



Questo manuale d'istruzione è fornito da [trovaprezzi.it](http://trovaprezzi.it). Scopri tutte le offerte per [Flex BSE 14-3 100](#) o cerca il tuo prodotto tra le [migliori offerte di Elettrodomestici](#)



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# FLEX

Das Original



Power Tools 2016/2017





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# Product features

The key features of our products are identified by the following symbols.



**L-BOXX**  
FLEX transport and organisation system.



**Tool-free tool change**  
Easy tool change without the need for additional tools.



**Restart protection**  
Restart protection after power interruption.



**Carrying case**  
Rugged metal or plastic case.



**Guard adjustment**  
Tool-free guard adjustment from both sides.



**Dust extraction**  
Extractor connection



**Carrying bag**  
Sturdy, cushioned, robust and light transport bag.



**Patented guard adjustment**  
Patented tool-free guard adjustment from both sides (Patent No. DE10115635C1).



**Antistatic equipment**  
Discharge function prevents static charging.



**Saw blade pendulum action**  
Pendulum action selectable. Useful for fast sawing in wood.



**Spindle lock**  
Push-button spindle-lock facilitates fast, easy disc change.



**Suction hose**  
Suction hose length.



**Lithium-ion technology**  
No self-discharge, no memory effect.



**FixTec quick-lock nut**  
Tool-free disc change.



**Automatic main filter cleaning**  
Time-controlled filter cleaning. Enables constantly high suction power.



**Mains cable**  
Cable length



**Bail handle**  
Additional bail handle for a more comfortable grip.



**Manual main filter cleaning**  
Manual filter cleaning. Enables constantly high suction power.



**Mains cable**  
Mains cable PUR



**Side handgrip**  
Hand grip optionally on left or right side.



**Container volume**  
Max. gross filling volume.



**Mains cable**  
Mains cable with flex red plug.



**SoftVib hand grip**  
Vibration cushioning hand grip, preventing strain on the wrists.



**Dust class**  
Classification for dust-removing machines.



**VE electronic control**  
Continuous speed selection and overload protection.



**Hook and loop fasteners**  
Quick grip for attaching abrasives – without adhesives or clamping.



**Max. power consumption**  
ECO – economic, highly efficient fan motor.



**FR electronic control**  
Tachogenerator-controlled constant speed, soft-start, overload protection.



**Central water feed**  
For wet-grinding granite and marble.



**Dry suction function**  
Sucking up non-flammable and non-explosive dust/dirt.



**FV electronic control**  
Constant speed, soft-start and overload protection.



**Quick-fit coupling**  
Quick-fit brass coupling: for 1/2" water hose



**Wet suction function**  
Sucking up non-flammable and non-toxic liquids.



**VV electronic control**  
Constant speed, soft-start with continuous speed selection trigger and overload protection.



**GFCI operator protector circuit breaker**  
Integrated GFCI circuit breaker protection circuit breaker with normal Schuko plug for 230 V sockets.



**Connected load**  
Socket from 100 Watt to ... for connecting power tools.



**VR electronic control**  
Tachogenerator-controlled constant speed, soft-start, overload protection, speed selection with optimized low-speed range.

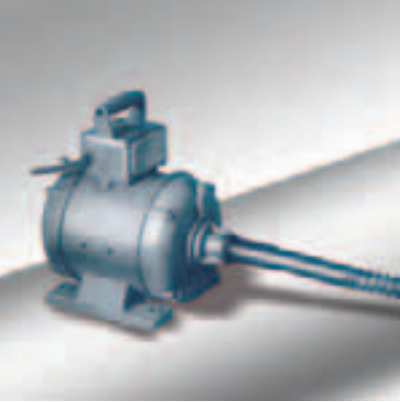


**Control electronics with soft start**  
Reduced start-up current when the vacuum starts.



# Electric power tools for professionals

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## Innovation comes from tradition.

For over 90 years, everyone has heard of it. Many use it every day. But very few people know that “flexen”, a common German verb, actually refers back to an invention developed by FLEX, formerly known as Ackermann + Schmitt.



### Where does “flexing” actually come from?

In 1922, Hermann Ackermann and Hermann Schmitt started a company in Stuttgart-Bad Cannstatt to produce and sell their new invention: the MS 6 hand-held grinding machine, featuring an electrical motor that drove a flexible shaft. This feature was the inspiration for this brand-new tool’s name: FLEX. And this is the origin of today’s brand name and a verb that has become an integral part of everyday German vocabulary: “flexen”.



In 1996, Ackermann + Schmitt renamed itself FLEX. In 2006, “flexen” was officially added to the Duden spelling dictionary.

### From the shaft to today’s angle grinder.

In the late 1920s, the engineers succeeded in replacing the flexible shaft with an angle gear set. This was the world’s first angle grinder, also sold under the brand name FLEX. FLEX started becoming established as a new word.



In 1935, Ackermann + Schmitt launched a low-speed angle grinder. In 1954, it unveiled the first high-speed angle grinder: the DL 9. By now, FLEX was synonymous with angle grinder, while the verb “flexen” completely replaced the less snappy verb “trennschleifen” (“abrasive cutting”) in colloquial German.

The FLEX still uses the same basic approach, but the tool itself continues to evolve and improve. High-tech plastics replaced cast iron, making the tools considerably lighter. Motor power has increased, but motors have grown smaller and smaller. The motor and gears have become better protected against grinding and cutting dust; the tools are now more durable, quieter and more ergonomic.



The basic idea of the angle grinder has proved to be so efficient and successful that it is incorporated into other machines and will continue to drive new innovations.

# Professional tools for professionals.



You need quality tools to do quality work. But what are quality tools?  
How do I recognise real quality?

## For FLEX it's the craftsman who sets the standard.

That is why FLEX visit those sites where tools are used when we develop new machines. On construction sites, in the shops and factories. And that's precisely where we determine the specifications that every FLEX must fulfil.

This primarily includes the long life of the power tools and machines, their power and functionality and their design, ergonomics and safety. All this is made possible by the advanced technology that frequently provides new solutions to problems, revolutionizing the work procedures of entire industries. Our approach is justified by each of the millions of craftsmen who perform outstanding work using their FLEX every day.

## The original "Made in Germany".

The heart beating in any original FLEX is created from the outset in our motor manufacturing plant in Steinheim. This is where a wide range of electric motors are produced, perfectly matched to customer needs. From the fully automated winding of magnetic fields through our state-of-the-art powder-coating line to the precision lathe.

The use of the latest manufacturing systems in motor production, steel and aluminium machining and the continuous quality controls in all other stages of production ensure the high quality standards.

The state-of-the-art processing machines guarantee a high degree of flexibility in manufacture and enable us to respond rapidly to customer wishes. Quality and functional checks during the entire manufacturing process are standard policy in the company.

In the FLEX Research and Development Department, all new developments and existing products are tested on test stands and in continuous use to ensure they meet our quality and functional requirements.

Ongoing staff training is a fundamental requirement for us, to ensure that FLEX remains able to apply the latest manufacturing technologies in the future.







# Tools for metal surface finishing.

The FLEX tools and their accessories are specially tailored to the diverse requirements of metal finishers. This includes the longevity of the machines just as much as their capacity, functionality, handiness and safety. And, of course, not forgetting the innovative technology. After all nothing is that good that precludes any further improvements.

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## Intelligence meets durability.

1

Angle grinders/straight grinders

### AUTOMATIC DRIVE CONTROL

#### Microprocessor electronics for constant speed control

- Four-fold microprocessor electronics: with consistent speed control, soft start, starter lock, and overload protection
- Five-fold microprocessor electronics: with consistent speed control, soft start, starter lock, overload protection, and temperature monitoring
- Six-fold microprocessor electronics: with consistent speed control, soft start, starter lock, overload protection, temperature monitoring, and speed selection set by an adjustment wheel
- Seven-fold microprocessor electronics: with constant speed control, accelerator switch, starter lock, overload protection, temperature monitoring and speed selection by adjustment wheel

### HIGH EFFICIENCY MOTOR

#### What is transferred to the disc is critical

- Outstanding output: thanks to complexly machined high-performance armature
- High operating efficiency: great energy with cost-efficient operation
- Best endurance run characteristics: due to high manufacturing precision

### HIGH PRECISION GEAR

#### Precision transmission for low-vibration operation

- High-precision toothing and robust materials ensure a long service life and both low-noise and low-vibration operation

### HIGH BALANCING SYSTEM

#### Created for precise, low-fatigue work

- Optimal centre of gravity: precisely in the middle of the machine; precisely balanced
- Sleek motor housing with ergonomic, waisted grip depression
- Structured surface\*: no slipping, for a secure grip

*\*on G versions with super-slender special rear grip*



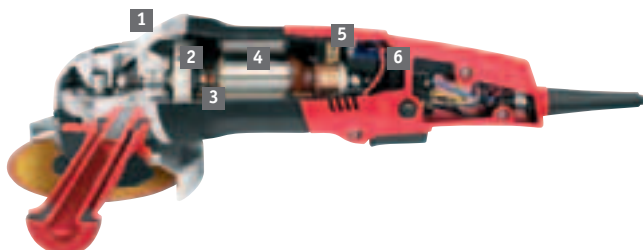
**1 Gearbox housing made of die-cast aluminium**  
Light, slender, robust.

**2 Spindle lock**  
Double safety because of recessed design.

**3 FLEX SoftVib – the handle**  
The vibration damping construction of the elastic body of the SoftVib handle reduces vibration levels noticeably. With built-in holding wrench – for exchanging the discs without additional tools.

**4 Patented safety disc guard**  
Adjustable without tools, impossible to lose, with rotation lock.

**5 Perfection to the very last detail**  
Highly flexible cable strain reliever prevents cable breakage. 4-metre power cable with FLEX red plug.



**1 Air vents to front**  
Protects user and motor from abrasive swarf.

**2 Large ventilator**  
Optimised in wind tunnel tests for maximum cooling.

**3 Winding protecting cage**  
Rotating ribs prevent abrasive dust from damaging the windings of the armature and provide for additional cooling. This extends the service life of the motor considerably.

**4 High-performance armature**  
Sustained power and endurance, heat-resistance. Winding protected from aggressive swarf by a winding protecting cage.

**5 Quality auto-stop carbon brushes**  
Protects the motor from damage.

**6 Microprocessor electronics**  
Greater performance, safer, more convenience.



## User friendly to the smallest detail.



### Prepared for extreme conditions

Angle grinders are optimally protected from rough and conductive swarf by a powder coating on the magnetic fields.



### FixTec quick-lock nut

For a quick, tool-free disc change: simply open the clamp, press the spindle lock, unscrew the FixTec nut anticlockwise and change the disc.



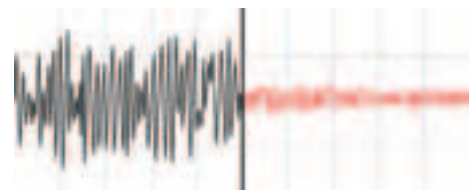
### Reduced Vibration

An additional vibration damping ring between the motor housing and rear handle reduces the vibrations. Angle grinder L 21-6 230.



### SoftVib hand grip

The vibration damping construction of the elastic body of the SoftVib handle reduces vibration levels when compared to standard handle by up to 60%. The hand and arm joints of the user are subjected to less stress.



Without vibration dampening

With FLEX SoftVib handle



### Integral pin wrench

With a patented integral pin wrench (Patent No. DE10117835A1) for tool less disc changing.

## Always the right choice. The original.

The most recent examples from FLEX development show that even today we set the standards for angle grinders. Using state-of-the-art technology, maximum user friendliness, and innovative product features: microprocessor electronics, extensive protec-

| Material                                                                            |                                                        | Applications                            |  L 8-11 115 |  L 8-11 125 |  L 10-10 125 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                                                                                     |                                                        | Disc Ø mm                               | 115                                                                                           | 125                                                                                            | 125                                                                                             |
|                                                                                     |                                                        | Power in watts                          | 750                                                                                           | 800                                                                                            | 1010                                                                                            |
|                                                                                     |                                                        | rpm                                     | 11500                                                                                         | 11500                                                                                          | 10000                                                                                           |
|                                                                                     |                                                        | Adjustable                              |                                                                                               |                                                                                                |                                                                                                 |
|   | Steel black, galvanized, non-tempered                  | Rough grinding discs                    |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Cutting discs*                          |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding discs                  |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding velcro discs           |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Cup-type disc brushes**                 |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Paint-stripping and cleaning discs**    |                                                                                               |                                                                                                |                                                                                                 |
|  | Corrosion-proof steel                                  | Rough grinding discs                    |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Cutting discs*                          |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding                        |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding velcro discs           |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Cup-type disc brushes**                 |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Paint-stripping and cleaning discs**    |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Polishing discs, polishing fleeces etc. |                                                                                               |                                                                                                |                                                                                                 |
|  | Cast steel                                             | Cutting discs*                          |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding discs                  |                                                                                               |                                                                                                |                                                                                                 |
|  | Non-ferrous metals, synthetic materials                | Cutting discs*                          |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding discs                  |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding velcro discs           |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Paint-stripping and cleaning discs**    |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Polishing discs, polishing fleeces etc. |                                                                                               |                                                                                                |                                                                                                 |
|  | Concrete, artificial/natural stone and sandstone, clay | Diamond cutting discs                   |                                                                                               |                                                                                                |                                                                                                 |
|                                                                                     |                                                        | Surface grinding discs/stone            |                                                                                               |                                                                                                |                                                                                                 |

### Note:

\*For cutting a diamond wheel is needed or a special cutting guard is required for cutting with resin-bonded wheels.

\*\*Max. rev./min. as stated by brush manufacturer, pay attention to heat build-up in the case of INOX.

tion against abrasive dust, unique comfort details such as the SoftVib handle, which reduces vibration levels by up to 60%. And much, much more. With these, FLEX offers a sophisticated and innovative angle grinder range to suit all needs.

[illegible]

■ suitable  
■ suitable to a certain degree  
■ not recommendable

## Angle grinders/straight grinders

L 8-11 115

L 8-11 125



**NEW**

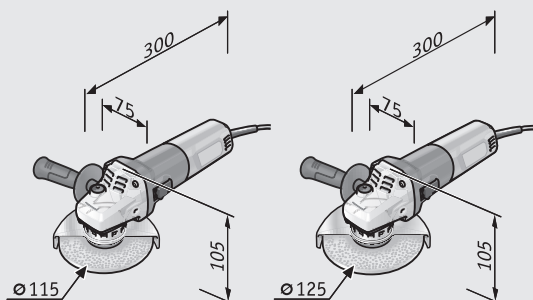
### SPECIFICATIONS

|                               |           |
|-------------------------------|-----------|
| Max. disc diameter L 8-11 115 | 115 mm    |
| Max. disc diameter L 8-11 125 | 125 mm    |
| No load speed                 | 11500 rpm |
| Power input                   | 800 watt  |
| Power output                  | 450 watt  |
| Tool fixture                  | M 14      |
| Cable length                  | 4,0 m     |
| Weight                        | 2,0 kg    |



### 800 watt angle grinder, 115 mm

- Highly efficient and resilient motor for more power output
- Restart protection after power interruption
- Extensive dust protection for motor and gears
- Extremely light and handy
- Compact, narrow and ergonomic shape
- Tool-free adjustment of safety guard
- Lockable slide switch
- Spindle lock
- Side handgrip



| Standard equipment     | Order no.      |
|------------------------|----------------|
| <b>L 8-11 115</b>      | <b>436.275</b> |
| 1 guard grinding 115 Ø | 436.852        |
| 1 handle               | 437.921        |
| 1 clamping flange      | 335.282        |
| 1 clamping nut M14     | 100.080        |
| 1 pin wrench           | 100.110        |
| <b>L 8-11 125</b>      | <b>436.283</b> |
| 1 guard grinding 125 Ø | 436.860        |
| 1 handle               | 437.921        |
| 1 clamping flange      | 335.282        |
| 1 clamping nut M14     | 100.080        |
| 1 pin wrench           | 100.110        |





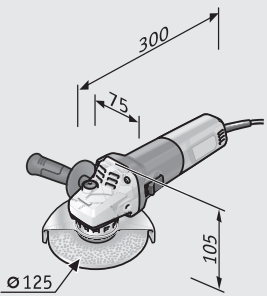
Universal 900 watt angle grinder, 125 mm

- Microprocessor electronics: with tachogenerator constant speed control, speed control, soft start, restart protection after power failure, overload protection
- Highly efficient and resilient motor for more power output
- Extensive dust protection for motor and gears
- Extremely light and handy
- Compact, narrow and ergonomic shape
- Kickback stop - this shuts down the motor on the disc being blocked
- Tool-free adjustment of safety guard
- Lockable slide switch
- Spindle lock
- This universal angle grinder is suited for steel/metal surface finishing, for work on the site/renovation as well as for vehicle bodywork and construction firms
- Side handgrip



SPECIFICATIONS

|                    |                |
|--------------------|----------------|
| Max. disc diameter | 125 mm         |
| No load speed      | 6000-11500 rpm |
| Power input        | 900 watt       |
| Power output       | 600 watt       |
| Tool fixture       | M 14           |
| Cable length       | 4,0 m          |
| Weight             | 2,0 kg         |



| Standard equipment          | Order no.      |
|-----------------------------|----------------|
| <b>LE 9-11 125</b>          | <b>436.291</b> |
| 1 guard grinding 125 Ø      | 436.860        |
| 1 handle                    | 437.921        |
| 1 clamping flange           | 335.282        |
| 1 clamping nut M14          | 100.080        |
| 1 pin wrench                | 100.110        |
| <b>LE 9-11 125 L-BOXX</b>   | <b>436.739</b> |
| 1 guard grinding 125 Ø      | 436.860        |
| 1 handle                    | 437.921        |
| 1 clamping flange           | 335.282        |
| 1 clamping nut M14          | 100.080        |
| 1 pin wrench                | 100.110        |
| 1 carrying case L-BOXX® 136 | 414.085        |
| 1 case insert               | 414.204        |

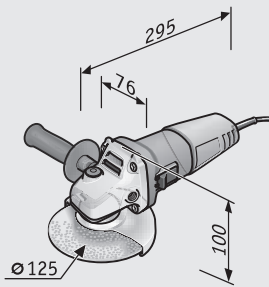
# Angle grinders/straight grinders

L 10-10 125



## SPECIFICATIONS

|                    |                   |
|--------------------|-------------------|
| Max. disc diameter | 125 mm            |
| No load speed      | 10000 rpm         |
| Power input        | 1010 watt         |
| Power output       | 600 watt          |
| Tool fixture       | M 14              |
| Clamping collar Ø  | 40,3 mm           |
| Size ( W x L x H ) | 290 x 80 x 110 mm |
| Cable length       | 4,0 m             |
| Weight             | 2,2 kg            |



## 1010 watt angle grinder, 125 mm

- 3-fold winding protection from dust. Reduces motor wear, increases service life. Protective guard on the winding end of the armature and plated winding on the armature.
- Restart protection after power interruption
- Epoxy-coated winding on the field coil
- Tool-free adjustment of safety guard
- Compact, ergonomic design – snug fit in the hand
- Side handgrip
- Spindle lock

| Standard equipment     | Order no.      |
|------------------------|----------------|
| <b>L 10-10 125</b>     | <b>437.980</b> |
| 1 guard grinding 125 Ø | 413.054        |
| 1 handle               | 335.274        |
| 1 pin wrench           | 100.110        |
| 1 clamping flange      | 335.282        |
| 1 clamping nut M14     | 100.080        |

Accessories from page 25

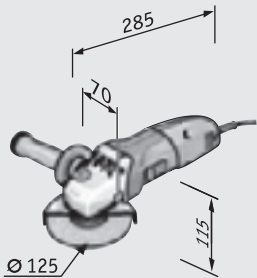


1010 watt angle grinder, 125 mm

- FR microprocessor control: tachogenerator constant speed control, soft start, restart protection after power failure, overload protection, temperature monitoring
- Highly efficient and resilient motor for more power output
- Lightweight, ergonomic design
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock



| SPECIFICATIONS     |           |
|--------------------|-----------|
| Max. disc diameter | 125 mm    |
| No load speed      | 11000 rpm |
| Power input        | 1010 watt |
| Power output       | 610 watt  |
| Tool fixture       | M 14      |
| Cable length       | 4,0 m     |
| Weight             | 1,9 kg    |



| Standard equipment            | Order no. |
|-------------------------------|-----------|
| L 3309 FR                     | 406.538   |
| 1 guard grinding 125 Ø        | 394.394   |
| 1 SoftVib handle              | 316.857   |
| 1 clamping flange             | 191.612   |
| 1 FixTec quick-clamp nut M 14 | 313.459   |

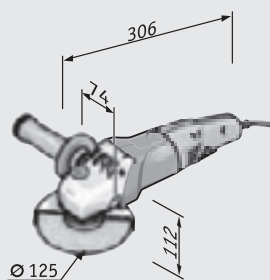
## Angle grinders/straight grinders

L 3309 FRG



### SPECIFICATIONS

|                    |           |
|--------------------|-----------|
| Max. disc diameter | 125 mm    |
| No load speed      | 11000 rpm |
| Power input        | 1010 watt |
| Power output       | 610 watt  |
| Tool fixture       | M 14      |
| Cable length       | 4,0 m     |
| Weight             | 1,9 kg    |



### Super-slim 1010 watt angle grinder, 125 mm

- FR microprocessor control: tachogenerator constant speed control, soft start, restart protection after power failure, overload protection, temperature monitoring
- Highly efficient and resilient motor for more power output
- Lightweight, ergonomic design
- Slender back stick handle: with dust-protected on/off switch located underneath, safety catch and lock
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock

| Standard equipment            | Order no.      |
|-------------------------------|----------------|
| <b>L 3309 FRG</b>             | <b>406.570</b> |
| 1 guard grinding 125 Ø        | 394.394        |
| 1 SoftVib handle              | 316.857        |
| 1 clamping flange             | 191.612        |
| 1 FixTec quick-clamp nut M 14 | 313.459        |

Accessories from page 25



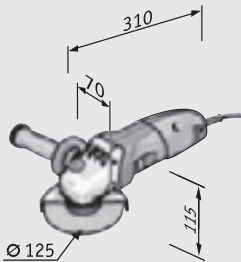


1400 watt angle grinder with superior torque, 125 mm

- FR microprocessor control: tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Highly efficient and resilient motor for more power output
- Lightweight, ergonomic design
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock



| SPECIFICATIONS     |           |
|--------------------|-----------|
| Max. disc diameter | 125 mm    |
| No load speed      | 11000 rpm |
| Power input        | 1400 watt |
| Power output       | 880 watt  |
| Tool fixture       | M 14      |
| Cable length       | 4,0 m     |
| Weight             | 2,2 kg    |



| Standard equipment            | Order no. |
|-------------------------------|-----------|
| L 3410 FR                     | 406.511   |
| 1 guard grinding 125 Ø        | 394.394   |
| 1 SoftVib handle              | 316.857   |
| 1 clamping flange             | 191.604   |
| 1 FixTec quick-clamp nut M 14 | 313.459   |

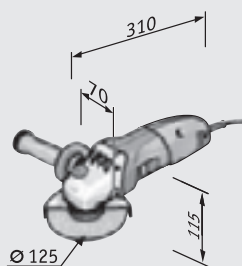
## Angle grinders/straight grinders

L 3410 VR



### SPECIFICATIONS

|                    |                |
|--------------------|----------------|
| Max. disc diameter | 125 mm         |
| No load speed      | 2900-11000 rpm |
| Power input        | 1400 watt      |
| Power output       | 880 watt       |
| Tool fixture       | M 14           |
| Cable length       | 4,0 m          |
| Weight             | 2,2 kg         |



### Variable-speed 1400 watt angle grinder, 125 mm

- VR microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Highly efficient and resilient motor for more power output
- Lightweight, ergonomic design - snug fit in the hand
- Universal machine with infinitely adjustable speed for sanding, grinding, roughing, cutting, deburring, plaster removal or de-rusting
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock

### Standard equipment

### Order no.

|                               |                |
|-------------------------------|----------------|
| <b>L 3410 VR</b>              | <b>406.481</b> |
| 1 guard grinding 125 Ø        | 394.394        |
| 1 SoftVib handle              | 316.857        |
| 1 clamping flange             | 191.604        |
| 1 FixTec quick-clamp nut M 14 | 313.459        |

Accessories from page 25

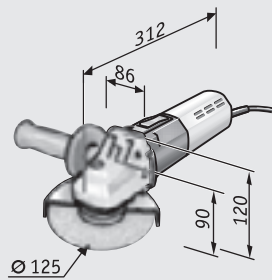


**1400 watt angle grinder with the extra-slim gear head, 125 mm**

- FR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection
- Highly efficient and resilient motor for more power output
- Restart protection after power interruption
- Lightweight design with slimline gear head, ideally suited for use in inaccessible places
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock



| SPECIFICATIONS     |           |
|--------------------|-----------|
| Max. disc diameter | 125 mm    |
| No load speed      | 10000 rpm |
| Power input        | 1400 watt |
| Power output       | 880 watt  |
| Tool fixture       | M 14      |
| Cable length       | 4,0 m     |
| Weight             | 2,4 kg    |



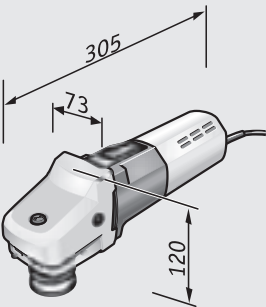
| Standard equipment     | Order no.      |
|------------------------|----------------|
| <b>L 1710 FRA</b>      | <b>437.964</b> |
| 1 guard grinding 125 Ø | 394.394        |
| 1 SoftVib handle       | 316.857        |
| 1 clamping flange      | 191.604        |
| 1 clamping nut M14     | 100.080        |

# Angle grinders/straight grinders L 1506 VR



## SPECIFICATIONS

|                                |               |
|--------------------------------|---------------|
| Max. disc diameter             | 125 mm        |
| No load speed                  | 2200-6800 rpm |
| Power input                    | 1200 watt     |
| Power output                   | 700 watt      |
| Tool fixture                   | M 14          |
| Cable length                   | 4,0 m         |
| Weight (without guard, handle) | 1,9 kg        |



## 1200 watt angle grinder, 125 mm

- VR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection and speed selection
- Highly efficient and resilient motor for more power output
- Restart protection after power interruption
- Tool-free adjustment of safety guard
- Spindle lock
- This machine is also available in 110 V

| Standard equipment     | Order no.      |
|------------------------|----------------|
| <b>L 1506 VR</b>       | <b>437.972</b> |
| 1 side handle          | 194.034        |
| 1 guard grinding 125 Ø | 394.394        |
| 1 pin wrench           | 100.110        |
| 1 clamping nut M14     | 100.080        |
| 1 clamping flange      | 191.612        |
| 1 velcro pad 115 Ø     | 208.817        |

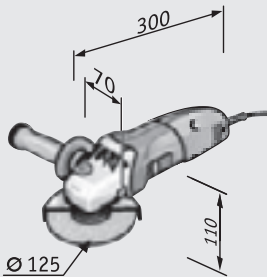


**1400 watt INOXFLEX, specialist for stainless steels and steel alloys, 125 mm**

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Highly efficient and resilient motor for more power output
- Special gearbox: special gear ratio for high torque in medium and low speed range. Prevents blue discolouration and distortion caused by development of heat.
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock
- Single-pole switch



| SPECIFICATIONS              |               |
|-----------------------------|---------------|
| Max. disc diameter          | 125 mm        |
| Max. polishing pad diameter | 160 mm        |
| No load speed               | 2100-7500 rpm |
| Power input                 | 1400 watt     |
| Power output                | 880 watt      |
| Tool fixture                | M 14          |
| Cable length                | 4,0 m         |
| Weight                      | 2,4 kg        |



| Standard equipment            | Order no. |
|-------------------------------|-----------|
| LE 14-7 125 INOX              | 406.546   |
| 1 guard grinding 125 Ø        | 394.394   |
| 1 SoftVib handle              | 316.857   |
| 1 clamping flange             | 191.612   |
| 1 FixTec quick-clamp nut M 14 | 313.459   |



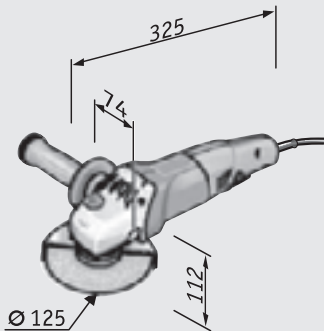
# Angle grinders/straight grinders

L 3406 VRG



## SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. disc diameter          | 125 mm        |
| Max. polishing pad diameter | 160 mm        |
| No load speed               | 2100-7500 rpm |
| Power input                 | 1400 watt     |
| Power output                | 880 watt      |
| Tool fixture                | M 14          |
| Cable length                | 4,0 m         |
| Weight                      | 2,2 kg        |



## Variable-speed 1400 watt angle grinder, 125 mm

- VR microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Highly efficient and resilient motor for more power output
- Switch: with lock-off/lock-on switch
- Lightweight, ergonomic design with slim grip
- Universal machine with infinitely adjustable speed for sanding, grinding and polishing. For paint we recommend using the PE 14-3 125
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock
- This machine is also available in 110 V

| Standard equipment            | Order no.      |
|-------------------------------|----------------|
| <b>L 3406 VRG</b>             | <b>406.503</b> |
| 1 guard grinding 125 Ø        | 394.394        |
| 1 SoftVib handle              | 316.857        |
| 1 clamping flange             | 191.612        |
| 1 FixTec quick-clamp nut M 14 | 313.459        |

Accessories from page 25

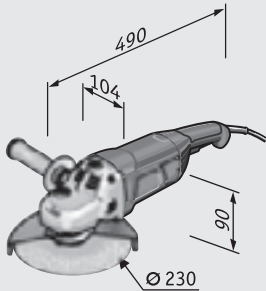


2100 watt angle grinder, 230 mm

- Robust motor housing and gearbox housing. Stable and robust steel gearbox as well as a spindle bearing protected by a metal cap also increase reliability and durability
- Ergonomically designed and very slender motor housing provides optimum guidance and handling. An additional vibration damping ring between the motor housing and rear handle reduces the vibrations
- SoftVib handgrip for reduced vibration can be mounted in three positions.
- Rear shaft handle with soft padding for secure grip
- Switch: with lock-off/lock-on switch
- Restart protection after power interruption
- Soft-start: for a soft start without power overloading
- Spindle lock
- Tool-free adjustment of safety guard
- Cutting guard, optional accessory (order no. 389.625)



| SPECIFICATIONS     |           |
|--------------------|-----------|
| Max. disc diameter | 230 mm    |
| No load speed      | 6500 rpm  |
| Power input        | 2100 watt |
| Power output       | 1250 watt |
| Tool fixture       | M 14      |
| Clamping collar Ø  | 64 mm     |
| Cable length       | 4,0 m     |
| Weight             | 4,9 kg    |



| Standard equipment     | Order no. |
|------------------------|-----------|
| L 21-6 230             | 391.514   |
| 1 guard grinding 230 Ø | 338.729   |
| 1 SoftVib handle       | 325.384   |
| 1 pin wrench BL 5      | 100.110   |
| 1 clamping flange      | 338.753   |
| 1 clamping nut M14     | 100.080   |

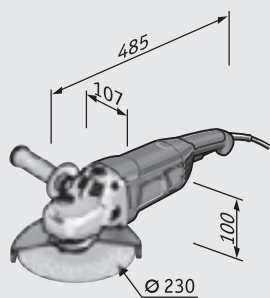
## Angle grinders/straight grinders

L 24-6 230



### SPECIFICATIONS

|                    |           |
|--------------------|-----------|
| Max. disc diameter | 230 mm    |
| No load speed      | 6500 rpm  |
| Power input        | 2400 watt |
| Power output       | 1450 watt |
| Tool fixture       | M 14      |
| Clamping collar Ø  | 64 mm     |
| Cable length       | 4,0 m     |
| Weight             | 5,8 kg    |



### 2400 watt angle grinder, 230 mm

- Robust motor housing and gearbox housing. Stable and robust steel gearbox as well as a spindle bearing protected by a metal cap also increase reliability and durability
- Ergonomically designed, very slender motor housing for optimum control and handling
- SoftVib handgrip for reduced vibration can be mounted in three positions.
- Rear shaft handle with soft padding for secure grip
- Switch: with lock-off/lock-on switch
- Restart protection after power interruption
- Soft-start: for a soft start without power overloading
- Spindle lock
- Tool-free adjustment of safety guard
- Cutting guard, optional accessory (order no. 389.625)

### Standard equipment

### Order no.

|                               |                |
|-------------------------------|----------------|
| <b>L 24-6 230</b>             | <b>391.522</b> |
| 1 guard grinding 230 Ø        | 338.729        |
| 1 SoftVib handle              | 325.384        |
| 1 pin wrench BL 5             | 100.110        |
| 1 clamping flange             | 338.753        |
| 1 clamping nut M14            | 100.080        |
| 1 hexagon socket wrench, SW 6 | 104.167        |

Accessories from page 25

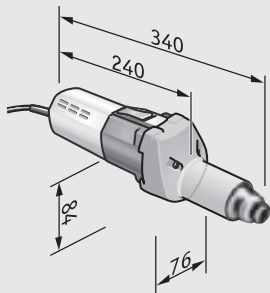


710 watt low-speed straight grinder

- VE electronic control: variable speed and overload protection
- Clamping collar: 40 mm diameter
- Machine length: approx. 330 mm
- Collar length: approx. 53 mm, for optimum handling and reaching into hard-to-access areas
- Suitable for fine grinding in mould construction, with pencil grinders and abrasive flap wheels up to max. 25 m/sec.
- This machine is also available in 110 V



| SPECIFICATIONS                            |                  |
|-------------------------------------------|------------------|
| Max. disc diameter resin/ceramic up to    | 30 mm            |
| Max. disc diameter fiber reinforced up to | 50 mm            |
| Tool fixture                              | Ø 3, 6, 8 mm, ¼" |
| No load speed                             | 2500-6500 rpm    |
| Power input                               | 710 watt         |
| Power output                              | 420 watt         |
| Cable length                              | 4,0 m            |
| Weight                                    | 2,1 kg           |



| Standard equipment                | Order no. |
|-----------------------------------|-----------|
| H 1105 VE                         | 269.956   |
| 1 collet 6 mm Ø with clamping nut | 228.656   |
| 1 stopping claw SW 14             | 254.917   |
| 1 open-ended wrench SW 19         | 104.914   |

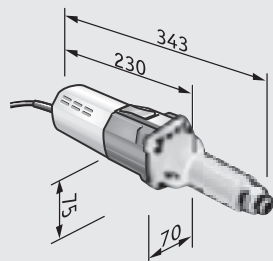
## Angle grinders/straight grinders

H 1127 VE



### SPECIFICATIONS

|                                           |                    |
|-------------------------------------------|--------------------|
| Max. disc diameter resin/ceramic up to    | 30 mm              |
| Max. disc diameter fiber reinforced up to | 50 mm              |
| Tool fixture                              | Ø 3, 6, 8 mm, 1/4" |
| No load speed                             | 10000-30000 rpm    |
| Power input                               | 710 watt           |
| Power output                              | 420 watt           |
| Cable length                              | 4,0 m              |
| Weight                                    | 1,8 kg             |



### 710 watt variable high-speed straight grinder

- VE electronic control: variable speed and overload protection
- Collar: 40 mm diameter, approx. 60 mm long
- Machine length: approx. 325 mm
- Long-necked design for optimum handling and reaching into hard-to-access areas
- Lightweight design for fatigue-free work
- This machine is also available in 110 V

### Standard equipment

### Order no.

|                                   |                |
|-----------------------------------|----------------|
| <b>H 1127 VE</b>                  | <b>270.067</b> |
| 1 collet 6 mm Ø with clamping nut | 228.656        |
| 1 stopping claw SW 14             | 254.917        |
| 1 open-ended wrench SW 19         | 104.914        |

Accessories from page 26



## Guards for FLEX angle grinders.



**Sanding guard**



**Cutting guard**

*Required when using  
resin-bonded wheels*

| Suitable for     | Ø 115   | Ø 125   | Ø 230    | Ø 125   | Ø 230     |
|------------------|---------|---------|----------|---------|-----------|
| L 8-11 115       | 436.852 | –       | –        | –       | –         |
| L 8-11 125       | –       | 436.860 | –        | 437.069 | –         |
| LE 9-11 125      | –       | 436.860 | –        | 437.069 | –         |
| L 10-10 125      | –       | 413.054 | –        | 385.409 | –         |
| LE 14-7 125 INOX | –       | 394.394 | –        | 409.774 | –         |
| L 1506 VR        | –       | 394.394 | –        | –       | –         |
| L 1710 FRA       | –       | 394.394 | –        | 409.774 | –         |
| L 3406 VRG       | –       | 394.394 | –        | –       | –         |
| L 3309 FR        | –       | 394.394 | –        | 409.774 | –         |
| L 3309 FRG       | –       | 394.394 | –        | 409.774 | –         |
| L 3410 FR        | –       | 394.394 | –        | 409.774 | –         |
| L 3410 VR        | –       | 394.394 | –        | 409.774 | –         |
| L 21-6 230       | –       | –       | 338.729* | –       | 389.625** |
| L 24-6 230       | –       | –       | 338.729* | –       | 389.625** |

\* Sanding guard with clamp

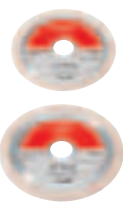
\*\* Cutting guard with clamp

# Angle grinders/straight grinders

## Accessories

1

Angle grinders/straight grinders

| Type                                                                                | Description                                                                                                                                                                                                                                                                                                                                    | Dimensions<br>in mm | Grit   | QP | Order no. | L 8-11 115 | L 8-/LE 9-11 125 | L 10-10 125 | LE 14-7 125 INOX | L 3309 FR/FRG | L 1506 VR | L 3410 FR | L 3410 VR | L 1710 FRA | L 3406 VRG | L 21-/L 24-6 230 | H 1105 VE | H 1127 VE |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------|----|-----------|------------|------------------|-------------|------------------|---------------|-----------|-----------|-----------|------------|------------|------------------|-----------|-----------|
|    | with clamping nut                                                                                                                                                                                                                                                                                                                              | 3 Ø                 |        | 1  | 229.741   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | ■         | ■         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | ¼" Ø                |        | 1  | 229.776   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | ■         | ■         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | 6 Ø                 |        | 1  | 228.656   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | ■         | ■         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | 8 Ø                 |        | 1  | 229.768   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | ■         | ■         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|    | Fast, long-life universal cutting disc, suitable for concrete and stone                                                                                                                                                                                                                                                                        | 125 Ø x 22,2        |        | 1  | 349.046   | -          | ■                | ■           | ■                | ■             | -         | ■         | ■         | ■          | ■          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | 230 Ø x 22,2        |        | 1  | 349.054   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | ■                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|  | Fast, long-life tile cutting disc with closed diamond segment. Suitable for cutting all tiles, marble, slate, granite and natural stone. Precision cutting and low-noise                                                                                                                                                                       | 115 Ø x 22,2        |        | 1  | 349.011   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | 125 Ø x 22,2        |        | 1  | 349.038   | -          | ■                | ■           | ■                | ■             | -         | ■         | ■         | ■          | ■          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|  | Ideal for flap-grinding metals, stainless steel, alloyed and non-alloyed steel, light metals, non ferrous metals, construction steel, to smooth welds and cast iron. Removing welding spots and beads, processing welding seams, breaking and rounding edges. High material removal rate, guarantees effortless working without filling pores. | 125 Ø x 22,2        | P 60   | 10 | 349.925   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                | 125 Ø x 22,2        | P 80   | 10 | 349.933   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|  | Polishing flap wheel for sanding, cleaning and finishing on stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics. Remove any tarnish, flash rust, scale and scratches. Remove any tarnish, flash rust, scale and scratches. Preparing, grinding and polishing welds.                                         | 125 Ø x 22,2        | medium | 5  | 358.606   | -          | ■                | ■           | ■                | -             | ■         | -         | ■         | -          | ■          | -                | -         | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                |                     |        |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |           |           |

■ suitable  
- not suitable

| Type                                                                                                                                                                                                 | Description                                                                                                                                                                                                                                                                                                           | Designation        | Dimensions<br>in mm | Grit  | QP | Order no. | L 8-11 115 | L 8-/LE 9-11 125 | L 10-10 125 | LE 14-7 125 INOX | L 3309 FR/FRG | L 1506 VR | L 3410 FR | L 3410 VR | L 1710 FRA | L 3406 VRG | L 21-/L 24-6 230 |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|-------|----|-----------|------------|------------------|-------------|------------------|---------------|-----------|-----------|-----------|------------|------------|------------------|---|---|
| <br>Velcro backing M 14                                                                                             | Elastic backing pad with velcro cover.                                                                                                                                                                                                                                                                                |                    | 115 Ø               |       | 1  | 208.817   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | Velcro bowl        | 125 Ø               |       | 1  | 231.983   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
| <br><br>Velcro pad, cushioned M 14 | 12 mm cell rubber for even pressure distribution for grinding, polishing or sealing.                                                                                                                                                                                                                                  | BP-M D115 M14      | 115 Ø               |       | 1  | 240.311   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | BP-M D125 M14      | 125 Ø               |       | 1  | 350.737   | -          | ■                | -           | ■                | -             | ■         | -         | ■         | -          | ■          | -                | ■ | - |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
| <br>Velcro sanding paper PURFLEX                                                                                   | Ideally suited for working wood and metal.                                                                                                                                                                                                                                                                            | D115 PU-P24 VE25   | 115 Ø               | P 24  | 25 | 381.195   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P40 VE50   | 115 Ø               | P 40  | 50 | 381.209   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P60 VE50   | 115 Ø               | P 60  | 50 | 381.217   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P80 VE50   | 115 Ø               | P 80  | 50 | 381.225   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P100 VE50  | 115 Ø               | P 100 | 50 | 381.233   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P120 VE50  | 115 Ø               | P 120 | 50 | 381.241   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P150 VE50  | 115 Ø               | P 150 | 50 | 381.268   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D115 PU-P180 VE50  | 115 Ø               | P 180 | 50 | 381.276   | ■          | -                | -           | -                | -             | -         | -         | -         | -          | -          | -                | - |   |
| <br>Velcro sanding paper ZIRCOFLEX                                                                                | Ideally suited for high removal rates and high load on wood and metal substrates. The support fabric is extremely tear-resistant and is characterised by high cost-effectiveness. Can be used with velcro pad max. Ø 125 mm.                                                                                          | D125-8 ZI-A40 VE25 | 125 Ø               | A 40  | 25 | 393.185   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125-8 ZI-A60 VE25 | 125 Ø               | A 60  | 25 | 393.193   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125-8 ZI-A80 VE25 | 125 Ø               | A 80  | 25 | 393.207   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
| <br>Velcro sanding paper CERAFLEX                                                                                 | Ideal for sanding stainless steel surfaces and grinding weld seams. The support fabric is extremely tear-resistant. Low heat generation and longer service life ensure high cost-effectiveness. Can be used with velcro pad max. Ø 125 mm.                                                                            | D125 CE-K80 VE50   | 125 Ø               | K 80  | 50 | 393.215   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125 CE-K120 VE50  | 125 Ø               | K 120 | 50 | 393.223   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125 CE-K180 VE50  | 125 Ø               | K 180 | 50 | 393.231   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
| <br>Velcro sanding paper CORKFLEX                                                                                 | Ideal for deep cleaning the surface, the cork accessory provides a greater gloss and better haptics. Fine sanding tool with coarse structure and stable fabric base. Reduces heat generation on the surface and 3 times longer service life than comparable sanding tools. Can be used with velcro pad max. Ø 125 mm. | D125 CO-P280 VE15  | 125 Ø               | P 280 | 15 | 393.258   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125 CO-P400 VE15  | 125 Ø               | P 400 | 15 | 393.266   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       | D125 CO-P800 VE15  | 125 Ø               | P 800 | 15 | 393.274   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | ■                | - |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                       |                    |                     |       |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |   |   |

# Angle grinders/straight grinders

## Accessories

1

Angle grinders/straight grinders

| Type                                                                                                               | Description                                                                                                                                                                                                             | Designation   | Type | Dimensions<br>in mm | QP | Order no. | L 8-11 115 | L 8-/LE 9-11 125 | L 10-10 125 | LE 14-7 125 INOX | L 3309 FR/FRG | L 1506 VR | L 3410 FR | L 3410 VR | L 1710 FRA | L 3406 VRG | L 21-/L 24-6 230 |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------|---------------------|----|-----------|------------|------------------|-------------|------------------|---------------|-----------|-----------|-----------|------------|------------|------------------|
| Natural fibre felt pad<br>        | Ideally suited for polishing stainless steel, non-ferrous metals, wood surfaces, mineral-based materials, paints, glass, acrylic glass (in conjunction with the correct polishes/agents and oils for sealing and care). | FP D125 S VE5 | soft | 125 Ø               | 5  | 393.355   | -          | ■                | -           | ■                | -             | ■         | -         | ■         | -          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         | FP D125 H VE5 | hard | 125 Ø               | 5  | 393.347   | -          | ■                | -           | ■                | -             | ■         | -         | ■         | -          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| Steel wire 0,3 mm<br>             | Corrugated, mount M 14                                                                                                                                                                                                  |               |      | 60 Ø                | 1  | 124.516   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| Steel wire 0,5 mm<br>            | Knot-type, mount M 14                                                                                                                                                                                                   |               |      | 65 Ø                | 1  | 124.524   | -          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| FixTec quick clamp nut M 14<br> | For tool-less disc change, suitable for discs from Ø 115-150 mm.                                                                                                                                                        |               |      |                     | 1  | 313.459   | ■          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| SDS-Clic quick-clamp nut<br>    | For tool-less disc change suitable for discs from Ø 150-230 mm.                                                                                                                                                         |               |      |                     | 1  | 253.049   | -          | -                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| SoftVib side handle<br>         | SoftVib handle with integral, patented pin wrench (DE10117835A1) and vibration cushioning, significantly reducing the vibration transmitted to hands and arms.                                                          | GS-M M8 SV/S  | M 8  |                     | 1  | 316.857   | -          | -                | -           | ■                | ■             | ■         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| SoftVib side handle<br>         | SoftVib handle with vibration cushioning, significantly reducing the vibration transmitted to hands and arms and reducing the risk of vibration-related injury to the operator.                                         | GS-M M8 SV    | M 8  |                     | 1  | 325.376   | -          | -                | -           | ■                | ■             | -         | ■         | ■         | ■          | ■          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         | GS-M M14 SV   | M 14 |                     | 1  | 325.384   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | ■                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| Side handgrip<br>               | Handle for angle grinder, thread M10.                                                                                                                                                                                   | GS-K M10      | M 10 |                     | 1  | 335.274   | -          | -                | ■           | -                | -             | -         | -         | -         | -          | -          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                    | Handle for angle grinder, thread M8.                                                                                                                                                                                    | GS-K/II M8    | M 8  |                     | 1  | 437.921   | ■          | ■                | -           | -                | -             | -         | -         | -         | -          | -          | -                |
|                                                                                                                    |                                                                                                                                                                                                                         |               |      |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |

| Type                                                                                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designation | Dimensions<br>in mm | QP | Order no. | L 8-11 115 | L 8-/LE 9-11 125 | L 10-10 125 | LE 14-7 125 INOX | L 3309 FR/FRG | L 1506 VR | L 3410 FR | L 3410 VR | L 1710 FRA | L 3406 VRG | L 21-/L 24-6 230 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|----|-----------|------------|------------------|-------------|------------------|---------------|-----------|-----------|-----------|------------|------------|------------------|
| Plastic multi-carrying case<br> | Perfect fitting, impact resistant carrying case for L 3206 CD, L 3208 CD, L 21-6 230, L 24-6 230, LD 3206 C, SR 602 VV, SK 602 VV, LD 18-7 125/150 R, LD 24-6 180.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TK-S Multi  |                     | 1  | 329.908   | -          | -                | -           | -                | -             | -         | -         | -         | -          | -          | ■                |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| Carrying case L-BOXX®<br>       | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert, with additional front handle. | TK-L 136    |                     | 1  | 414.085   | ■          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | -          | -                |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
| Case insert                                                                                                      | Suitable insert for carrying case L-BOXX® 136. For all angle grinder in the actual range from 700 up to 1400 watt (except L 3406 VRG).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TKE 1 HD    |                     | 1  | 414.204   | ■          | ■                | ■           | ■                | ■             | ■         | ■         | ■         | ■          | -          | -                |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |
|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |                     |    |           |            |                  |             |                  |               |           |           |           |            |            |                  |

■ suitable  
- not suitable

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Whether on flat or curved surfaces, in angles or corners, the FLEX surface finishing programme is always the right choice for brilliant results.

For balustrade work, tank construction and all surface processing, we have the right machines. Our fillet weld grinder and our special finger grinder help you reach the most difficult to access areas, for perfect results every time. All power tools naturally feature speed control to ensure they always offer you optimum performance for your various applications.

With our special-purpose power tools, matching accessories and range of abrasives, we provide you with the ideal systems to achieve perfect results. The machines and accessories are also supplied as Professional-kits in a carry case, making things even easier.

With the TRINOXFLEX, FLEX has developed a unique machine for metal surface finishing. It enables both a pipe belt attachment and a burnishing attachment to be used with one drive. It goes without saying that the attachments can be changed comfortably and, most importantly, without having to use tools. This means that there's nothing standing in the way of that perfect finish.





## The specialists for stainless steel finishing.

| Machines                                                                                                                             | System                                                                              | Grinding surfaces | Polish surfaces | Grinding welds | Grinding fillet welds | Grinding fillet welds in difficult-to-access places | linear image      |                  |                 | Grinding pipes | Burnish pipes | Polish pipes | Grinding in difficult-to-access places | Polish in difficult-to-access places | Grinding linearly into the corners |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|-----------------|----------------|-----------------------|-----------------------------------------------------|-------------------|------------------|-----------------|----------------|---------------|--------------|----------------------------------------|--------------------------------------|------------------------------------|
|                                                                                                                                      |                                                                                     |                   |                 |                |                       |                                                     | Grinding surfaces | Burnish surfaces | Polish surfaces |                |               |              |                                        |                                      |                                    |
|  INOXFLEX<br>LE 14-7 125 INOX                     |  | ••                | ••              | ••             | •                     |                                                     |                   |                  |                 |                |               |              |                                        |                                      |                                    |
|  Fillet weld grinder<br>LLK 1503 VR               |  |                   |                 |                | ••                    | ••                                                  |                   |                  |                 |                |               |              |                                        |                                      |                                    |
|  TRINOXFLEX<br>Burnishing machine<br>BSE 14-3 100 |  |                   |                 |                |                       |                                                     | ••                | ••               | ••              | •              | •             | •            |                                        |                                      |                                    |
|  Pipe belt sander<br>BRE 14-3 125                 |  |                   |                 | ••             |                       |                                                     |                   |                  |                 | ••             | ••            | ••           |                                        |                                      |                                    |
|  Weld and pipe belt<br>sander<br>LBR 1506 VRA     |  | •                 |                 | ••             |                       |                                                     |                   |                  |                 | ••             | ••            | ••           |                                        |                                      |                                    |
|  Belt file<br>FBE 8-140                           |  |                   |                 |                |                       |                                                     |                   |                  |                 |                |               |              | ••                                     | ••                                   |                                    |
|  Finger sander<br>ST 1005 VE                      |  |                   |                 |                |                       |                                                     |                   |                  |                 |                |               |              |                                        |                                      | ••                                 |
|  SUPRAFLEX<br>SE 14-2 125/150<br>(Page 132)       |  | ••                | ••              | ••             |                       |                                                     |                   |                  |                 |                |               |              |                                        |                                      |                                    |

- highly suitable, highly recommended
- suitable, recommended

INOX**FLEX**



## INOXFLEX. The specialist for finishing stainless steels and steel alloys.

The speed control ensures that the speed is correctly adjusted for grinding and polishing. The speeds stay constant under load. The LE 14-7 125 INOX has a soft start for a jerk-free start-up. Temperature monitoring prevents any fused windings. The restart protection stops the machine from inadvertently starting after a power failure. The completely cast electronic component prevents damage due to metal dust.



### Superior performance

Powerful, strong 1400 watt motor for quick working progress. Features constant speed control thanks to a tachogenerator.



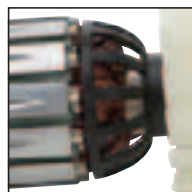
### FixTec quick-lock nut

FixTec quick clamp nut for tool-free and quick disc change.



### SoftVib hand grip

SoftVib handle dampens vibrations, protects the operator's joints.



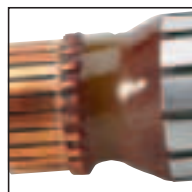
### Safe

3-fold winding protection against metal dust. Prevents the ingress of dust and therefore reduces motor wear. Mesh guard on the winding overhang of the armature (fan side) also extends the service life.



### Optimally aligned

Special gear ratio for high torque in the medium and low speed range. Prevents blue discolouration and distortion from heat.



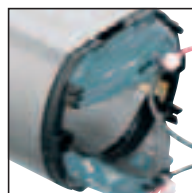
### Robust

Armoured winding on the armature (commutator side) protects against deposits and damage to the armature and commutator.



### Toolfree

Dust guard with tool-free quick adjustment. Simple and quick adjustment to different working positions.



### Durable

Epoxy-coated winding on the field core protects against abrasive dust and short circuits on the field.



### Spindle stop

Easy tool change with the integrated spindle stop. Protected from accidental press.



## **INOXFLEX. Simply versatile** **Adjusted to all the different practical requirements**

2

Metal surface finishing



The INOXFLEX is superb for grinding down weld seams, breaking and rounding edges and for cleaning and finishing work on stainless steel, steel, light alloys and non-ferrous metals. The special gear reduction delivers a high torque in the medium and lower speed range. This prevents blue discolorations and distortion caused by a build-up of heat.

## From coarse grinding to mirror-finish polishing



The texture of the PYRAFLEX grinding disc enables work steps to be skipped, thus shortening the amount of time normally needed for the work. It also improves the surface quality and impresses with its long service life. Ideal for removing scratches and rolling skin on stainless steel and for building up a grinding surface pattern based on defined quality criteria.



### To a mirror finish

The felt pads are made from natural raw materials. When used in conjunction with the correct polishes/agents and oils, they are particularly suitable for polishing (to a mirror finish), sealing and care.



### SC fleece discs

For removing minor damage, scratches, tarnishing, rust film, scale and dirt. On thin sheet metal, tarnishing on weld seams can also be optimally removed without heat distortion.

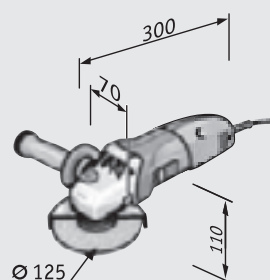
# Metal surface finishing

## LE 14-7 125 INOX Set



### SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. disc diameter          | 125 mm        |
| Max. polishing pad diameter | 160 mm        |
| No load speed               | 2100-7500 rpm |
| Power input                 | 1400 watt     |
| Power output                | 880 watt      |
| Tool fixture                | M 14          |
| Cable length                | 4,0 m         |
| Weight                      | 2,4 kg        |

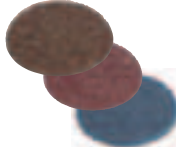


### 1400 watt INOXFLEX, specialist for stainless steels and steel alloys, 125 mm

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Highly efficient and resilient motor for more power output
- Special gearbox: special gear ratio for high torque in medium and low speed range. Prevents blue discolouration and distortion due to the development of heat.
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Tool-free adjustment of safety guard
- Spindle lock
- Single-pole switch
- This machine is also available in 110 V

| Standard equipment                  | Order no.          |
|-------------------------------------|--------------------|
| <b>LE 14-7 125 INOX Set</b>         | <b>406.589</b>     |
| 1 guard grinding 125 Ø              | 394.394            |
| 1 SoftVib handle                    | 316.857            |
| 1 clamping flange                   | 191.612            |
| 1 FixTec quick-clamp nut M 14       | 313.459            |
| 1 flap disc P 60                    | 1 piece of 349.925 |
| 1 fillet weld disc 6 A medium       | 1 piece of 358.711 |
| 1 SC-VL polishing flap wheel medium | 1 piece of 358.606 |
| 1 SC fleece disc coarse             | 1 piece of 358.614 |
| 1 SC fleece disc medium             | 1 piece of 358.622 |
| 1 SC fleece disc very fine          | 1 piece of 358.630 |
| 1 PYRAFLEX A 160                    | 1 piece of 364.592 |
| 1 PYRAFLEX A 65                     | 1 piece of 358.797 |
| 1 PYRAFLEX A 45                     | 1 piece of 358.800 |
| 1 PYRAFLEX A 30                     | 1 piece of 358.819 |
| 1 natural fibre felt pad FP D125 S  | 1 piece of 393.355 |
| 1 hook and loop backing pad Hook    | 364.584            |
| 1 Poli set mini                     | 365.041            |
| 1 carrying case                     | 367.192            |
| 1 case insert                       | 367.206            |



| Type                                                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                       | Designation       | Dimensions in mm | Grit          | QP | Order no. |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|---------------|----|-----------|---|
| Thin cutting disc for stainless steel<br>                                | Straight, for fast low-force cutting of thin-walled pipes, profiles and plates. Reduced cutting pressure and extremely low chipping for cool cutting. Ensures burr-free edges and prevents blue discoloration and reduces flying sparks. 30% longer service life by packaging in stay-fresh can.                                                                                                                                                  |                   | 125 Ø x 1 x 22,2 |               | 10 | 349.836   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
| Flap disc for metal and stainless steel, cambered<br>                    | Ideal for flap-grinding metals, stainless steel, alloyed and non-alloyed steel, light metals, non ferrous metals, construction steel, to smooth welds and cast iron. Removing welding spots and beads, processing welding seams, breaking and rounding edges. High material removal rate, guarantees effortless working without filling pores.                                                                                                    |                   | 125 Ø x 22,2     | P 60          | 10 | 349.925   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | 125 Ø x 22,2     | P 80          | 10 | 349.933   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
| SC-VL polishing flap wheel for metal and stainless steel, cambered<br> | Polishing flap wheel for sanding, cleaning and finishing on stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics. Remove any tarnish, flash rust, scale and scratches. Remove any tarnish, flash rust, scale and scratches. Preparing, grinding and polishing welds.                                                                                                                                            |                   | 125 Ø x 22,2     | medium        | 5  | 358.606   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
| Fillet disc<br>                                                        | For grinding welds and removing tarnish. High-quality surfaces at welded joints in a single work step. The perfect disc for quick and high-quality fillet weld processing. Ideal for alloyed and high-alloyed steels, chromed and nickel steels, titanium, light metals, non-ferrous metals and steels. Pre-grind weld under 6A medium, 3S fine for finishing.                                                                                    |                   | 125 Ø x 6 x 22,2 | 6 A medium    | 10 | 358.711   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | 125 Ø x 6 x 22,2 | 3 S fine      | 10 | 358.703   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
| Grinding disc PYRAFLEX<br>                                             | To prepare for polishing and thanks to the structure, work steps can be leapt over and this reduces the working time. Improves the surface quality, lengthens the service life. For all steels, particularly suitable for stainless steels, titanium, nickel, cobalt and chrome alloys. For removing scratches and mill scale from stainless steel, creation of a grinding pattern according to defined quality criteria (looks, surface finish). | D125 PY-A30 VE10  | 125 Ø            | A 30 (K 600)  | 10 | 358.819   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D125 PY-A45 VE10  | 125 Ø            | A 45 (K 400)  | 10 | 358.800   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D125 PY-A65 VE10  | 125 Ø            | A 65 (K 280)  | 10 | 358.797   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D125 PY-A160 VE10 | 125 Ø            | A 160 (K 120) | 10 | 364.592   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
| SC-Fleece velcro backed disc<br>                                       | For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.                                                                                                                                                                         | D125 SC-C VE10    | 125 Ø            | coarse        | 10 | 358.614   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D125 SC-M VE10    | 125 Ø            | medium        | 10 | 358.622   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D125 SC-VF VE10   | 125 Ø            | very fine     | 10 | 358.630   | ■ |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                  |               |    |           |   |
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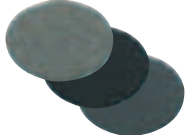
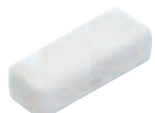
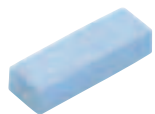
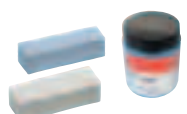
■ suitable  
- not suitable

## Metal surface finishing

### Accessories

2

Metal surface finishing

| Type                                                                                | Description                                                                                                                                                                                                                                                                        | Designation   | Type | Dimensions in mm | Grit   | QP    | Order no. |   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------|------------------|--------|-------|-----------|---|
|    | High-performance polishing pad for high-gloss polishing of stainless steel and metals, no polishing mediums.                                                                                                                                                                       | D125 SU-S600  |      | 125 Ø            | S 600  | 1     | 318.191   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    | D125 SU-S1500 |      | 125 Ø            | S 1500 | 1     | 318.205   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    | D125 SU-S2500 |      | 125 Ø            | S 2500 | 1     | 320.234   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|    | Ideally suited for polishing stainless steel, non-ferrous metals, wood surfaces, mineral-based materials, paints, glass, acrylic glass (in conjunction with the correct polishes/agents and oils for sealing and care).                                                            | FP D125 H VE5 | hard | 125 Ø            |        | 5     | 393.347   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    | FP D125 S VE5 | soft | 125 Ø            |        | 5     | 393.355   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|    | Pre-polishing paste, white, 700 g.                                                                                                                                                                                                                                                 |               |      |                  |        | 1     | 255.004   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|  | High gloss paste blue, 700 g.                                                                                                                                                                                                                                                      |               |      |                  |        | 1     | 255.005   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|  | Finishing cream, box 1 kg.                                                                                                                                                                                                                                                         |               |      |                  |        | 1     | 255.006   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|  | Polishing set, consisting of: polishing paste white, polishing paste blue, 100 g each and polishing cream, 100 g.                                                                                                                                                                  | PP-W/B/C      |      |                  |        | 1 set | 365.041   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|  | With 8-hole system for optimum dust extraction for all FLEX velcro sanding tools Ø 125 mm. The 3 mm cellular rubber damping reduces the shearing forces between support pad and sanding tool. Thanks to long velcro hooks, there is greater temperature resistance at a high load. | SP D125-8 H/F |      | 125 Ø            |        | 1     | 391.727   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|  | Backing pad with foamed base and hook fasteners. Uniform distribution of pressure for sanding and polishing.                                                                                                                                                                       | Velcro hook   |      | 125 Ø x M 14     |        | 1     | 364.584   | ■ |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |
|                                                                                     |                                                                                                                                                                                                                                                                                    |               |      |                  |        |       |           |   |

■ suitable  
- not suitable

LE 14-7 125 INOX Set

| LE 14-7 125 INOX Set                                                                                                                |                                                                   |                  |                     |    |           |   |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|---------------------|----|-----------|---|
| Type                                                                                                                                | Description                                                       | Designation      | Dimensions<br>in mm | QP | Order no. |   |
| <div>FixTec quick clamp nut M 14</div> <div></div> | For tool-less disc change, suitable for discs from Ø 115-150 mm.  |                  |                     | 1  | 313.459   | ■ |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
| <div>Carrying case</div> <div></div>               | From impact-resistant plastic for LE 14-7 125.                    | TK-L 530x375x130 | 530 x 375 x 130     | 1  | 367.192   | ■ |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
| Case insert                                                                                                                         | Carrying case insert for LE 14-7 125 INOX Set with tidy function. | TKE LE14-7 INOX  |                     | 1  | 367.206   | ■ |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |
|                                                                                                                                     |                                                                   |                  |                     |    |           |   |

TRINOX**FLEX**



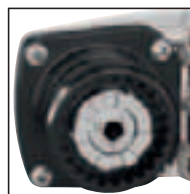
## TRINOFLEX. Effective, fast and particularly economical

With the new TRINOFLEX, FLEX offers a new, versatile and above all variable surface system for stainless steel finishing. A patented claw coupling enables the burnishing and pipe belt grinding attachments to be positioned and changed on the basic drive BME 14-3 L without the use of tools. This allows you to work particularly effectively, quickly and economically. Thanks to the change system, there's no need to buy two machines. An other attachment can be added to the system at any time. FLEX also supplies a complete set with a burnishing and pipe belt attachment. All variants are available in a L-BOXX®.



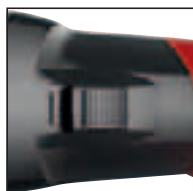
### Always the right speed

Thanks to the variable speed and the constant speed maintenance control, the machine is optimally suited to stainless steel surfaces. All electronic modules are completely encapsulated for protection against dust.



### Unique

The innovative quick-action coupling allows the tool attachments for burnishing and pipe belt sanding to be changed quickly and without using tools.



### Packed with power

The TRINOFLEX is equipped with a 1400 watt high-performance motor. The reinforced winding on the armature and collector protects against deposits and damage.



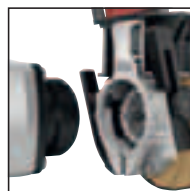
### Simple and quick

Simply releasing the clamping lever enables the tool attachment to be changed comfortably and quickly.



### Easy to operate

The spindle lock is slightly recessed in order to prevent accidental operation.



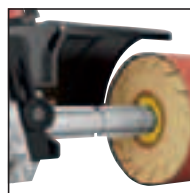
### Variable

The quick-action coupling allows the tool attachments to be used in variable positions. This enables the position of the handle to be adjusted as required.



### Burnishing attachment

The burnishing attachment allows working close up to the edge and is also suitable for narrow rollers.



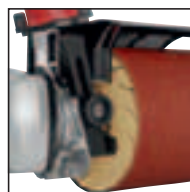
### Patented quick-change system

Whether a rubber roller or an expansion roller is involved, the grinding tool can be changed quickly and – above all – without using tools. Press → Rotate → Pull off



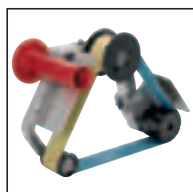
### Low-vibration

Vibration-dampened, ergonomic bail handle for optimum handling and machine guidance.



### Guide stop

Enables a uniform surface pattern to be achieved when burnishing narrow workpieces.



### Pipe belt attachment

The high-quality light alloy sanding arm with spring bearings and two deflection rollers wraps around pipes up to max. 270° and allows working up close to the edge at wall junctions. Guard plates prevent chips from flying off towards the user. In addition, the vulcanised convex drive roller ensures that the belt runs safely in the centre of the drive roller.



### Removable guard

Can be removed comfortably via a rotary lock without using tools. Suitable for tool diameters up to 125 mm.



## TRINOXFLEX. Two for the price of one

### Pipe belt sander with wrap angle up to 270°

2

Metal surface finishing



For coarse grinding, burnishing and polishing stainless steel and other materials up to a mirror finish. The wide 270° wrap angle allows a pipe to be finished in just two work steps. Thanks to the steplessly adjustable speed, it is possible to optimally adapt the belt speed to the material requirements. Precise guidance of the sanding belt delivers a uniform surface pattern. The sanding belt can be changed without using tools.



#### Sits well in your hand

Optimum guidance of the TRINOXFLEX is possible thanks to the narrow grip circumference and a grip position that is particularly ergonomic.



#### It couldn't be more simple

Simply release the clamping lever and the tool attachment can be changed comfortably and quickly.



#### Adapts itself to any position

The quick-action coupling allows the tool attachments to be used in variable positions. This enables the position of the handle to be adjusted as required.



## TRINOXFLEX. One drive – two applications

### Changes into a burnishing machine with just one click



The high-torque 1400 watt motor, the steplessly adjustable speed and the burnishing attachment make the TRINOXFLEX the ideal machine for grinding, burnishing, brushing and mirror-finish polishing. The triple winding guard protects the machine against metal dust, thereby extending the service life.



#### Sanding fleece

The elastic fleece roller a multiply pleated sanding fleece is suitable for almost smooth sanding finish on stainless steel, copper, aluminium, brass etc.



#### That goes together

The extensive FLEX sanding range offers the right sanding fleece, the right brush and much more besides for almost all tasks



#### Adapts itself to any position

Even the grip position of the burnishing attachment can be variably adjusted to suit your needs.

## Metal surface finishing

BME 14-3 L

BSE 14-3 100

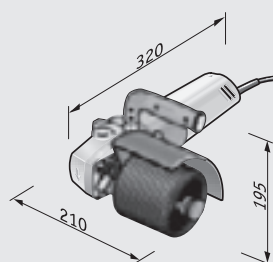
BSE 14-3 100 Set



**NEW**

### SPECIFICATIONS

|                           |                    |
|---------------------------|--------------------|
| Power input               | 1400 watt          |
| Power output              | 880 watt           |
| Max. tool Ø               | 125 mm             |
| Tool width                | 100 mm             |
| Tool fixture BME 14-3 L   | Quick-fit coupling |
| Tool fixture BSE 14-3 100 | 19 mm              |
| No load speed             | 1000-3500 rpm      |
| Cable length              | 4,0 m              |
| Weight BME 14-3 L         | 2,1 kg             |
| Weight BSE 14-3 100       | 2,9 kg             |



### Burnishing machine TRINOXFLEX

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Unique tool attachment with quick-action coupling for tool-free changing of the system attachments for burnishing and pipe belt sanding
- Variably adjustable burnishing attachment, allows working close up to the edge, also suitable for narrow rollers, incl. edge guide
- Tool-free grinding tool change via a patented quick-change system
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- Adjustable guard: for sanding tools up to Ø 125 mm
- Single-pole switch
- Spindle lock
- For optimum finishing of various materials, for burnishing, texturing, polishing, brushing, smoothing, de-rusting and deburring steel and stainless steel surfaces

| Standard equipment                         | Order no.           |
|--------------------------------------------|---------------------|
| <b>BME 14-3 L (basic motor)</b>            | <b>433.403</b>      |
| <b>BSE 14-3 100</b>                        | <b>433.411</b>      |
| 1 sanding attachment for burnishing BS 100 | 433.462             |
| <b>BSE 14-3 100 Set</b>                    | <b>433.438</b>      |
| 1 sanding attachment for burnishing BS 100 | 433.462             |
| 1 rubber air roller                        | 433.896             |
| 1 air pump                                 | 256.284             |
| 1 fleece A 280/fine                        | 256.975             |
| 1 sanding-polishing sleeve, S 600          | 436.429             |
| 1 sanding-polishing sleeve, S 1500         | 436.437             |
| 1 MESHFLEX sanding sleeve A 400            | 434.612             |
| 3 ZIRCOFLEX sanding sleeves P 80           | 3 pieces of 434.515 |
| 3 ZIRCOFLEX sanding sleeves P 120          | 3 pieces of 434.523 |
| 3 CERAFLX sanding sleeves K 120            | 3 pieces of 434.566 |
| 3 CORUFLEX sanding sleeves P 180           | 3 pieces of 434.574 |
| 1 carrying case L-BOXX® 238                | 414.093             |
| 1 case insert                              | 433.918             |

Accessories from page 51



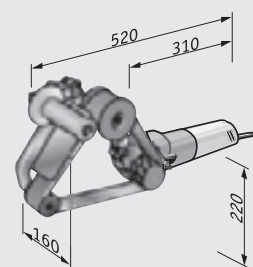
### Pipe belt sander TRINOXFLEX in set

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Unique tool attachment with quick-action coupling for tool-free changing of the system attachments for burnishing and pipe belt sanding
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- Sanding belt replacement: quick and tool-free
- Sanding belt dimension: 760 x 40 mm
- High-quality, spring-mounted sanding arm: light alloy with 2 deflection rollers. For optimum wrap-round on pipes, up to max. 270°
- Single-pole switch
- Spindle lock



### SPECIFICATIONS

|                                |              |
|--------------------------------|--------------|
| Power input                    | 1400 watt    |
| Power output                   | 880 watt     |
| Max. tool Ø BSE 14-3 INOX Set  | 125 mm       |
| Tool width BSE 14-3 INOX Set   | 100 mm       |
| Tool fixture BSE 14-3 INOX Set | 19 mm        |
| Belt speed                     | 3,5-10 m/sec |
| Belt dimensions                | 760 x 40 mm  |
| Pipe Ø max.                    | 125 mm       |
| Cable length                   | 4,0 m        |
| Weight                         | 3,6 kg       |



### Burnishing machine and pipe belt sander TRINOXFLEX INOX set

#### Standard equipment

#### Order no.

|                                            |                     |
|--------------------------------------------|---------------------|
| <b>BRE 14-3 125 Set</b>                    | <b>433.446</b>      |
| 1 sanding attachment, pipe belt BR 125     | 433.470             |
| 1 sanding-polishing belt S 600             | 326.917             |
| 1 superfinishing band S 1500               | 326.933             |
| 1 sanding belt MESHFLEX A 240              | 1 piece of 326.879  |
| 1 sanding belt MESHFLEX A 400              | 1 piece of 326.852  |
| 5 sanding belts CORUFLEX P 80              | 5 pieces of 326.739 |
| 5 sanding belts CORUFLEX P 120             | 5 pieces of 326.755 |
| 5 sanding belts CORUFLEX P 220             | 5 pieces of 326.771 |
| 1 carrying case L-BOXX® 238                | 414.093             |
| 1 case insert                              | 433.918             |
| <b>BSE 14-3 INOX Set</b>                   | <b>433.454</b>      |
| 1 sanding attachment, pipe belt BR 125     | 433.470             |
| 1 sanding attachment for burnishing BS 100 | 433.462             |
| 1 rubber air roller                        | 433.896             |
| 1 air pump                                 | 256.284             |
| 1 sanding-polishing belt S 600             | 326.917             |
| 1 superfinishing band S 1500               | 326.933             |
| 1 sanding belt MESHFLEX A 240              | 1 piece of 326.879  |
| 1 sanding belt MESHFLEX A 400              | 1 piece of 326.852  |
| 5 sanding belts CORUFLEX P 80              | 5 pieces of 326.739 |
| 5 sanding belts CORUFLEX P 120             | 5 pieces of 326.755 |
| 5 sanding belts CORUFLEX P 220             | 5 pieces of 326.771 |
| 1 carrying case L-BOXX® 238                | 414.093             |
| 1 case insert                              | 433.918             |



## The trick with the kink

Compact belt file – ideal for those hard-to-reach places

2

Metal surface finishing



The highly effective belt file FBE 8-140 is suitable for sanding, burnishing and deburring. The sanding attachment can also be swivelled through 270° for perfect adaptation to any working position. No tools are used to change the sanding belt and to adjust the belt guide. The FBE 8-140 has a stepless speed controller to allow working at speeds that suit the material.



### The trick with the kink

The swivel-action sanding attachment facilitates access to narrow and hard-to-reach places. Even narrow weld seams can be sanded perfectly using the 9 mm sanding arm.



### Go wider if you need to

For working on larger surfaces, the FBE 8-140 can be changed over to hold a 30 mm sanding arm in just a few simple steps.



### Compact and handy

The compact and ergonomic design makes it easier to handle and guide the machine safely.


**NEW**

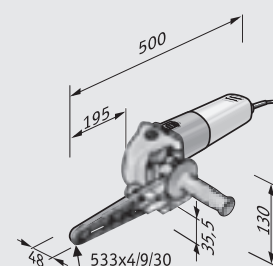
### Belt file

- Highly efficient and resilient motor for more power output
- Infinitely adjustable belt speed
- Sanding head: rotates through 140°. For use with sanding arms in 9 mm or 30 mm
- Sanding arm adjustable for 520 mm and 533 mm belt lengths.
- Processing length sanding arm up to approx. 12 cm
- Quick belt replacement system: for quick, tool-free belt replacement
- Machine only with 9 mm arm. Order No. 420.530



### SPECIFICATIONS

|                               |                   |
|-------------------------------|-------------------|
| Power input                   | 800 watt          |
| Power output                  | 325 watt          |
| Belt speed                    | 4-12 m/sec        |
| Belt dimensions FBE 8-140     | 520/533 x 4-9 mm  |
| Belt dimensions FBE 8-140 Set | 520/533 x 4-30 mm |
| Cable length                  | 4,0 m             |
| Weight                        | 2,4 kg            |



| Standard equipment                                          | Order no.           |
|-------------------------------------------------------------|---------------------|
| <b>FBE 8-140</b>                                            | <b>420.530</b>      |
| 1 sanding arm (pointed) 9 mm                                | 256.525             |
| 1 sanding belt kit for 9 mm sanding arm, P 40/ P 120/ P 220 | 1 set               |
| 1 side handle                                               | 194.034             |
| 1 hexagon socket wrench, SW 5                               | 115.460             |
| <b>FBE 8-140 Set</b>                                        | <b>420.549</b>      |
| 1 sanding arm, pointed, 9 mm                                | 256.525             |
| 1 sanding arm, with large roller, Ø 30/30 mm                | 258.888             |
| 2 sanding belts ZIRCOFLEX P 60, 4 mm                        | 2 pieces of 303.615 |
| 2 sanding belts ZIRCOFLEX, P 120, 4 mm                      | 2 pieces of 303.623 |
| 2 sanding belts ZIRCOFLEX, P 60, 9 mm                       | 2 pieces of 257.105 |
| 2 sanding belts ZIRCOFLEX, P 120, 9 mm                      | 2 pieces of 257.102 |
| 2 sanding belts ZIRCOFLEX, P 60, 30 mm                      | 2 pieces of 255.328 |
| 2 sanding belts ZIRCOFLEX, P 120, 30 mm                     | 2 pieces of 255.329 |
| 1 sanding belt MESHFLEX A 240, 9 mm                         | 1 piece of 318.663  |
| 1 sanding belt MESHFLEX A 240, 30 mm                        | 1 piece of 318.647  |
| 1 side handle                                               | 194.034             |
| 1 hexagon socket wrench, SW 5                               | 115.460             |
| 1 carrying case L-BOXX® 238                                 | 414.093             |
| 1 case insert                                               | 436.623             |

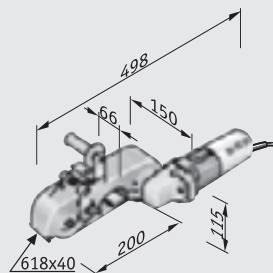
## Metal surface finishing

### LBR 1506 VRA



#### SPECIFICATIONS

|                 |             |
|-----------------|-------------|
| Power input     | 1200 watt   |
| Power output    | 700 watt    |
| Belt speed      | 10-30 m/sec |
| Belt dimensions | 618 x 40 mm |
| Cable length    | 4,0 m       |
| Weight          | 4,2 kg      |



#### 1200 watt weld and pipe belt sander

- Highly efficient and resilient motor for more power output
- VR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection and speed selection
- Sanding belt tension: spring loaded, adapts to pipe diameter from 10 to 250 mm
- Sanding belt dimension: 618 x 40 mm
- Sanding belt replacement: quick and easy
- Hand grip directly over the sanding belt for fatigue-free work
- Infinitely adjustable belt speed
- Grinding weld seam directly on front contact roller with locked front swing arm
- Grinding pipes: between two rollers with unlocked front swing arm. The grinding belt wraps around the pipe and adapts to the pipe diameter
- This machine is also available in 110 V

#### Standard equipment

#### Order no.

|                                |                    |
|--------------------------------|--------------------|
| <b>LBR 1506 VRA</b>            | <b>282.499</b>     |
| 1 side handle                  | 252.721            |
| 1 sanding belt ZIRCOFLEX P 60  | 1 piece of 223.689 |
| 1 sanding belt ZIRCOFLEX P 120 | 1 piece of 266.132 |
| 1 sanding belt MESHFLEX A 240  | 1 piece of 317.977 |
| 1 hexagon socket wrench, SW 5  | 115.460            |
| 1 hexagon socket wrench, SW 6  | 104.167            |
| 1 hexagon socket wrench, SW 3  | 178.772            |

Accessories from page 56





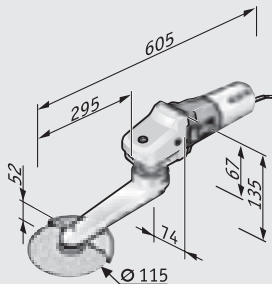
Fillet weld grinder

- Highly efficient and resilient motor for more power output
- VR full-wave electronic control: with speed selection and constant speed control, soft start, overload protection.
- Infinitely adjustable speed for optimum processing of various materials.
- Slim sanding head: sand and polish with ease in corners, easy to guide
- Quality abrasives: compressed fleece-fibre nylon
- Profiling stone: for pre-profiling the grinding discs



SPECIFICATIONS

|                    |               |
|--------------------|---------------|
| Power input        | 1200 watt     |
| Power output       | 700 watt      |
| Max. disc diameter | 152 mm        |
| No load speed      | 1500-4700 rpm |
| Cable length       | 4,0 m         |
| Weight             | 3,4 kg        |



| Standard equipment                  | Order no. |
|-------------------------------------|-----------|
| LLK 1503 VR                         | 315.257   |
| 1 profiling stone                   | 315.494   |
| 1 FixTec quick-clamp nut M 14       | 313.459   |
| 1 compact grinding disc, 3 mm, soft | 313.416   |
| 1 compact grinding disc, 3 mm, hard | 313.424   |
| 1 compact grinding disc, 6 mm, soft | 313.432   |
| 1 compact grinding disc, 6 mm, hard | 313.440   |
| 1 carrying case L-BOXX® 238         | 414.093   |
| 1 case insert                       | 436.658   |

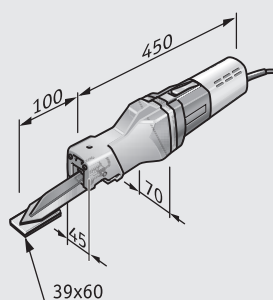
## Metal surface finishing

ST 1005 VE



### SPECIFICATIONS

|                     |               |
|---------------------|---------------|
| Power input         | 400 watt      |
| Power output        | 220 watt      |
| Sanding medium      | 39 x 60 mm    |
| Orbit               | 8 mm          |
| Orbit rate, no load | 1200-4500 opm |
| Cable length        | 4,0 m         |
| Weight              | 2,2 kg        |



### Finger sander

- VE electronic control: infinitely adjustable stroke speed via speed selector wheel
- Free view of the tool
- 2 polishing shoes with velcro polishing cushion 39 x 60 mm
- The linear movement of the tilted sanding pad allows the finger sander to reach into corners and edges, particularly with the pointed pad
- Short, compact motor
- Handy, lightweight design
- For a perfect finish on steel and stainless steel surfaces in hard-to-reach areas
- Long stroke for efficient working

### Standard equipment

### Order no.

|                                                 |                |
|-------------------------------------------------|----------------|
| <b>ST 1005 VE</b>                               | <b>259.540</b> |
| 2 polishing shoes with velcro polishing cushion | 1 set          |
| 10 velcro sand papers, P 60                     | 258.299        |
| 10 velcro sand papers, P 120                    | 258.300        |
| 10 velcro sand papers, P 180                    | 258.301        |
| 10 velcro fleece, A 240, 39 x 60 mm             | 258.302        |
| 1 hexagon socket wrench, SW 3                   | 217.794        |

Accessories from page 58

| Type                                                                                                             | Description                                                                                                                                                                                                                                                                                | Designation   | Dimensions<br>in mm | Contents | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE | LP 1503 VR |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|----------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|------------|
|  Sanding attachment, burnishing | Sanding attachment with integrated handle for burnishing. For the TRINOXFLEX. Tool-free fitting via the quick-change system.                                                                                                                                                               | BS 100        |                     |          | 1  | 433.462   | ■            | ■                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Sanding attachment, pipe belt  | Sanding attachment for pipe belt sanding. For the TRINOXFLEX. Tool-free fitting via the quick-change system. Variably adjustable attachment.                                                                                                                                               | BR 125        |                     |          | 1  | 433.470   | ■            | ■                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Rubber air roller             | For sensitive contour sanding.                                                                                                                                                                                                                                                             | AS 100x100    | 100 Ø x 100         |          | 1  | 433.896   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            | AS 90x100     | 90 Ø x 100          |          | 1  | 256.415   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Expansion roller             | For using sanding/polishing sleeves. These are simply pushed over the rubber holder and held securely in place by centrifugal force.                                                                                                                                                       | ES 100x100    | 100 Ø x 100         |          | 1  | 433.926   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Air pump                     | For pumping up rubber air rollers.                                                                                                                                                                                                                                                         |               |                     |          | 1  | 256.284   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Drive roller                 | For sanding belt drive.                                                                                                                                                                                                                                                                    | RA 60x100     | 60 Ø x 100          |          | 1  | 255.731   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Drive roller                 | With stainless steel guide discs. Needed is the distance ring set (Order no. 250.522).                                                                                                                                                                                                     | RA 62x70 INOX | 62 Ø x 70           |          | 1  | 303.054   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  Distance ring set            | Required for nylon brushes, stainless steel wire brushes, stranded wire brushes, cotton buffing wheels. Also necessary for sanding flaps, sanding fleeces, sanding fleece flaps, fine sanding rollers and sanding wheels less than 100 mm wide if only one sanding wheel is to be mounted. |               |                     |          | 10 | 250.522   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|  INOX Clean spray             | To seal the surface, 400 ml tin.                                                                                                                                                                                                                                                           |               |                     | 400 ml   | 1  | 298.301   | -            | -                | -                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                                                            |               |                     |          |    |           |              |                  |                   |           |              |             |            |            |

■ suitable  
- not suitable

## Metal surface finishing

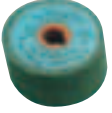
### Accessories

2

Metal surface finishing

| Type                                                                                                                  | Description                                                                                                                                                                                                                                                                                                         | Dimensions<br>in mm | Grit              | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE | LP 1503 VR |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|------------|
| <b>Poli-clean</b><br>                | Hard-structured fleece wheel. For cleaning welds and intensive, pore-deep removal of rust and oxidation layers.                                                                                                                                                                                                     | 100 Ø x 100         | extra coarse      | 1  | 257.375   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
| <b>Flap wheel sanding</b><br>        | Flexible sanding wheel with individual flexible flap-type sanding lamellae and keyway. 2 wheels are required. For paint removal, sanding and strong graining applications. Removes scratches, rust, old paint, scale and burrs. The 40 grit employed enables the removal of even deep scratches on stainless steel. | 100 Ø x 50          | P 40              | 1  | 250.496   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 60              | 1  | 250.498   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 80              | 1  | 250.499   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 120             | 1  | 250.501   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 180             | 1  | 250.504   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 240             | 1  | 250.505   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 40              | 1  | 358.827   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 60              | 1  | 358.835   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 80              | 1  | 358.843   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 120             | 1  | 358.851   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 180             | 1  | 358.878   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 240             | 1  | 358.886   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
| <b>Sanding fleece top</b><br>      | Flexible fleece roller with heavy-duty fleece. Maximum service life and high grinding power shorten the grinding time. For stainless steel, steel, copper, brass and aluminium. For cleaning, burnishing and smoothing.                                                                                             | 100 Ø x 100         | A 80 (coarse)     | 1  | 377.910   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 180 (medium)    | 1  | 377.929   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 280 (fine)      | 1  | 377.937   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
| <b>Sanding fleece</b><br>          | Flexible polishing wheel made of sanding grit-impregnated nylon web with a keyway. Two wheels are required (for 50 mm wide fleece only). Achieves effective surface finishes on stainless steel, copper, aluminum, brass, etc. Also ideal for cleaning oxidized coatings and smoothing plastic and wood.            | 100 Ø x 50          | A 80 (coarse)     | 1  | 250.509   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | A 160 (medium)    | 1  | 250.510   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | A 280 (fine)      | 1  | 250.512   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | A 400 (very fine) | 1  | 250.513   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 80 (coarse)     | 1  | 256.973   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 160 (medium)    | 1  | 256.974   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 280 (fine)      | 1  | 256.975   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 400 (very fine) | 1  | 256.976   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
| <b>Sanding fleece flap</b><br>     | Flexible combination of sanding flap and sanding fleece. Two wheels are required (for 50 wide). Suitable for dulling and finishing. Removes small scratches on metal, hard plastics and wood.                                                                                                                       | 100 Ø x 50          | P 80/A 160        | 1  | 250.515   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 150/A 280       | 1  | 250.516   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 50          | P 240/A 280       | 1  | 358.894   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 80/A 160        | 1  | 256.977   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 150/A 280       | 1  | 256.978   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | P 240/A 280       | 1  | 358.908   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
| <b>Grinding fleece, folded</b><br> | Flexible polishing wheel with multiple-folded grinding fleece for practically ridge-free grinding stainless steel, copper, aluminium, brass, etc.                                                                                                                                                                   | 100 Ø x 100         | A 100             | 1  | 347.272   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 180             | 1  | 347.280   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     | 100 Ø x 100         | A 280             | 1  | 347.299   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |                     |                   |    |           |              |                  |                   |           |              |             |            |            |

■ suitable  
- not suitable

| Type                                                                                                             | Description                                                                                                                                                                                                                                                   | Designation                        | Dimensions<br>in mm | Grit   | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE | LP 1503 VR |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|--------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|------------|
| Fine polishing roller<br>       | Soft rubber polishing wheel made of grit-impregnated rubber web. 2 rollers are required. For particularly bright longitudinal structures. Best effects are achieved on stainless steel.                                                                       | Fine polishing roller K60 D100x50  | 100 Ø x 50          | K 60   | 1  | 250.525   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | Fine polishing roller K180 D100x50 | 100 Ø x 50          | K 180  | 1  | 250.526   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Nylon brushes<br>               | Impregnated with sanding grits. Flexible, interspersed plastic brushes. For deburring, cleaning, roughing and smoothing. (Also suitable for wood, brushing applications and removing fibres.) Needed is one piece plus distance ring set (order no. 250.522). |                                    | 100 Ø x 70          | S 80   | 1  | 251.624   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Stainless steel wire brush<br> | Flexible stainless steel wire brush. Rust removal, deburring, roughing and paint removal. Needed is one piece plus distance ring set (Order no. 250.522).                                                                                                     |                                    | 100 Ø x 70          |        | 1  | 251.625   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Stranded wire brushes<br>     | Made of strong, twisted, gold-colored steel wire. Extremely tough and rigid. For rust removal, deburring, removing dirt and old paint. Brings up the grain structure in wood. Needed is one piece plus distance ring set (order no. 250.522).                 |                                    | 100 Ø x 70          |        | 1  | 251.626   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Polishing felt<br>            | Soft, flexible felt polishing wheel. Two wheels are required. For high-gloss polishing when using polishing pastes and creams.                                                                                                                                |                                    | 100 Ø x 50          |        | 1  | 257.374   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Cotton buffing wheel<br>      | Polishing ring made of impregnated cotton cloth. Achieves a high-gloss polished finish on aluminum, brass and stainless steel. Needed are 8 pieces plus distance ring set (order no. 250.522).                                                                |                                    | 100 Ø x 10          |        | 8  | 317.950   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Sanding-polishing sleeve<br>  | For high-gloss polishing without polishing agents in two steps.                                                                                                                                                                                               | 90x100 SU-S600                     | 90 Ø x 100          | S 600  | 1  | 318.175   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 90x100 SU-S1500                    | 90 Ø x 100          | S 1500 | 1  | 318.183   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 100x100 SU-S600                    | 100 Ø x 100         | S 600  | 1  | 436.429   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
| Sanding sleeve ZIRCOFLEX<br>  | Sanding sleeve with high-quality, self-sharpening zirconium corundum for a longer service life. High abrasion performance in coarse and intermediate sanding on steel and stainless steel surfaces.                                                           | 100x100 SU-S1500                   | 100 Ø x 100         | S 1500 | 1  | 436.437   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 90x100 ZI-P60 VE5                  | 90 Ø x 100          | P 60   | 5  | 256.285   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 90x100 ZI-P100 VE5                 | 90 Ø x 100          | P 100  | 5  | 256.286   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 90x100 ZI-P180 VE5                 | 90 Ø x 100          | P 180  | 5  | 256.287   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                  |                                                                                                                                                                                                                                                               |                                    |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 100x100 ZI-P60 VE5                 | 100 Ø x 100         | P 60   | 5  | 434.507   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 100x100 ZI-P80 VE5                 | 100 Ø x 100         | P 80   | 5  | 434.515   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                  |                                                                                                                                                                                                                                                               | 100x100 ZI-P120 VE5                | 100 Ø x 100         | P 120  | 5  | 434.523   | ■            | -                | ■                 | -         | -            | -           | -          | -          |

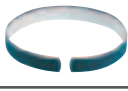


## Metal surface finishing

### Accessories

2

Metal surface finishing

| Type                                                                                                                  | Description                                                                                                                                                                                                                                                                                                                  | Designation         | Dimensions<br>in mm | Grit   | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE | LP 1503 VR |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|------------|
| Sanding sleeve<br>CERAFLEX<br>       | Flexible high-performance sanding sleeve for optimum sanding performance, with high abrasion performance and an extremely long service life thanks to self-sharpening, micro-crystalline ceramic grit for preliminary and intermediate sanding on stainless steel surfaces. Cool sanding thanks to additional multi-bonding. | 100x100 CE-K60 VE5  | 100 Ø x 100         | 60     | 5  | 434.531   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 CE-K80 VE5  | 100 Ø x 100         | 80     | 5  | 434.558   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 CE-K120 VE5 | 100 Ø x 100         | 120    | 5  | 434.566   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Sanding sleeve<br>CORUFLEX<br>       | Highly flexible sanding sleeve with annealed corundum grit and active-sanding agents for finishing stainless steel. Particularly suitable for finish sanding.                                                                                                                                                                | 100x100 CR-P180 VE5 | 100 Ø x 100         | P 180  | 5  | 434.574   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 CR-P240 VE5 | 100 Ø x 100         | P 240  | 5  | 434.582   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Sanding sleeve<br>MESHFLEX<br>      | For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.                                                    | 90x100 ME-A100      | 90 Ø x 100          | A 100  | 1  | 256.288   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 90x100 ME-A240      | 90 Ø x 100          | A 240  | 1  | 256.289   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 90x100 ME-A400      | 90 Ø x 100          | A 400  | 1  | 256.290   | -            | -                | -                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 ME-A100     | 100 Ø x 100         | A 100  | 1  | 434.590   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 ME-A240     | 100 Ø x 100         | A 240  | 1  | 434.604   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              | 100x100 ME-A400     | 100 Ø x 100         | A 400  | 1  | 434.612   | ■            | -                | ■                 | -         | -            | -           | -          | -          |
| Velcro sanding belt<br>            | For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.                                                                                                                                                                                                                                     |                     | 600 x 40            | P 60   | 10 | 284.718   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     | 600 x 40            | P 120  | 10 | 284.726   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Velcro fleece<br>                  | For polishing pipes and pipe fittings. The drive roller RA 62x70 INOX 303.054 is needed.                                                                                                                                                                                                                                     |                     | 600 x 40            | A 100  | 2  | 281.069   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     | 600 x 40            | A 180  | 2  | 281.077   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     | 600 x 40            | S 400  | 2  | 281.085   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Superfinishing band<br>            | For high-gloss polishing of stainless steel. The drive roller RA 62x70 INOX 303.054 is needed.                                                                                                                                                                                                                               |                     | 600 x 40            | S 1500 | 2  | 318.736   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
| Velcro drive belt, blue<br>        | For closing and releasing the different belts. Simple application - tensile resistance up to 100 kg. The drive roller RA 62x70 INOX 303.054 is needed.                                                                                                                                                                       |                     | 700 x 30            |        | 2  | 281.050   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
| Adhesive tape for sanding belt<br> | For sealing open sanding belts. The drive roller RA 62x70 INOX 303.054 is needed.                                                                                                                                                                                                                                            |                     | 40 x 5000           |        | 1  | 251.838   | ■            | -                | ■                 | -         | -            | -           | -          | ■          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                     |                     |        |    |           |              |                  |                   |           |              |             |            |            |

■ suitable  
- not suitable

| Type                                                                                                                  | Description                                                                                                                                                                                                                                                                                                                | Designation          | Dimensions<br>in mm | Grit   | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|--------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|
| Sanding belt<br>ZIRCOFLEX<br>        | Sanding belt with high-quality, self-sharpening zirconium corundum for a longer service life. High abrasion performance in coarse and intermediate sanding on steel and stainless steel surfaces.                                                                                                                          | 760x40 ZI-P36 VE 10  | 760 x 40            | P 36   | 10 | 438.464   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ZI-P40 VE 10  | 760 x 40            | P 40   | 10 | 438.472   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ZI-P60 VE 10  | 760 x 40            | P 60   | 10 | 438.480   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ZI-P80 VE 10  | 760 x 40            | P 80   | 10 | 438.499   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ZI-P120 VE 10 | 760 x 40            | P 120  | 10 | 438.502   | -            | ■                | ■                 | -         | -            | -           | -          |
| Sanding belt<br>CERAFLEX<br>         | Flexible high-performance sanding belt for optimum sanding performance, with high abrasion performance and an extremely long service life thanks to self-sharpening, micro-crystalline ceramic grit for preliminary and intermediate sanding on stainless steel surfaces. Cool sanding thanks to additional multi-bonding. | 760x40 CE-K60 VE 10  | 760 x 40            | K 60   | 10 | 438.510   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 CE-K80 VE 10  | 760 x 40            | K 80   | 10 | 438.529   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 CE-K120 VE 10 | 760 x 40            | K 120  | 10 | 438.537   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
| Sanding belt<br>CORUFLEX<br>       | Highly flexible sanding belt with annealed corundum grit and active-sanding agents for finishing stainless steel. Particularly suitable for finish sanding.                                                                                                                                                                | 760x40 CR-P80 VE10   | 760 x 40            | P 80   | 10 | 326.739   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 CR-P120 VE10  | 760 x 40            | P 120  | 10 | 326.755   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 CR-P180 VE10  | 760 x 40            | P 180  | 10 | 434.906   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 CR-P240 VE10  | 760 x 40            | P 240  | 10 | 434.914   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
| Sanding belt<br>MESHFLEX<br>       | For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.                                                  | 760x40 ME-A100 VE3   | 760 x 40            | A 100  | 3  | 326.895   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ME-A240 VE3   | 760 x 40            | A 240  | 3  | 326.879   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 ME-A400 VE3   | 760 x 40            | A 400  | 3  | 326.852   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
| Superfinishing band<br>            | For high-gloss polishing without polishing agents in two steps.                                                                                                                                                                                                                                                            | 760x40 SU-S600       | 760 x 40            | S 600  | 1  | 326.917   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            | 760x40 SU-S1500      | 760 x 40            | S 1500 | 1  | 326.933   | -            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
| Sanding arm, 9 mm,<br>pointed<br>  | For extremely tight spaces. Application cases: Sanding wedge seams (small radius), sanding down corrosion spots, smoothen tight contours, deburring edges, sanding banisters, sanding groove gaps for tongue-and-groove boards. Adjustable sanding arm for length of 520 and 533 mm.                                       |                      | 25 Ø x 9            |        | 1  | 256.525   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
| Sanding arm, 9 mm,<br>cambered<br> | For angles and tight spaces. Application cases: Sanding wedge seams (large radius), deburring edges, sanding banisters, sanding groove gaps for tongue-and-groove boards. Adjustable sanding arm for length of 520 and 533 mm.                                                                                             |                      | 25 Ø x 9            |        | 1  | 256.532   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                       |                                                                                                                                                                                                                                                                                                                            |                      |                     |        |    |           |              |                  |                   |           |              |             |            |

## Metal surface finishing

### Accessories

2

Metal surface finishing

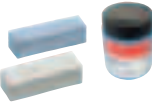
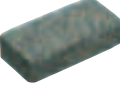
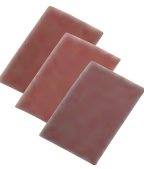
| Type                                                                                                                                                                                                                                                                                                                                                                               | Description                                                                                                                                                                                                                                                                                                                | Designation         | Dimensions<br>in mm | Grit  | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|-------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|
| Sanding arm, 30 mm, small roller<br>                                                                                                                                                                                                                                                              | For edges and surfaces. Application cases: Sanding butt seam welds, deburring edges, sanding surfaces, removing rust. Adjustable sanding arm for length of 520 and 533 mm.                                                                                                                                                 |                     | 20 Ø x 30           |       | 1  | 255.282   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
| Sanding arm, 30 mm, large roller<br>                                                                                                                                                                                                                                                              | For pipes and curves. Application cases: Sanding weld seams on pipes, sanding down radii and transitions, deburring. Adjustable sanding arm for length of 520 and 533 mm.                                                                                                                                                  |                     | 30 Ø x 30           |       | 1  | 258.888   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
| Sanding belt ZIRCOFLEX<br><br><br><br> | Sanding belt with high-quality, self-sharpening zirconium corundum for a longer service life. High abrasion performance in coarse and intermediate sanding on steel and stainless steel surfaces.                                                                                                                          | 533x4 ZI-P60 VE10   | 533 x 4             | P 60  | 10 | 303.615   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x4 ZI-P80 VE10   | 533 x 4             | P 80  | 10 | 434.620   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x4 ZI-P120 VE10  | 533 x 4             | P 120 | 10 | 303.623   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 ZI-P40 VE10   | 533 x 9             | P 40  | 10 | 257.101   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 ZI-P60 VE10   | 533 x 9             | P 60  | 10 | 257.105   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 ZI-P80 VE10   | 533 x 9             | P 80  | 10 | 434.639   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 ZI-P120 VE10  | 533 x 9             | P 120 | 10 | 257.102   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 ZI-P40 VE10  | 533 x 30            | P 40  | 10 | 256.538   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 ZI-P60 VE10  | 533 x 30            | P 60  | 10 | 255.328   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 ZI-P80 VE10  | 533 x 30            | P 80  | 10 | 434.647   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 ZI-P120 VE10 | 533 x 30            | P 120 | 10 | 255.329   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 618x40 ZI-P36 VE10  | 618 x 40            | P 36  | 10 | 223.670   | -            | -                | -                 | -         | ■            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 618x40 ZI-P60 VE10  | 618 x 40            | P 60  | 10 | 223.689   | -            | -                | -                 | -         | ■            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 618x40 ZI-P80 VE10  | 618 x 40            | P 80  | 10 | 434.876   | -            | -                | -                 | -         | ■            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 618x40 ZI-P120 VE10 | 618 x 40            | P 120 | 10 | 266.132   | -            | -                | -                 | -         | ■            | -           | -          |
| Sanding belt CERAFLEX<br><br><br>                                                                                         | Flexible high-performance sanding belt for optimum sanding performance, with high abrasion performance and an extremely long service life thanks to self-sharpening, micro-crystalline ceramic grit for preliminary and intermediate sanding on stainless steel surfaces. Cool sanding thanks to additional multi-bonding. | 533x4 CE-K60 VE10   | 533 x 4             | 60    | 10 | 434.655   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x4 CE-K80 VE10   | 533 x 4             | 80    | 10 | 434.663   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x4 CE-K120 VE10  | 533 x 4             | 120   | 10 | 434.671   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 CE-K60 VE10   | 533 x 9             | 60    | 10 | 434.698   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 CE-K80 VE10   | 533 x 9             | 80    | 10 | 434.701   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x9 CE-K120 VE10  | 533 x 9             | 120   | 10 | 434.728   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            |                     |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 CE-K60 VE10  | 533 x 30            | 60    | 10 | 434.736   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 CE-K80 VE10  | 533 x 30            | 80    | 10 | 434.744   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                            | 533x30 CE-K120 VE10 | 533 x 30            | 120   | 10 | 434.752   | -            | -                | -                 | ■         | -            | -           | -          |

■ suitable  
- not suitable

| Type                                                                                                                                                                                                                                                                                                                                                                         | Description                                                                                                                                                                                                                                                               | Designation         | Dimensions<br>in mm | Grit   | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|
| Sanding belt<br>CORUFLEX<br><br><br><br> | Highly flexible sanding belt with annealed corundum grit and active-sanding agents for finishing stainless steel. Particularly suitable for finish sanding.                                                                                                               | 533x4 CR-P120 VE10  | 533 x 4             | P 120  | 10 | 434.760   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x4 CR-P180 VE10  | 533 x 4             | P 180  | 10 | 434.779   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x4 CR-P240 VE10  | 533 x 4             | P 240  | 10 | 434.787   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x9 CR-P120 VE10  | 533 x 9             | P 120  | 10 | 434.795   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x9 CR-P180 VE10  | 533 x 9             | P 180  | 10 | 434.809   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x9 CR-P240 VE10  | 533 x 9             | P 240  | 10 | 434.817   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 CR-P120 VE10 | 533 x 30            | P 120  | 10 | 434.825   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 CR-P180 VE10 | 533 x 30            | P 180  | 10 | 434.833   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 CR-P240 VE10 | 533 x 30            | P 240  | 10 | 434.841   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 618x40 CR-P180 VE10 | 618 x 40            | P 180  | 10 | 434.884   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 618x40 CR-P240 VE10 | 618 x 40            | P 240  | 10 | 434.892   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
| Sanding belt<br>MESHFLEX<br><br><br>                                                                                | For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics. | 533x9 ME-A240 VE3   | 533 x 9             | A 240  | 3  | 318.663   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x9 ME-A400 VE3   | 533 x 9             | A 400  | 3  | 318.671   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 ME-A100 VE3  | 533 x 30            | A 100  | 3  | 434.868   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 ME-A240 VE3  | 533 x 30            | A 240  | 3  | 318.647   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 ME-A400 VE3  | 533 x 30            | A 400  | 3  | 318.655   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 618x40 ME-A100 VE3  | 618 x 40            | A 100  | 3  | 317.969   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 618x40 ME-A240 VE3  | 618 x 40            | A 240  | 3  | 317.977   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 618x40 ME-A400 VE3  | 618 x 40            | A 400  | 3  | 317.985   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
| Superfinishing band<br>                                                                                                                                                                                                                                                                   | For high-gloss polishing without polishing agents in two steps.                                                                                                                                                                                                           | 533x30 SU-S600      | 533 x 30            | S 600  | 1  | 318.132   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           | 533x30 SU-S1500     | 533 x 30            | S 1500 | 1  | 318.140   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
| Felt belt, 9 mm<br>                                                                                                                                                                                                                                                                       | For polishing stainless steel surfaces.                                                                                                                                                                                                                                   |                     | 533 x 9             |        | 1  | 259.420   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
| Felt belt, 30 mm<br>                                                                                                                                                                                                                                                                      | For polishing stainless steel surfaces.                                                                                                                                                                                                                                   |                     | 533 x 30            |        | 1  | 259.419   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                     |                     |        |    |           |              |                  |                   |           |              |             |            |

## Metal surface finishing

### Accessories

| Type                                                                                | Description                                                                                                                                                                                                                         | Designation | Dimensions<br>in mm | Grit  | QP    | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|-------|-------|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|
|    | For polishing stainless steel surfaces.                                                                                                                                                                                             |             | 618 x 40            |       | 1     | 255.003   | -            | -                | -                 | -         | ■            | -           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|    | Pre-polishing paste, white, 700 g.                                                                                                                                                                                                  |             |                     |       | 1     | 255.004   | -            | -                | -                 | -         | -            | -           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|    | High gloss paste blue, 700 g.                                                                                                                                                                                                       |             |                     |       | 1     | 255.005   | -            | -                | -                 | -         | -            | -           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|   | Finishing cream, box 1 kg.                                                                                                                                                                                                          |             |                     |       | 1     | 255.006   | -            | -                | -                 | -         | -            | -           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|  | Polishing set, consisting of: polishing paste white, polishing paste blue, 100 g each and polishing cream, 100 g.                                                                                                                   | PP-W/B/C    |                     |       | 1 set | 365.041   | -            | -                | -                 | -         | -            | -           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|  | Professional sanding discs: hot-compressed compact sanding discs for stainless steel, metal, and other materials in 2 different thicknesses and hardnesses: the hard sanding disc is used for grinding, the soft one for polishing. |             | 152 x 3 x 25        | soft  | 1     | 313.416   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             | 152 x 3 x 25        | hard  | 1     | 313.424   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             | 152 x 6 x 25        | soft  | 1     | 313.432   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             | 152 x 6 x 25        | hard  | 1     | 313.440   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|  | For pre-profiling the compressed sanding discs.                                                                                                                                                                                     |             |                     |       | 1     | 315.494   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|  | For tool-less disc change, suitable for discs from Ø 115-150 mm.                                                                                                                                                                    |             |                     |       | 1     | 313.459   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |
|  |                                                                                                                                                                                                                                     |             | 39 x 60             | P 60  | 10    | 258.299   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                     |                                                                                                                                                                                                                                     |             | 39 x 60             | P 120 | 10    | 258.300   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                     |                                                                                                                                                                                                                                     |             | 39 x 60             | P 180 | 10    | 258.301   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                     |                                                                                                                                                                                                                                     |             |                     |       |       |           |              |                  |                   |           |              |             |            |

■ suitable  
- not suitable

| Type                                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Designation             | Dimensions<br>in mm | Grit  | QP | Order no. | BSE 14-3 100 | BRE 14-3 125 Set | BSE 14-3 INOX Set | FBE 8-140 | LBR 1506 VRA | LLK 1503 VR | ST 1005 VE |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|-------|----|-----------|--------------|------------------|-------------------|-----------|--------------|-------------|------------|
| Velcro sanding fleece<br>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | 39 x 60             | A 240 | 10 | 258.302   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
| Polishing shoe,<br>square<br>      | With Velcro polishing cushion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Polishing shoe, square  |                     |       | 1  | 258.031   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
| Polishing shoe,<br>pointed<br>    | With Velcro backing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Polishing shoe, pointed |                     |       | 1  | 255.265   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
| Carrying case L-BOXX®<br>        | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert. | TK-L 238                |                     |       | 1  | 414.093   | ■            | ■                | ■                 | ■         | -            | ■           | -          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
| Case insert                                                                                                         | Matching insert for BSE/BRE/BSE INOX 14-3 for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TKE BSE/BRE14-3         |                     |       | 1  | 433.918   | ■            | ■                | ■                 | -         | -            | -           | -          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     | Matching insert for FBE 8-140 for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TKE FBE 8-140           |                     |       | 1  | 436.623   | -            | -                | -                 | ■         | -            | -           | -          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     | Matching insert for LLK 1503 VR for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TKE LLK 1503            |                     |       | 1  | 436.658   | -            | -                | -                 | -         | -            | ■           | -          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
| Carrying case<br>with insert<br> | Impact-resistant plastic case with matching insert for LBS1105 VE, ST 1005 VE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                     |       | 1  | 319.074   | -            | -                | -                 | -         | -            | -           | ■          |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                     |       |    |           |              |                  |                   |           |              |             |            |



## Keen to cut pipes, profiles and angles:

Whether renovating and restoring or cutting different materials – the robust reciprocating, circular and band saws from FLEX are characterised by their powerful and precise cuts.

The FLEX reciprocating saws feature powerful and robust motors for rapid work progress and long service life. The variable speed settings allow the speed to be adjusted optimally to the corresponding workpiece. The accelerator switch enables sensitive start-sawing when making the first cut.

The metal band saw SBG 4910 offers greater flexibility. It can be activated and hand-controlled with a saw bench or by a simple handle on the saw bench.

The CS 60 WET diamond stone cutter is the ideal machine for stonemasons, kitchen and shop fitters and tilers who have to make precise and clean separating and mitre cuts in natural and artificial stone; the machine can also be used in gardening and landscaping (from page 344).



## FLEX saws for the professional

| Type                                                                                                                                      | Metal pipes | Metal profiles | Solid metal | Sheet metal | Steel grating | Timber | Chipboard/OSB | Gypsum/cement/<br>concrete | Aluminium | Acrylic glass | Natural stone | Artificial stone |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|-------------|-------------|---------------|--------|---------------|----------------------------|-----------|---------------|---------------|------------------|
|  Reciprocating saw<br>S 2902 VV                          | ••          | ••             | •           | •           |               | •      | •             | •                          | •         |               |               |                  |
|  Reciprocating saw<br>SKE 2902 VV                        | ••          | ••             | •           | •           |               | ••     | •             | •                          | •         |               |               |                  |
|  Reciprocating saw<br>RS 11-28                          | ••          | ••             |             | •           |               | ••     | •             | •                          |           |               |               |                  |
|  Cordless reciprocating saw<br>RS 29 18.0<br>(Page 95) | ••          | ••             |             | •           |               | ••     | •             | •                          |           |               |               |                  |
|  Pipe sabre saw SR 602 VV                              | ••          | ••             | •           |             |               |        |               |                            | •         |               |               |                  |
|  Pipe sabre saw SK 602 VV                              | ••          | ••             | •           |             |               |        |               |                            | •         |               |               |                  |
|  Metal-cutting band saw<br>SBG 4910                    | ••          | ••             | ••          |             |               |        |               |                            | ••        |               |               |                  |
|  Metal-cutting circular saw<br>CSM 4060                | •           | •              |             | ••          | ••            |        |               |                            | ••        |               |               |                  |
|  Wet stone cutter CS 60 WET<br>(Page 344)              |             |                |             |             |               |        |               |                            |           |               | ••            | ••               |

- highly suitable, highly recommended
- suitable, recommended





## The robust, powerful 1100 watt reciprocating saw for those tough jobs on the building site.

The reciprocating saw RS 11-28 impresses with its robustness, extreme operator comfort and versatility. Even in the toughest jobs, the powerful 1100 watt motor guarantees quick and powerful cuts, for example to shorten metal pipes, cut timber beams to size, saw out old window frames and much more. The depth stop can be adjusted without tools and limits the saw blade's plunge depth. Thanks to toolless saw blade changing, used saw blades can be changed easily and quickly. In addition, the rubberised gear case ensures pleasant working and a secure grip.



### Accelerator trigger switch

For a sensitive and precise initial cut.



### Saw blade quick change system

For quick and easy saw blade changing without tools.



### Everything under control

Rubberised gear case for a secure and pleasant grip.



### Optimum support

Tool-free, detachable, swivelling saw support with depth adjustment for user-friendly working.



### Softgrip

Ergonomically designed, non-slip and rubberised handle for more comfortable working.



### At the press of a button

The saw support can be locked and unlocked simply by pressing a button. For adjusting the cutting position on the saw blade for greater economy.



### Let there be light!

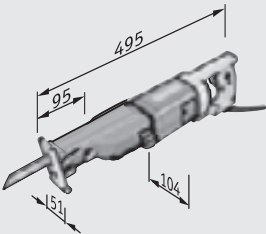
Integrated LED lamp for improved visibility of the workpiece even under difficult conditions.

Saws  
SR 602 VV



SPECIFICATIONS

|                     |            |
|---------------------|------------|
| Orbit rate, no load | 0-2400 opm |
| Orbit               | 27 mm      |
| Power input         | 1300 watt  |
| Power output        | 850 watt   |
| Cable length        | 4,0 m      |
| Weight              | 4,4 kg     |



Variable-speed pipe sabre saw with pipe clamp

- Highly efficient and resilient motor for more power output
- VV electronic control: with constant stroke control, soft start with continuous speed control trigger, overload protection and speed selector wheel
- Orbital stroke: switch activated
- For sawing pipes up to 4" at an exact right angle, without exerting high force
- Extremely rugged and powerful version with large rectangular thrust bar for high loading when used with a pipe clamp or chain clamping fixture

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>SR 602 VV</b>                | <b>278.866</b> |
| 1 side handle                   | 198.633        |
| 1 hexagon socket wrench, SW 4   | 211.494        |
| 1 standard cutting support      | 254.926        |
| 1 assortment of saw blades      | 1 set          |
| 1 pipe clamp for pipes up to 2" | 259.983        |
| 1 carrying case                 | 329.908        |



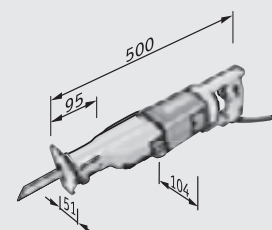
### Variable-speed sabre saw with pipe cutting support

- Highly efficient and resilient motor for more power output
- VV electronic control: with constant stroke control, soft start with continuous speed control trigger, overload protection and speed selector wheel
- Orbital stroke: switch activated
- Standard cutting support
- Adjustable pipe cutting support for pipes up to 1 1/2 "
- Acceleration trigger: sensitive sawing at the first cut
- With reinforced recip shaft guide and adjustable saw stop



### SPECIFICATIONS

|                     |            |
|---------------------|------------|
| Orbit rate, no load | 0-2400 opm |
| Orbit               | 27 mm      |
| Power input         | 1300 watt  |
| Power output        | 850 watt   |
| Cable length        | 4,0 m      |
| Weight              | 3,9 kg     |



| Standard equipment                | Order no.      |
|-----------------------------------|----------------|
| <b>SK 602 VV</b>                  | <b>282.308</b> |
| 1 side handle                     | 198.633        |
| 1 hexagon socket wrench, SW 4     | 211.494        |
| 1 standard cutting support        | 210.935        |
| 1 assortment of saw blades        | 1 set          |
| 1 spare clamp for sabre saw blade | 205.788        |
| 1 pipe cutting support            | 217.689        |
| 1 carrying case                   | 329.908        |

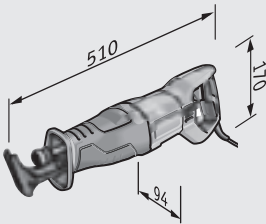


Saws  
RS 11-28



SPECIFICATIONS

|                                 |            |
|---------------------------------|------------|
| Orbit rate, no load             | 0-2700 opm |
| Orbit                           | 28 mm      |
| Power input                     | 1100 watt  |
| Power output                    | 600 watt   |
| Max. material thickness, timber | 230 mm     |
| Max. material thickness, metal  | 20 mm      |
| Cable length                    | 4,0 m      |
| Weight                          | 3,6 kg     |



**1100 watt universal reciprocating saw with accelerator trigger switch**

- VV electronic control: with constant stroke control, soft start with continuous speed control trigger
- Universal saw blade holder: for an easy saw blade exchange
- Saw blade can be turned through 180°
- Detachable, swivelling saw support, depth adjustable tool free
- Ergonomically designed, non-slip, soft grip handle
- Rubberised gear case for a secure and pleasant grip
- Dust- and splash-proof housing
- Integrated LED light

| Standard equipment         | Order no. |
|----------------------------|-----------|
| RS 11-28                   | 432.776   |
| 1 assortment of saw blades | 198.757   |
| 1 carrying case            | 436.607   |



### 1200 watt universal reciprocating saw with accelerator trigger switch

- VV electronic control: with constant stroke control, soft start with continuous speed control trigger
- Durable 1200 watt high-performance motor
- Soft-grip handle: eliminates most of the vibration and ensures non-slip handling
- Saw blade reverses to allow over-head sawing

#### For S 2902 VV

- Universal saw blade holder: for an easy saw blade exchange
- Tilt-adjustable saw support for accurate application to workpiece

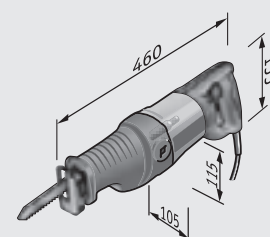
#### For SKE 2902 VV

- Orbital stroke: switch activated, especially for fast sawing through wood
- Quick-Change: Exchange saw blades quickly without tools with the stainless steel saw blade tool holder
- Tilt-adjustable saw support for accurate application to workpiece, with 4-step tool-free depth adjustment



#### SPECIFICATIONS

|                     |            |
|---------------------|------------|
| Orbit rate, no load | 0-2600 opm |
| Orbit               | 28 mm      |
| Power input         | 1200 watt  |
| Power output        | 670 watt   |
| Cable length        | 4,0 m      |
| Weight S 2902 VV    | 3,8 kg     |
| Weight SKE 2902 VV  | 4 kg       |

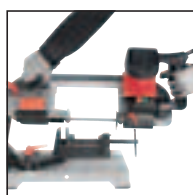


| Standard equipment                | Order no.      |
|-----------------------------------|----------------|
| <b>S 2902 VV</b>                  | <b>307.779</b> |
| 1 assortment of saw blades        | 198.757        |
| 1 hexagon socket wrench, SW 3/16" | 259.648        |
| 1 hexagon socket wrench, SW 5/32" | 802.876        |
| 1 carrying case                   | 913.047        |
| <b>SKE 2902 VV</b>                | <b>331.678</b> |
| 1 assortment of saw blades        | 198.757        |
| 1 carrying case                   | 912.880        |



## Practical metal band saw with swivel-action saw frame.

The metal band saw SBG 4910 has a powerful and reliable 850 watt motor. The pivoted linkage can be steplessly adjusted without using tools for angle cuts of 0°–45°. The 3-point saw band guide on ball bearings delivers an optimum cut. The SBG 4910 stands on four rubber feet. This provides non-slip stability and also prevents vibrations and resonance noise in the working environment. A solid baseplate ensures vibration-free and safe sawing work.



### Released

Can be used with saw bench or even hand-controlled.



### Safety first

Safety switch to prevent the power tool from unintentionally switching on again following a power failure.



### Always in control

Additional handle for portable use.



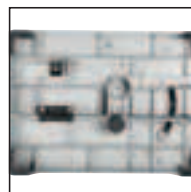
### Ergonomic

The SBG 4910 has a large switch with a lock. The ergonomic handle facilitates safe guidance in both stationary and freehand work.



### Clamped

Robust machine table and vice with prismatic guide for clamping workpieces securely and reliably.



### Tidy

The stop is on the underside of the saw bench. Simple assembly. Included in the standard equipment.



### Two belt speeds

for sawing solid and hollow profiles. Working without cooling fluids.



### Always at the correct angle

Continuous tool-free adjustment of the cutting angle from 0° – 45°



### Perfect cut

3-point ball-bearing bandsaw blade guide for optimum blade control



### Mobile

Easy swivel-action saw arm for optimum guidance.



### At the stop

The parallel stop included in the scope of delivery is ideal for series cuts up to 335 mm in length. It is simply fixed onto the saw bench.



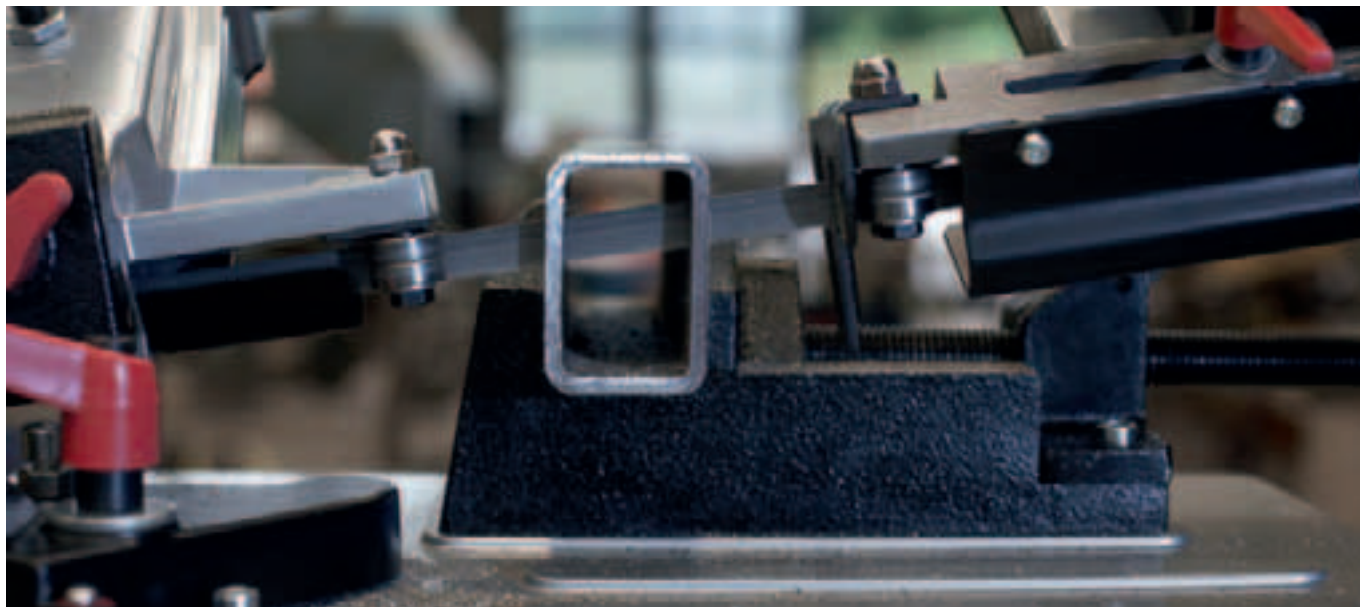
## SBG 4910. For portable or stationary use

Offers more freedom when sawing



The ergonomic handle facilitates safe guidance in both stationary and freehand work. The SBG 4910 has a dovetail clamp for clamping the saw without using tools and without play following freehand use. The transportation lock fixes the saw on the bench and thereby prevents transport damage.

## Working without cooling fluids



The quick-action vice has a trapezoidal thread to securely hold the workpieces and to save time when clamping and unclamping. As a practical accessory, FLEX supplies the matching magnetic plastic protective jaws with prism to clamp sensitive materials both securely and gently. Using the protective jaws reduces the cutting distance to 15 mm.



### Quick and precise

The pivoted linkage can be steplessly adjusted without using tools for precise angle cuts of  $0^{\circ}$ – $45^{\circ}$ . Simple locking fixes and levels the saw band quickly. Optimum guidance is possible even with small workpiece dimensions, thanks to the variable saw band guide.



### Speed to suit the material

The sawing speeds to suit the material (60 or 80 m/min) can be easily adjusted with the 2-stage switch.



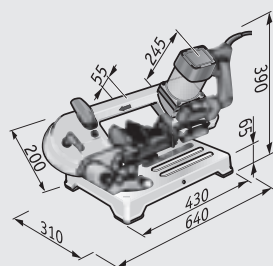
## Saws

### SBG 4910



#### SPECIFICATIONS

|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| Power input                                                       | 850 watt             |
| Power output                                                      | 445 watt             |
| Dimensions of saw band                                            | 1335x13x0,65 mm      |
| Belt speed                                                        | 60 / 80 m/min        |
| Size ( W x L x H )                                                | 640x310x390 mm       |
| Max. cutting range:<br>round cross sectional cut at 45°/90°       | 68 mm / 80 mm        |
| Max. cutting range:<br>square cross sectional cut at 45°/90°      | 60 mm / 80 mm        |
| Max. cutting range:<br>rectangular cross sectional cut at 45°/90° | 68x55 mm / 100x80 mm |
| Cable length                                                      | 4,0 m                |
| Weight of saw arm                                                 | 7,9 kg               |
| Weight (complete unit)                                            | 18,0 kg              |



#### Metal-cutting band saw with swivelling saw frame

- 2 belt speeds: for sawing solid and hollow sections
- Recommended belt speeds: Step I: solid steel, stainless steel, aluminium; Step II: steel, stainless steel, aluminium tubes
- Cutting without a stand: with 90° straight cut, round and square section, max. 80 mm, rectangular section max. 100 x 80 mm, freehand use 150 x 80 mm
- Continuous tool-free adjustment of the cutting angle from 0° - 45°
- With stand, easy release for freehand use
- 3-point ball-bearing bandsaw blade guide for optimum blade control
- With bracket locking device: for mobile applications and easy transport
- Safety switch: prevents uncontrolled reactivation following power interruptions
- Work without coolant
- Especially in fire hazardous surroundings the SBG for spark free cutting of metal

#### Standard equipment

#### Order no.

|                        |                |
|------------------------|----------------|
| <b>SBG 4910</b>        | <b>390.518</b> |
| 1 parallel guide fence | 385.247        |
| 1 bimetal saw blade    | 1 piece        |

Accessories from page 75



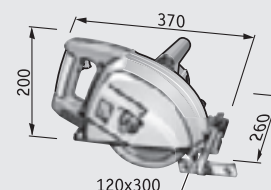
### Metal-cutting circular saw for dry cutting

- For accurate metal cutting without coolant
- Tool-free adjustable guide plate, continuous saw depth adjustment to 63 mm
- Chip collection compartment with sight glass: large capacity, tool-free emptying
- Special carbide-tipped saw blades: nearly burr-free cuts, trimming threaded bars possible without recutting the thread
- Spindle lock
- Switch: with lock-off / lock-on switch
- Solid material / flat steel: 6 mm; -Round material: 20 mm;  
- Hollow sections: 63 mm



### SPECIFICATIONS

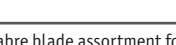
|                                                            |           |
|------------------------------------------------------------|-----------|
| Blade Ø                                                    | 185 mm    |
| Saw blade drill Ø                                          | 20 mm     |
| Max. cutting depth (90°)                                   | 0-63 mm   |
| Max. material thickness in steel 400 N/mm <sup>2</sup>     | 6 mm      |
| Max. material thickness in aluminium 250 N/mm <sup>2</sup> | 10 mm     |
| No load speed                                              | 3800 rpm  |
| Power input                                                | 1400 watt |
| Power output                                               | 720 watt  |
| Cable length                                               | 4,0 m     |
| Weight                                                     | 5,4 kg    |



| Standard equipment                                               | Order no.      |
|------------------------------------------------------------------|----------------|
| <b>CSM 4060</b>                                                  | <b>307.815</b> |
| 2 carbide tipped saw blades for steel,<br>38 teeth (185 x 20 mm) | 312.304 (2x)   |
| 1 parallel guide fence                                           | 312.312        |
| 1 ring / open-ended wrench                                       | 312.347        |
| 1 safety glasses                                                 | 1 piece        |
| 1 carrying case                                                  | 1 piece        |

## Saws

### Accessories

| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Description                                                                                                         | Teeth per inch | Length in mm | QP | Order no. | SR 602 VV | SK 602 VV | RS 11-28 | S 2902 VV | SKE 2902 VV | SBG 4910 | CSM 4060 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|--------------|----|-----------|-----------|-----------|----------|-----------|-------------|----------|----------|
| Pipe saw blades<br><br><br><br><br>                                                                                                                                | Pipe Ø up to 2", wall thickness from 3.0 mm.                                                                        | 8              | 150          | 5  | 252.329   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pipe Ø up to 4", wall thickness from 3.0 mm.                                                                        | 8              | 210          | 5  | 251.620   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pipe Ø up to 6", wall thickness from 3.0 mm (only with chain clamp fixture).                                        | 8              | 275          | 5  | 252.167   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Plastic pipe up to 125 mm Ø.                                                                                        | 18             | 230          | 5  | 252.136   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Plastic pipe up to 200 mm Ø.                                                                                        | 18             | 310          | 5  | 252.137   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
| Chain clamp fixture<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Fits for steel pipes from 13 mm to 150 mm and plastic pipes up to 200 mm.                                           |                |              | 1  | 251.259   | ■         | -         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
| Sabre saw blades for metal and sheet material<br><br><br><br><br><br> | Universal use for steel, V2A and hard metals, 1.15 mm and more, bi-metal.                                           | 18             | 100          | 5  | 200.700   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Universal use for steel, V2A and hard metals, 1.15 mm and more, bi-metal.                                           | 18             | 150          | 5  | 200.735   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Universal use for steel, V2A and hard metals, 3.0 mm and more, bi-metal.                                            | 14             | 150          | 5  | 200.727   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Hard metals, 1.15 mm and thinner, bi-metal.                                                                         | 24             | 150          | 5  | 200.743   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Long metal blade 3 - 10 mm, bi-metal. For steel hollow section pipes, V2A, plastics pipes (also for pallet repair). | 10             | 280          | 5  | 201.928   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Hard metals, 3.0 mm and thicker (also for pallet repair), bi-metal.                                                 | 14             | 200          | 5  | 217.190   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
| Sabre saw blade for wood, plaster, porous concrete and other applications<br><br><br><br><br>                                                            | Wood with nails, bi-metal.                                                                                          | 10             | 150          | 5  | 200.778   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Wooden board (coarse/standard cuts).                                                                                | 6              | 300          | 5  | 201.936   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Coarse rapid cuts in wood.                                                                                          | 3              | 225          | 5  | 250.054   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Plaster, porous concrete, eternit, non-ferrous metal, glass-fiber reinforced plastic, carbide tipped.               | 6              | 150          | 1  | 202.061   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Plaster, porous concrete, eternit, non-ferrous metal, glass-fiber reinforced plastic, carbide tipped.               | 3              | 300          | 1  | 206.210   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
| Sabre blade assortment for plastic/wood/metal<br><br>                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                     |                | 150          | 3  | 198.757   | -         | ■         | ■        | ■         | ■           | -        | -        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                     |                |              |    |           |           |           |          |           |             |          |          |

■ suitable  
- not suitable

| Type                                                                                                                                                                                                                                                                           | Description                                                                                                                                                                                                                                                                                       | Designation                    | Size<br>(W x L x H) | Teeth<br>per inch | QP | Order no. | SR 602 VV | SK 602 VV | RS 11-28 | S 2902 VV | SKE 2902 VV | SBG 4910 | CSM 4060 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------|-------------------|----|-----------|-----------|-----------|----------|-----------|-------------|----------|----------|
| Plastic multi-carrying case<br>                                                                                                                                                               | Perfect fitting, impact resistant carrying case for L 3206 CD, L 3208 CD, L 21-6 230, L 24-6 230, LD 3206 C, SR 602 VV, SK 602 VV, LD 18-7 125/150 R, LD 24-6 180.                                                                                                                                | TK-S Multi                     |                     |                   | 1  | 329.908   | ■         | ■         | -        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
| Carrying case                                                                                                                                                                                                                                                                  | Impact-resistant plastic carrying case for the RS 11-28.                                                                                                                                                                                                                                          | TK-S RS 11-28                  |                     |                   | 1  | 436.607   | -         | -         | ■        | -         | -           | -        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
| Saw blades<br><br><br> | Bi-metallic saw bands with positive cutting angle for rapid work progress thanks to optimised machining performance with improved cutting accuracy and maximum service life. Suitable for thick-walled pipes, flat and square steel, round steel, bundled material as well as non-ferrous metals. | SB 1335x13x0,65 Bi-M42 18 VE2  | 1335 x 13 x 0,65    | 18                | 2  | 399.485   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                | Bi-metal sawband for steel, stainless steel, non-ferrous and aluminium. Saw band with vario-tooth pitch. For extreme vibration free working, with positive rake angle for optimal cutting power and cost effectiveness.                                                                           | SB 1335x13x0,65 Bi-M 8/12 VE3  | 1335 x 13 x 0,65    | 8/12              | 3  | 359.289   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   | SB 1335x13x0,65 Bi-M 10/14 VE3 | 1335 x 13 x 0,65    | 10/14             | 3  | 359.130   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                | Sawband from tool steel with extra hardened teeth, especially aligned for thin walled cross sections and profiles.                                                                                                                                                                                | SB 1335x13x0,65 WS 18 VE3      | 1335 x 13 x 0,65    | 18                | 3  | 359.106   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   | SB 1335x13x0,65 WS 24 VE3      | 1335 x 13 x 0,65    | 24                | 3  | 359.270   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
| Chuck jaws<br>                                                                                                                                                                              | Protective plastic jaws with magnet, suitable for SBG 4908 and 4910, with prism, for the secure clamping of materials with sensitive surfaces. By using protective jaws, the cutting distance on the SBG 4910 is reduced to 15 mm.                                                                | SBG-SP 10 VE2                  |                     |                   | 2  | 388.718   | -         | -         | -        | -         | -           | ■        | -        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
| Carbide tipped saw blade for steel<br>                                                                                                                                                      | Enables a practically burr-free cut, no touching up is necessary.                                                                                                                                                                                                                                 |                                | 185 Ø x 20          | 38                | 1  | 312.304   | -         | -         | -        | -         | -           | -        | ■        |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |
|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                   |                                |                     |                   |    |           |           |           |          |           |             |          |          |

The innovative cordless range from FLEX



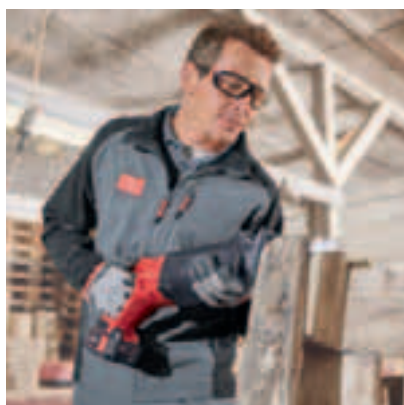
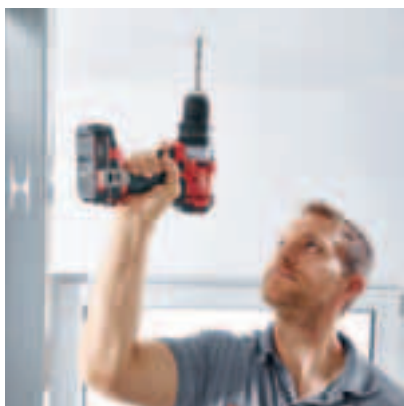




## Unique innovation

FLEX is introducing a new range of cordless tools that are setting new quality and performance standards thanks to their fully-developed machine and battery concept. Even when power requirements are higher, i.e. large screwing and drilling diameters, the special system ensures long running times.

A unique innovation forms the basis for the good performance of FLEX cordless tools. The battery cells are jacketed with a cooling material that actively reduces the build-up of heat. The “KEEP COOL™ technology” impresses with a measurably longer battery run time. The innovative heat management is controlled by an integrated Electronic Management System that coordinates charging and discharging between the battery pack, the cordless tool and the rapid charger via a constant exchange of data.





## KEEP COOL™ technology

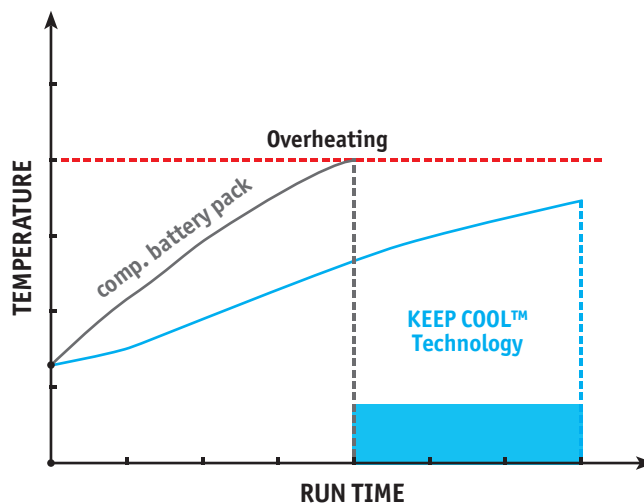
### Innovative and efficient battery cooling system

#### Efficient and superior thanks to innovative technology.

The battery cells increasingly heat up the more they discharge (e.g. during screwing). This is a normal process that can quickly cause a shutdown by an overheating protection function when particularly high work demands are placed on the battery pack. The new FLEX "KEEP COOL™ technology" has created a possibility to delay this.

The active cooling with the innovative cell jacket not only delivers a significantly longer battery run time, it also increases the service life of the battery pack.

The integrated cooling technology is a patented cell layer that changes its aggregate state, thereby allowing it to absorb surplus heat.

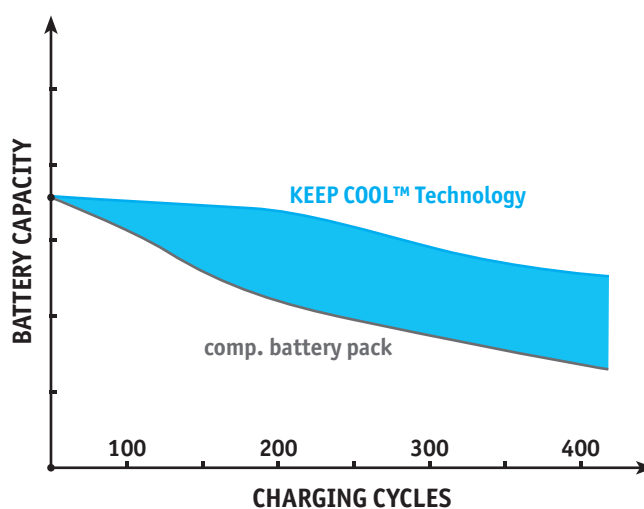


The KEEP COOL™ technology actively prevents overheating of the batteries. This enables the battery to draw on all of its full power over longer running periods.



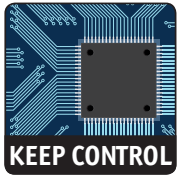
#### High-performance battery cells

The new FLEX high-performance cells utilise the full battery capacity and thus allowing longer battery run times.



A large number of charging cycles can damage battery packs. They lose their capacity and their service life is increasingly reduced. Here too, the KEEP COOL™ technology significantly reduces the loss of capacity and thereby also increases the battery's service life.





## KEEP CONTROL technology

### Intelligent battery management system

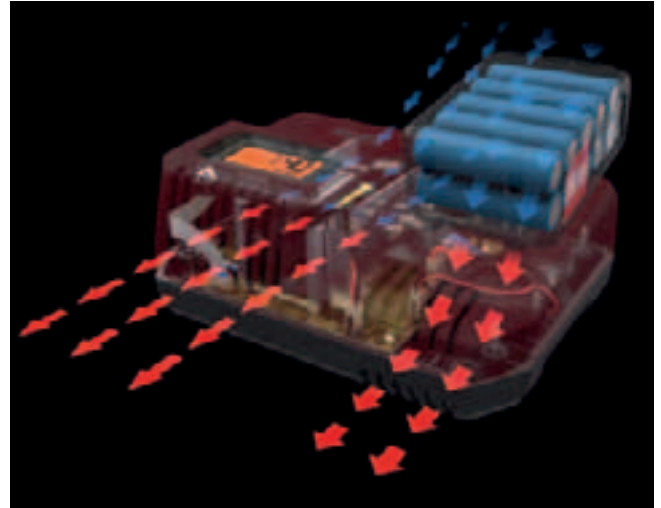
#### Everything under control!

The battery management system based on MCU (Micro Controller Unit) technology monitors the current, voltage and temperature, and controls the charging process. All protective functions are programmable and are adapted to the functions and applications of the respective model type.

#### Who's actually monitoring whom, and why?

While the battery is being discharged, in other words during work, the electronics in the battery pack monitors and measures the cell voltage and the temperature, and this data is sent to the tool. The electronics in the tool monitors and measures the current.

During charging, the electronics in the battery pack monitors and measures the voltage, temperature and current, and thereby controls the charging parameters. The electronics in the battery pack evaluates the charging status and decides which charging cycle follows with which parameters. This command to perform the charging is sent to the charger.



The charger precisely follows the instructions of the battery pack. The result is situation-dependent and therefore gentle charging of the battery pack. This significantly increases the service life of the battery pack.



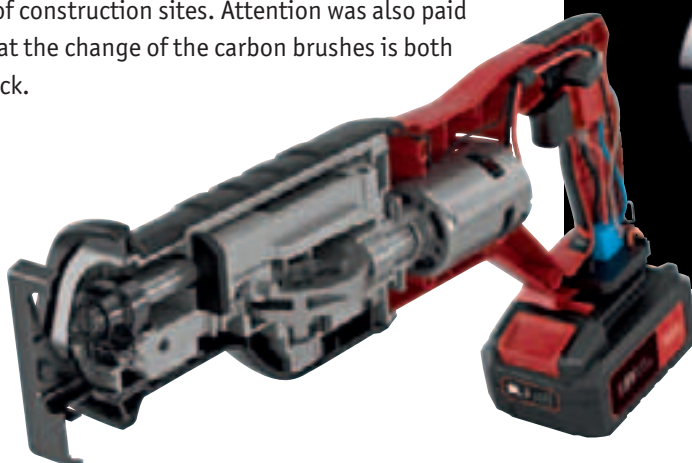




## High-performance brush motors

### Powerful and reliable

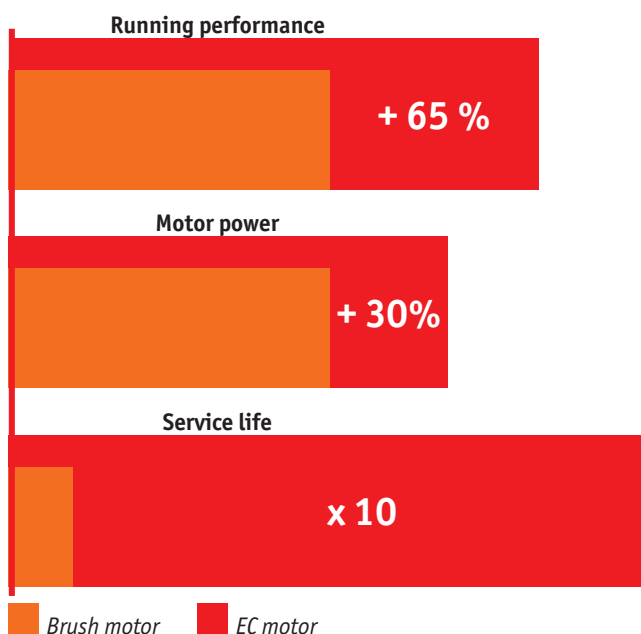
The powerful and reliable high-performance brush motors impress with a high power output, quiet running and reliability. The motors were specially designed for the demanding requirements of construction sites. Attention was also paid to ensuring that the change of the carbon brushes is both simple and quick.



## EC high-performance motors

### Particularly efficient and maintenance-free.

The brushless EC motors from FLEX are maintenance-free and achieve significantly higher performance parameters than brush motors.

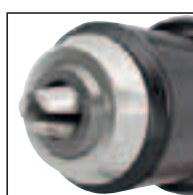






## The new FLEX drill driver, hammer drill driver and impact drill driver. Made for the toughest jobs.

The new 18.0 Volt cordless tools from FLEX impress particularly in applications where a universal, compact and powerful cordless tool is required for screwing, drilling and hammer drilling. Besides their excellent performance values, their outstanding features are their compact design, optimum ergonomics, comfortable handling and a very long service life.



### Keyless chuck

With rotation stop, for clamping shank tools  
Ø 1-13 mm.



### Soft handle

For safe, comfortable and non-slip handling.



### LED light

Integrated LED lamp for optimum illumination of the work area.



### High-performance motor

Efficient, robust and reliable motor. The carbon brushes are changed by simply removing the end cap.



### 2-speed gearbox

Electronic speed control and clockwise/anti-clockwise rotation ensure controlled and safe use. To enable the cordless drill driver's power to be optimally applied.



### Auxiliary handle

Suitable for DD 2G 18.0 and PD 2G 18.0. Available as an accessory (428.698).



### Torque adjustment

With 25 speed settings and one drill setting. To enable the cordless drill driver's power to be optimally applied. The rotary hammer drill driver PD 2G 18.0 also has a hammer function. For drilling in masonry, stone and concrete.



### Tool fixture

For holding 1/4" bits.



### Robust gear case

Long service life thanks to a robust metal gear case.



### Belt clip

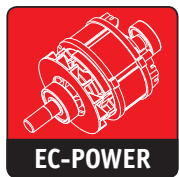
Practical belt hook ensures that the tool is always ready to hand.



### Lithium-ion technology

18.0 Volt battery packs with integrated charge indicator. Shows the charge of the battery cells at a glance. A choice of 2.5 Ah or 5.0 Ah is available.





## Compact and efficient. The new 18 V cordless rotary hammer drill CHE 18.0-EC with EC motor.

The new 18 V cordless rotary hammer drill CHE 18.0-EC with a powerful EC motor offers unlimited freedom of movement. Thanks to its outstanding power to weight ratio and compact housing design, it makes work more efficient and also lets you work for longer. The optimised hammer mechanism guarantees rapid drilling progress even when hammer-drilling in the hardest concrete.



### Brushless

Brushless high-performance EC motor: compact, dust-protected and completely maintenance free.



### Let there be light!

Integrated LED lamp with afterlight function for better visibility of the workpiece.



### The plus for drilling.

SDS-plus for tool-free and quick changing of drills and chisels.



### Always in control

Twist-proof ergonomic auxiliary handle for an optimum hold.



### Not too deep!

Steel depth stop for tool-free adjustment and control of the exact drilling depth.



### Always the correct choice.

Function switch with four functions:

- drilling
- hammer drilling
- chiselling
- chisel adjustment



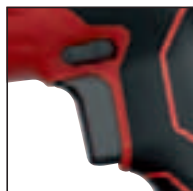
### Softgrip

Ergonomically designed, non-slip, soft grip handle



### Lithium-ion technology

18.0 Volt battery packs with integrated charge indicator. Shows at a glance the charge of the battery cells. A choice of 2.5 Ah or 5.0 Ah is available.



### Full speed!

Accelerator trigger switch with locking function for sensitive initial drilling.





## The new FLEX cordless reciprocating saw RS 29 18.0 is compact, robust and particularly hard-wearing.

The powerful high-performance motor ensures rapid progress when sawing. The LED lamp integrated in the housing provides optimum visibility of the workpiece, even in poorly illuminated corners and angles. The FLEX reciprocating saw RS 29 18.0 has a tool-free saw blade changing system for quick and convenient blade changing. The rubberised handle and the ergonomic gear housing ensure safe and comfortable working. The pendulum stroke can be activated for a high cutting speed when cutting timber.



**High-power performance motor**  
Durable and reliable high-performance motor.



**Let there be light!**  
Integrated LED lamp with afterlight function for better visibility of the workpiece.



**Softgrip**  
Ergonomically designed, non-slip and rubberised handle for more comfortable working.



**Quick-change system for the saw blades**  
For quick and easy saw blade changing without tools.



**Switch-activated pendulum stroke**  
Improved sawing performance when cutting timber.



**Accelerator trigger switch**  
With locking function for a sensitive initial cut.



**Optimum support**  
Tool-free, detachable, swivelling saw support with depth adjustment for user-friendly working.



**Lithium-ion technology**  
18.0 Volt battery packs with integrated charge indicator. Shows at a glance the charge of the battery cells. A choice of 2.5 Ah or 5.0 Ah is available.



**Everything under control**  
Rubberised gear housing for a secure and pleasant grip.



## Charging station with effective cooling for faster charging times and optimum protection of the battery packs



The charging station CA 10.8/18.0 has an interface for 18.0 V and 10.8 V battery packs. The cooling system is particularly effective and enables the batteries to be recharged within a very short time. It takes only around 30 minutes to reach 80% of the charging capacity. Thanks to the MCU technology, the battery packs and the charger are in constant communication with each other. Current, voltage, temperature and the charging process are permanently monitored and controlled. This protects the battery packs and shortens the charging times.



### Versatile

The interface is suitable for 18.0 V and 10.8 V battery packs (available shortly).



### A cool part!

Two cooling turbines provide maximum cooling of the charger and battery pack. This results in shorter waiting times before charging. The battery packs are also conserved for a longer service life.



Charging time display



Charge indicator 75%



Fully charged



### LCD display

The large-format LCD display with a charge time and charge indicator shows the remaining charge time. For the best planning capability on the construction site.

## Up to 40 hours lighting time

The new work lamp WL LED 18.0 uses 24 cold white LEDs. The light quality is optimal for all work on the construction site. It is also ideal for painting work in which a high degree of colour fidelity is required. The LED head can be swivelled through 320 degrees and tilted into the proper position through 180 degrees, which makes it flexibly adaptable to all situations: From floor to wall to ceiling work.



### No need to get in a twist!

The LED lamp head can be rotated through 320° for more flexibility on the construction site.



### Lights up every nook

The LED lamp head can be swivelled through 180° degrees. This allows almost every corner and every angle to be optimally illuminated.



### The highlight

The 24 powerful LEDs provide maximum illumination of the workplace. Lighting period:  
up to 20 hours with battery pack 18.0 V/2.5 Ah  
up to 40 hours with battery pack 18.0 V/5.0 Ah



### Hooked up

The LED lamp can be hung quickly and efficiently anywhere with the hook that is retractable and can be swivelled through 360°.



## The heating jacket with three heat levels for work and leisure.

The FLEX heating jacket is robust and keeps you warm for a particularly long time. It can also be regulated in three settings. Heating elements in the breast and lower back area provide pleasant warmth. Besides having a heating function, the jacket is also incredibly practical: Two jacket pockets and a breast pocket provide plenty of stowage space. Using the supplied adapter, power is also available via two USB ports for mobile terminal devices such as smartphones.



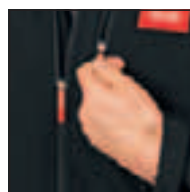
| Heating time in hrs. | 10.8 V/2.5 Ah | 10.8 V/5.0 Ah | 18.0 V/2.5 Ah | 18.0 V/5.0 Ah |
|----------------------|---------------|---------------|---------------|---------------|
| Quick Heat           | 2,5           | 5,0           | 3,5           | 7,0           |
| High                 | 4,0           | 8,0           | 5,0           | 10,0          |
| Medium               | 8,5           | 17,0          | 9,5           | 19,0          |
| Low                  | 9,5           | 19,0          | 10,5          | 21,0          |

The available sizes and the associated order numbers are on Page 96



### Keep warm

The heating jacket has a removable hood.



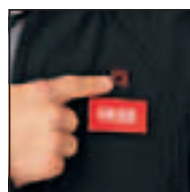
### Open and close

The rubber-lined zipper and the generously-sized zip pockets provide the right comfort.



### From here on it's hot!

The battery packs are connected via the 12 V adapter PS 10.8/18.0 included in the scope of delivery.



### The heat is on!

Three heating levels are available. The desired heat level can be set by pressing the On switch several times. The set heating level is displayed in colour.



### Compatible interface

For the holder for 10.8 V and 18.0 V battery packs.



### 12 V output voltage

For connecting to the heating jacket. The power-saving function\* switches off the power supply after 14 days of non-use.

*\* The battery pack must be released for a restart, and them pushed back in again.*

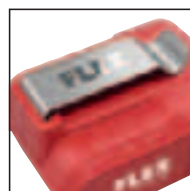


### Two USB sockets

Ideal for charging external devices such as smartphones. The charging current is 1.5 A.



Features "KEEP CONTROL technology" for protecting the battery and external devices.



### Belt clip

Robust metal clip.

## Impressively handy

Top performance and balanced ergonomics for the most demanding requirements



### Optimum handling

The compact 2-gear cordless rotary hammer drill driver PD 2G 18.0 with its light weight and its excellent ergonomics is also suitable for small to medium screwing jobs.



### Cable-free

Electric cables get in the way in many installation jobs. FLEX cordless drill drivers are ideal for these tasks.



### The power pack with a punch

The right cordless drill driver makes installation easier. The cordless impact drill driver ID ¼" 18.0 is a very practical and efficient solution for many installation jobs.



### No need to be left in the dark

Installation often has to be done in dark corners. The high-performance LED lamp WL LED 18.0 comes in at this point. This illuminates the working area and thereby facilitates more precise and easier work.



## Impressively powerful

Maximum power, optimum energy utilisation and a long service life.



### Really up to speed

The powerful cordless reciprocating saw RS 29 18.0 has a high cutting speed for fast work progress. The saw support that can be adjusted without tools ensures optimum saw blade utilisation – for a wide variety of jobs such as plunge cuts.



### A quick cut with a simple click

The new cordless reciprocating saw RS 29 18.0 effortlessly saws through timber, profiles and sheet steel – up to and including thicker steel tubes. Thanks to tool-free saw blade changing, the RS 29 18.0 can be adapted to new tasks both quickly and easily.



### Switch-activated pendulum stroke

The switch-activated pendulum stroke allows faster sawing in timber. The ergonomic handle with Softgrip provides additional support for comfortable handling.



### Pure EC power

The cordless rotary hammer drill CHE 18.0-EC is very light and compact. It allows good handling and makes it easier to work in confined spaces or overhead. The optimum scope of use for the CHE 18.0-EC is for drilling diameters of up to 18 millimetres in concrete.

## Cordless tools

DD 2G 18.0

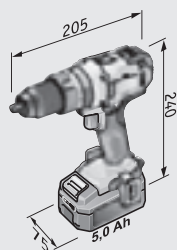
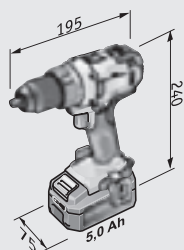
PD 2G 18.0



NEW

## SPECIFICATIONS

|                                 |              |
|---------------------------------|--------------|
| Torque positions DD 2G 18.0     | 20+1         |
| Torque positions PD 2G 18.0     | 24+1         |
| Battery voltage                 | 18 V         |
| Battery capacity                | 2,5 / 5,0 Ah |
| Max soft/hard torque DD 2G 18.0 | 52 / 68 Nm   |
| Max soft/hard torque PD 2G 18.0 | 52 / 65 Nm   |
| No load speed 1st gear          | 0-380 rpm    |
| No load speed 2nd gear          | 0-1650 rpm   |
| Idle blows 1st gear PD 2G 18.0  | 0-4940 rpm   |
| Idle blows 2nd gear PD 2G 18.0  | 0-21450 rpm  |
| Chuck Ø                         | 1,5 - 13 mm  |
| Max. drill hole Ø in steel      | 13 mm        |
| Max. drill hole Ø masonry       | 16 mm        |
| Max. drill hole Ø in wood       | 30 mm        |
| Weight without battery          | 1,4 kg       |



## 2-speed cordless drill driver 18,0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
  - Accelerator trigger switch with locking function
  - Electronic quick-acting brake
  - Robust gearbox housing made of die-cast aluminium
  - Durable 4 pole high-performance motor
  - Metal quick-clamp chuck with thrust ring and auto lock function
  - Right/left rotation with safety catch
  - Ergonomically designed, non-slip, soft grip handle
  - Integrated LED lamp with persistence function
  - LED battery capacity display
  - Removable covering cap for easy change of carbon brushes
  - Including attachable auxiliary handle, belt clip and bit shank
  - FLEX battery system: suitable for all 18,0 V battery packs.
- Delivery does not include battery and charger

## Standard equipment

## Order no.

|                             |                |
|-----------------------------|----------------|
| <b>DD 2G 18.0</b>           | <b>417.831</b> |
| <b>PD 2G 18.0</b>           | <b>417.858</b> |
| 1 handle                    | 428.698        |
| 1 belt clip                 | 420.115        |
| 1 bit holder                | 420.123        |
| 1 carrying case L-BOXX® 136 | 414.085        |
| 1 case insert               | 423.238        |
| <b>DD 2G 18.0/2.5 Set</b>   | <b>436.577</b> |
| <b>PD 2G 18.0/2.5 Set</b>   | <b>436.585</b> |
| 1 handle                    | 428.698        |
| 1 belt clip                 | 420.115        |
| 1 bit holder                | 420.123        |
| 2 batteries AP 18.0/2.5     | 417.890        |
| 1 charger CA 10.8/18.0      | 417.882        |
| 1 carrying case L-BOXX® 136 | 414.085        |
| 1 case insert               | 423.238        |





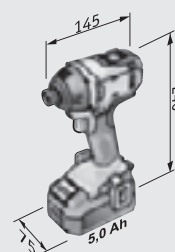
### Cordless impact drill driver 18,0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator trigger switch with locking function
- Electronic quick-acting brake
- Robust gearbox housing made of die-cast aluminium with protective cap
- Durable 4 pole high-performance motor
- Right/left rotation with safety catch
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- Tool holder for 1/4" bit tools
- Removable covering cap for easy change of carbon brushes
- Including attachable belt clip and bit shank
- FLEX battery system: suitable for all 18,0 V battery packs.  
Delivery does not include battery and charger



### SPECIFICATIONS

|                        |              |
|------------------------|--------------|
| Battery voltage        | 18 V         |
| Battery capacity       | 2,5 / 5,0 Ah |
| Max. torque            | 180 Nm       |
| No load speed          | 0-2300 rpm   |
| Blows per minute       | 0-3200 bpm   |
| Tool fixture           | 1/4"         |
| Weight without battery | 1,2 kg       |



| Standard equipment          | Order no. |
|-----------------------------|-----------|
| ID 1/4" 18.0                | 417.866   |
| 1 belt clip                 | 420.115   |
| 1 bit holder                | 420.123   |
| 1 carrying case L-BOXX® 136 | 414.085   |
| 1 case insert               | 423.238   |

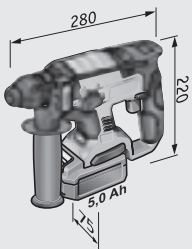
**Cordless tools**  
**CHE 18.0-EC**



**NEW**

**SPECIFICATIONS**

|                               |              |
|-------------------------------|--------------|
| Battery voltage               | 18 V         |
| Battery capacity              | 2,5 / 5,0 Ah |
| No load speed                 | 0-1400 rpm   |
| Blows per minute              | 0-4500 bpm   |
| Single impact energy (EPTA)   | 1,7 J        |
| Max. drill hole Ø in steel    | 13 mm        |
| Max. drill hole Ø in concrete | 18 mm        |
| Max. drill hole Ø in wood     | 20 mm        |
| Tool fixture                  | SDS-plus     |
| Weight without battery        | 2,0 kg       |



**Cordless rotary hammer drill 18,0 V**

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
  - Brushless motor with greater efficiency and a longer service life
  - Accelerator switch with lock-on function
  - Electronic quick-acting brake
  - Rotation stop for chiselling
  - Function switch with four functions: drilling, hammer drilling, chiselling, chisel adjustment
  - Robust gearbox housing made of die-cast aluminium
  - Non-rotating additional handle with depth stop
  - Integrated LED lamp with persistence function
  - LED battery capacity display
  - FLEX battery system: suitable for all 18,0 V battery packs.
- Delivery does not include battery and charger

| Standard equipment         | Order no.      |
|----------------------------|----------------|
| <b>CHE 18.0-EC</b>         | <b>430.005</b> |
| 1 handle                   | 436.364        |
| 1 depth stop               | 436.372        |
| 1 carrying case L-BOX® 238 | 414.093        |
| 1 case insert              | 435.945        |



NEW

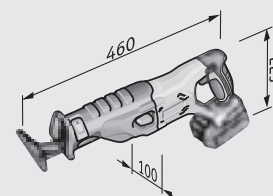
### Cordless reciprocating saw 18,0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator trigger switch with locking function
- Electronic quick-acting brake
- Durable 4 pole high-performance motor
- Orbital stroke: switch activated, especially for fast sawing through wood
- Saw blade can be turned through 180°
- Tool-free saw blade change
- Detachable, swivelling saw support, depth adjustable tool free
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- FLEX battery system: suitable for all 18,0 V battery packs.  
Delivery does not include battery and charger



### SPECIFICATIONS

|                        |              |
|------------------------|--------------|
| Orbit rate, no load    | 0-3100 opm   |
| Orbit                  | 29 mm        |
| Battery voltage        | 18 V         |
| Battery capacity       | 2,5 / 5,0 Ah |
| Weight without battery | 2,9 kg       |



| Standard equipment          | Order no. |
|-----------------------------|-----------|
| RS 29 18.0                  | 417.874   |
| 1 carrying case L-BOXX® 238 | 414.093   |
| 1 case insert               | 423.246   |

## Cordless tools

### Accessories

4

Cordless tools

| Type                                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Designation      | Size | Battery capacity/<br>Voltage | QP | Order no. | DD 2G 18.0 | PD 2G 18.0 | ID 1/4" 18.0 | CHE 18.0-EC | RS 29 18.0 |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|------------------------------|----|-----------|------------|------------|--------------|-------------|------------|
| Battery powered heating jacket<br>            | Heated, high-quality soft shell jacket with comfortable fleece lining, various pockets, and detachable hood. Wind and water repellent material for high durability. Three heating zones for individual heating settings and quick heat function. 10,5/21 hours of heat at level 1, 9,5/19 hours at level 2, and 5/10 hours at level 3 (2,5/5,0 Ah 18,0 V). Suitable for 10,8 and 18,0 V lithium ion battery. Battery adapter with USB port for charging smartphones. Battery not included. | TJ 10.8/18.0 M   | M    |                              | 1  | 417.998   | -          | -          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TJ 10.8/18.0 L   | L    |                              | 1  | 423.165   | -          | -          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TJ 10.8/18.0 XL  | XL   |                              | 1  | 423.173   | -          | -          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TJ 10.8/18.0 XXL | XXL  |                              | 1  | 423.181   | -          | -          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
| LED worklamp<br>                             | Powerful LED worklamp with 24 cold-white LEDs and integrated discharge protection. LED head can be swivelled through 320° and folded through 180°. Swivelling and lowerable hook for attaching the lamp and belt clip. Lighting duration: approx 20 hours with 2,5 A battery pack and approx 40 hours with 5,0 Ah battery pack. FLEX battery system: suitable for all 18 V battery packs. Delivery does not include battery.                                                               | WL LED 18.0      |      |                              | 1  | 417.955   | ■          | ■          | ■            | ■           | ■          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
| Li-Ion rechargeable battery pack 18,0 V<br> | Battery pack Li ion 18.0 V with integrated charge and discharge protection, battery charge indicator, dust and splash protection. Electronic management system (EMS) protects the battery pack, extends the service life, and increases efficiency.                                                                                                                                                                                                                                        | AP 18.0/5.0      |      | 5,0 Ah/18 V                  | 1  | 417.904   | ■          | ■          | ■            | ■           | ■          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | AP 18.0/2.5      |      | 2,5 Ah/18V                   | 1  | 417.890   | ■          | ■          | ■            | ■           | ■          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
| Rapid charger<br>                           | For charging 10.8 and 18.0 V battery packs. With large-format LCD display for battery diagnostics and charge levels. Charging time: approx 40 min for 18.0 V / 2.5 Ah and approx 50 min for 18.0 V / 5.0 Ah. A special procedure charges 80% of the capacity after about 30 min. With integrated battery pack cooler and overheating, discharge, and overload protection.                                                                                                                  | CA 10.8/18.0     |      |                              | 1  | 417.882   | ■          | ■          | ■            | ■           | ■          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
| Battery adapter<br>                         | Battery adapter for use with 18,0 or 10,8 V battery packs as USB charger for smartphones and heating jacket. The adapter features 2 USB ports, an energy saving mode, and a belt clip. Charging current 1,5 A/12,0 V.                                                                                                                                                                                                                                                                      | PS 10.8/18.0     |      |                              | 1  | 417.971   | -          | -          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
| Auxiliary handle<br>                        | Suitable for cordless drill driver and impact drill 18,0 V.                                                                                                                                                                                                                                                                                                                                                                                                                                | HZ-S DD/PD 18,0  |      |                              | 1  | 428.698   | ■          | ■          | -            | -           | -          |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |
|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |      |                              |    |           |            |            |              |             |            |

■ suitable  
- not suitable

| Type                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designation       | D/T in mm | L in mm | QP | Order no. | DD 2G 18.0 | PD 2G 18.0 | ID 1/4" 18.0 | CHE 18.0-EC | RS 29 18.0 |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|---------|----|-----------|------------|------------|--------------|-------------|------------|
| Diamond dry drill bits<br>  | For drilling without water using cordless drill drivers or drills. Drill bit with hexagonal shank for clamping in the chuck. The multi-diamond coating ensures a long service life. The core of the drill bits is filled with a solidified coolant which is melted by the heat generated during processing, thereby producing a cooling effect. For drilling dowel holes in fine stoneware (up to hardness 5), granite, marble.                                                                                                                                                                                                                                                                                      | DD-DRY D6x30 HEX  | 6 Ø 30    | 80      | 1  | 386.286   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DD-DRY D8x30 HEX  | 8 Ø 30    | 80      | 1  | 386.294   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DD-DRY D10x30 HEX | 10 Ø 30   | 80      | 1  | 386.308   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DD-DRY D14x30 HEX | 14 Ø 30   | 80      | 1  | 386.316   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
| Tile drill bits<br>         | For drilling without water using cordless drill drivers or drills. The extremely hard tip of the drill bit is pressed gently onto the surface of the tile. This makes a precision mark for the required drill hole. As the drill bit is self-centring, it cannot slip on hard surfaces. Ideally suited for drilling dowel holes in tiles and fine stoneware up to hardness 3.                                                                                                                                                                                                                                                                                                                                        | TD D5x50 D10      | 5 Ø 50    | 110     | 1  | 386.324   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TD D6x50 D10      | 6 Ø 50    | 110     | 1  | 386.332   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TD D8x50 D10      | 8 Ø 50    | 110     | 1  | 386.340   | ■          | ■          | -            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
| Carrying case L-BOXX®<br> | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert, with additional front handle. | TK-L 136          |           |         | 1  | 414.085   | ■          | ■          | ■            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 238          |           |         | 1  | 414.093   | -          | -          | -            | ■           | ■          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
| Case insert<br>           | Matching insert for DD/PD/ID 18.0 for carrying case L-BOXX® 136.<br><br>Matching insert for CHE 18.0 EC for carrying case L-BOXX® 238.<br><br>Matching insert for RS 29 18.0 for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TKE DD/PD/ID 18.0 |           |         | 1  | 423.238   | ■          | ■          | ■            | -           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TKE CHE 18.0-EC   |           |         | 1  | 435.945   | -          | -          | -            | ■           | -          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TKE RS 18.0       |           |         | 1  | 423.246   | -          | -          | -            | -           | ■          |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |
|                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |           |         |    |           |            |            |              |             |            |





# Tools for renovation and modernization

FLEX has the right solution for whatever the task in floor, wall and ceiling finishing – whether it is cutting slots for in-wall installation of cables and conduits, removing plaster, concrete, screed or render coatings. In fact, FLEX special machines and the individually coordinated accessories surmount each and every obstacle.

## Giraffe® wall and ceiling sander

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## Measuring technology/laser

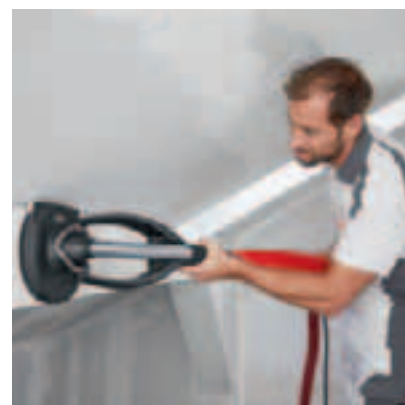
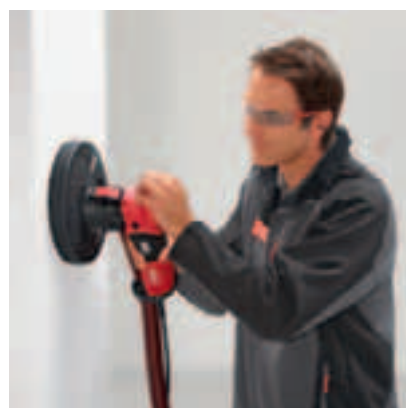
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|-------------------------|-----|
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## FLEX Giraffe® – globally the No. 1 for wall and ceiling sanding systems.

The most easy-to-handle FLEX Giraffe® ever. Great ease of use, surprising versatility and reliable quality –made in Germany: The FLEX Giraffe® GE 5/GE 5 R is lighter, more flexible and more robust than ever before. And for those who want something even lighter and easier to handle, there's the FLEX Okapi® GSE 5 R. With all the advantages of the Giraffe® GE 5 R – but shorter.

The work of painters, drywall constructors, plastering specialists and many other trades was revolutionised with the introduction by FLEX of the first Giraffe® WS 702 VEA long-neck sander for wall and ceiling working in Europe in 1997. The FLEX Giraffe® is the world's most widely-sold long-neck sander. The reliable and proven Giraffe® WS 702 VEA was followed by the innovative and unrivaled Vario-Giraffe® WST 700 VV. For the first time there is now a long-neck sander – equipped with a unique interchangeable head system – which can "stretch". Along with sanding large surfaces, the innovative triangular sandinghead has now also made it possible to seamlessly sand up to edges and into corners. Without the need for a ladder or scaffolding. This allows for a direct-finish of the corners and edges. The Concrete-Giraffe® WST 1000 FV is the result of consequently adapting the technology of the successful long-neck sander to work on concrete, plaster, paint coatings, screeds, both natural and artificial stone, tile adhesives and many other materials on walls and ceilings. The new small and convenient Handy-Giraffe® WSE 7 Vario is the ideal addition to the Vario-Giraffe®, above all when processing confined spaces and rather small wall and ceiling areas. To make your work even easier on large surfaces and high ceilings up to 3.20 m, we have developed the mobile workstation for Giraffe GM 320. FLEX now has a unique family of long-neck sanders which can deal with practically all the requirements demanded. An insight is provided on the following pages into the numerous applications for FLEX Giraffe® sanders.



## FLEX Vario-System

|                                                    |  |  |  |  |  |  |  |  |
|----------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                    | Giraffe®<br>GE 5                                                                  | Giraffe®<br>GE 5 R                                                                | Okapi®<br>GSE 5 R                                                                 | Handy-Giraffe®<br>WSE 7 Vario Set                                                 | Handy-Giraffe®<br>WSE 7 Vario Plus                                                 | Vario-Giraffe®<br>WST 700 W                                                         | Vario-Giraffe®<br>WST 700 VV Plus                                                   | Concrete-Giraffe®<br>WST 1000 FV*                                                   |
| Extendable                                         | ●                                                                                 | ●                                                                                 | ●                                                                                 | —                                                                                 | —                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Grinding close to edges                            | —                                                                                 | ●                                                                                 | ●                                                                                 | —                                                                                 | ●                                                                                  | —                                                                                   | ●                                                                                   | —                                                                                   |
| Tool-free sanding head change                      | —                                                                                 | —                                                                                 | —                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Sanding head – round Ø 225 mm                      | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | —                                                                                   |
| Sanding head – triangular                          | —                                                                                 | —                                                                                 | —                                                                                 | ○                                                                                 | ●                                                                                  | ○                                                                                   | ●                                                                                   | —                                                                                   |
| Sanding head for diamond discs                     | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | —                                                                                   | —                                                                                   | ●                                                                                   |
| Velcro backing pad supersoft                       | ●                                                                                 | ●                                                                                 | ●                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | —                                                                                   |
| Velcro sanding pad soft                            | ○                                                                                 | ○                                                                                 | ○                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | —                                                                                   |
| Velcro sanding pad medium                          | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | —                                                                                   |
| Velcro sanding pad hard                            | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | —                                                                                   |
| Suction hose – anti-static                         | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | ○                                                                                   |
| Storage and stacking system for extraction systems | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                 | —                                                                                  | ○                                                                                   | ○                                                                                   | ○                                                                                   |
| Carrier case (bag)                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   |

- Standard equipment
- available as an accessory.
- not available

\*Information for the Concrete-Giraffe® see page 172







## FLEX Giraffe®. Effortlessly the best.

Uniquely light. Well thought-out material use and a weight-optimised design: At 3.9 kilogrammes, the FLEX Giraffe® is almost a full kilogramme lighter than its predecessor. This makes handling even better, and work fatigue-free. On high ceilings as well as on walls. As easy to handle as it looks. The unique balance concept of the FLEX Giraffe® GE 5/GE 5 R guarantees relaxed, equilibrated working. Makes sanding noticeably more comfortable thanks to an optimum centre of gravity and extremely simple operation. The spade handle, the slender tube with a grip recess and the optimised joint are other features that make the ergonomics of this tool exemplary. And what's more, the FLEX Giraffe® is practically vibration-free.



reddot award 2014  
winner



### Extractor hood with a brush ring

The brush rim with spring bearings prevents accidental sanding marks when the sander touches the surface and ensures optimum dust removal.



### Full-wave electronic control

The speed control allows an adjusted speed for sanding, while the full-wave electronic control keeps the speed constant under load. Also: Overload protection via current control.



### Gimbal suspension

The gimbal-mounted sanding head with the optimised joint ensures great flexibility and optimum adjustment while sanding walls and ceilings.



### Innovative suction connection

Direct connection of the extractor hose with the FLEX clip-system.



### Rotary sanding head that works right up to the edge\*

Whether at an edge or a wall/ceiling transition: Now you can even sand in places that you previously had to finish with special machines.

\*Model GE 5 R



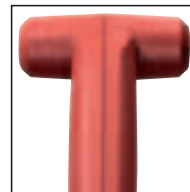
### On/Off switch

Accelerator switch for a slow and sensitive start and a lock for continuous running.



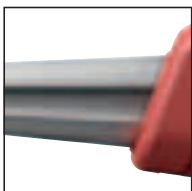
### Flexible drive shaft

From the motor to the sanding plate: for reliable power transmission, great flexibility and a minimised weight at the head of the Giraffe® for easy handling.



### Spade handle

For flexible and comfortable working. Protects the hose against bending when the machine is switched off.



### Ergonomic guide tube

Comfortable handling thanks to a slender oval guide tube with grip recess – optionally with an easy-to-use extension for a maximum working height of 3.20 m.



### Extension

Thanks to an extension that can be clicked into place without using tools, you can work with the FLEX Giraffe® to sand comfortably and safely even when the room is up to 3.20 m high. The extension module is also ideally suited to the FLEX Okapi®.

## Giraffe® wall and ceiling sander

Giraffe® GE 5/GE 5 R



## FLEX Giraffe®. Handier than ever before.



### More sensitive than ever.

The Super-Soft pad with velcro cover is ideal for sensitive sanding on putty surfaces. The GE 5/GE 5 R is optimised for use with perforated sandpaper.



### Lighter than ever.

At 3.9 kilogrammes, the FLEX Giraffe® is almost a kilogramme lighter than before. This makes handling even simpler and ensures fatigue-free working.



### More versatile than ever.

Thanks to the sanding head that reaches right up to the edge on the GE 5 R, you can work not just on walls and ceilings but also at edges and wall-to-ceiling transitions using a single unit. This saves a lot of time and there is no need to use special machines.



### More variable than ever.

The FLEX Giraffe® can be "stretched" by using an optional tubular extension. This enables you to reach ceiling heights of up to 3.20 metres. As the extension is not permanently integrated, the machine remains especially light when in basic use.



### More easy to handle than ever.

The FLEX Giraffe® is perfectly balanced thanks to its optimum centre of gravity. This allows relaxed and balanced working. The slender tube with the grip recess makes using it even more comfortable.



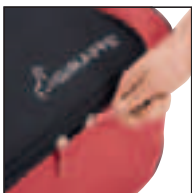
### More clever than ever.

The toggle screw enables the plate to be changed without using tools.

## Giraffe® transport system

### Light, robust and innovative.

The transport bag for the FLEX Giraffe® GE 5/GE 5 R and Okapi® GSE 5 R provides optimum protection thanks to the tear-resistant fabric material, and the shaped foam parts provide a firmer grip. The bag is particularly comfortable to carry thanks to the large carrying handles. There is sufficient storage space for accessories such as sanding discs. A plastic case with comparable features weighs around 4 kg more.



#### Quick access

Open the cover – remove the Giraffe® – connect – switch on and sand. No complex assembly required.



#### Robust

Skids and specially reinforced edges protect the bag and its contents against damage.



#### Everything in its place

Storage space for sandpaper, suction hose and other accessories.



#### Side handgrip

The handles at the side enable the bag to be comfortably taken out of a car boot.

# Giraffe® wall and ceiling sander

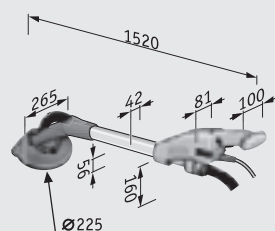
GE 5

GE 5 R



## SPECIFICATIONS

|                        |               |
|------------------------|---------------|
| Power input            | 500 watt      |
| Power output           | 270 watt      |
| No load speed          | 1100-1650 rpm |
| Sanding disc Ø         | 225 mm        |
| Tool fixture           | velcro        |
| Tilt angle on the head | 100 °         |
| Length                 | 1520 mm       |
| Cable length           | 5,0 m         |
| Weight                 | 3,9 kg        |



| Standard equipment                                                                                                        | Order no.      |
|---------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GE 5</b>                                                                                                               | <b>405.884</b> |
| <b>GE 5 R</b>                                                                                                             | <b>405.892</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| <b>GE 5 + TB-L</b>                                                                                                        | <b>409.316</b> |
| <b>GE 5 R + TB-L</b>                                                                                                      | <b>409.324</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| 1 carrying bag                                                                                                            | 408.867        |
| <b>GE 5 + SH Kit</b>                                                                                                      | <b>409.375</b> |
| <b>GE 5 R + SH Kit</b>                                                                                                    | <b>409.383</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, with auxiliary air control | 406.708        |
| <b>GE 5 + TB-L + SH</b>                                                                                                   | <b>409.391</b> |
| <b>GE 5 R + TB-L + SH</b>                                                                                                 | <b>409.405</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, with auxiliary air control | 406.708        |
| 1 carrying bag                                                                                                            | 408.867        |



## Giraffe® wall and ceiling sander

- Electronic: controlled constant speed, soft-start, overload protection and speed selection with adjuster wheel
- Very handy, light-weight machine with optimum ease of operation. Provides comfortable and ergonomic working conditions
- Easy guiding: by optimal balance between motor and sanding head
- Reliable force transmission and high flexibility thanks to the flexible drive shaft from. For decades established "FLEX technology". Thanks to this design principle the weight on the head of the Giraffe is reduced to a minimum. This facilitates handling.
- Gimbal-mounted sanding head provides high flexibility and optimum adjustment for sanding walls and ceilings.
- Effective dust extraction from between the brush ring and the sanding pad prevents clogging of the abrasive and promotes a dust-free working environment
- Option of connecting the FLEX safety vacuum cleaners to the FLEX Clip system on the guide tube
- Easy handling thanks to ergonomically shaped guide tube made of aluminium. Optionally an auxiliary handle (accessory) can be attached
- Dust-proof on/off switch
- Very flexible thanks to an optional 500 mm extension (accessory) for high rooms, can be attached without any tools
- According to the assortment of sanding paper ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing
- Very large areas and rooms up to 3.20 m in height can be processed thanks to the optional application of the GM 320
- The innovative, textile transport system allows the machine and accessories to be transported effortlessly. The Giraffe® does not have to be mounted and is immediately ready for use

## For GE 5 R

- Revolving edge segment enables the processing of wall/wall and wall/ceiling surface transitions
- The edge segment rotates by the movement of the machine without any interruption in work

Accessories from page 119



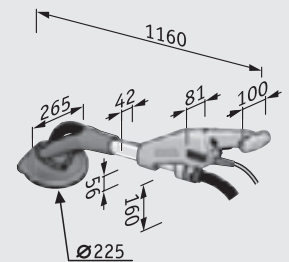
### Okapi® compact wall and ceiling sander

- Electronic: controlled constant speed, soft-start, overload protection and speed selection with adjuster wheel
- Very handy, light-weight machine with optimum ease of operation. Provides comfortable and ergonomic working conditions
- Revolving edge segment enables the processing of wall/wall and wall/ceiling surface transitions
- The edge segment rotates by the movement of the machine without any interruption in work
- Easy guiding: by optimal balance between motor and sanding head
- Reliable force transmission and high flexibility thanks to the flexible drive shaft from. For decades established "FLEX technology". Thanks to this design principle the weight on the head of the Okapi® is reduced to a minimum. This facilitates handling.
- Gimbal-mounted sanding head provides high flexibility and optimum adjustment for sanding walls and ceilings.
- Effective dust extraction from between the brush ring and the sanding pad prevents clogging of the abrasive and promotes a dust-free working environment
- Option of connecting the FLEX safety vacuum cleaners to the FLEX Clip system on the guide tube
- Optionally an auxiliary handle (accessory) can be attached
- Dust-proof on/off switch
- Very flexible thanks to an optional 500 mm extension (accessory), can be attached without any tools
- According to the assortment of sanding paper ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing
- The innovative, textile transport system allows the machine and accessories to be transported effortlessly. The Okapi® does not have to be mounted and is immediately ready for use



### SPECIFICATIONS

|                        |               |
|------------------------|---------------|
| Power input            | 500 watt      |
| Power output           | 270 watt      |
| No load speed          | 1100-1650 rpm |
| Sanding disc Ø         | 225 mm        |
| Tool fixture           | velcro        |
| Tilt angle on the head | 100 °         |
| Length                 | 1160 mm       |
| Cable length           | 5,0 m         |
| Weight                 | 3,6 kg        |



| Standard equipment                                                                                                        | Order no.      |
|---------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>GSE 5 R + TB-L</b>                                                                                                     | <b>416.207</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| 1 carrying bag                                                                                                            | 415.189        |
| <b>GSE 5 R + TB-L + SH</b>                                                                                                | <b>417.823</b> |
| 1 velcro sanding disc supersoft                                                                                           | 399.418        |
| 1 clip-on quick clamping ring SH-FC 32                                                                                    | 406.023        |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, with auxiliary air control | 406.708        |
| 1 carrying bag                                                                                                            | 415.189        |







## The FLEX Vario system. Everything with a click.

Whether wall or ceiling, whether small or large work surfaces, whether surfaces or edges and corners – you are ready for everything with the wall and ceiling sanders of the FLEX Vario system. In addition to the Vario-Giraffe® WST 700 VV, the ideal sander for high walls and ceilings, you now have the “small” Handy-Giraffe® WSE 7 Vario for processing smaller areas which are difficult to access. And all that with the intelligent double head system for round and triangular sanders. Be convinced by the smart FLEX Vario system on the following pages.







## WSE 7 Vario. So small yet so clever.

The Handy-Giraffe® WSE 7 Vario is part of a unique system for processing walls and ceilings. It is light and handy and is therefore suitable for use on smaller surfaces and confined spaces. With the unique FLEX change head system, the Handy-Giraffe® can be used not only to process surfaces, but also to sand near edges. It is the ideal supplement to the Vario-Giraffe® WST 700 VV.



### Always in control

The special handle cover ensures comfortable operation and allows the Handy-Giraffe® to be controlled with precision.



### FLEX clip-system

The suction hose is conveniently connected to the WSE 7 Vario via the FLEX clip-system.



### Just in case

On/off switch protected from dust and impacts.



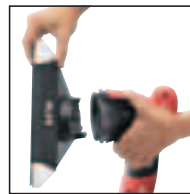
### More freedom

The extraction hose is attached to the machine and ensures trouble-free operation.



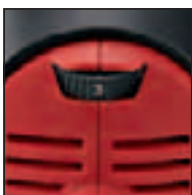
### This is really something

Powerful, high-output 700 watt motor for rapid work progress.



### Into the smallest corner

As the triangular sanding head is changed with a simple handle, edges and corners can be processed immediately.



### Adjustable

VR electronic control with controllable speed from 600-1800 rpm (round sanding head) ensures that the speed is adjusted for sanding. With tachogenerator-controlled constant speed and restart protection.



### Interchangeable head system

Simply press the two locks on the holder of the sanding head and remove the sanding head with a click.





## WSE 7 Vario. Variable in the most confined space. The compact multi-talent.



The Handy-Giraffe® WSE 7 Vario is characterised by its excellent dust extraction. The vacuum cleaner is connected easily and simply via the FLEX clip-system and the special hose guide ensures trouble-free operation. As the ideal supplement we recommend the FLEX safety vacuum cleaner (starting on page 222).



### Comfortable

The special grip hood and the slender design contribute to the high ease of operation.



### Solution for corner

The small Handy-Giraffe® WSE 7 Vario allows sanding into the smallest corner – and with maximum surface quality.



### Perfect result

The changeable triangular sanding head enables processing near edges – for a perfect finish.





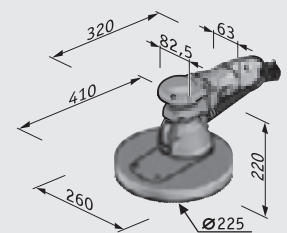
### Handy-Giraffe® wall and ceiling sander

- VR electronic: stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start inhibit and temperature monitoring.
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- Grip hood for easy handling and precise working
- With interchangeable head system for round- and triangular sanding head for sanding close to edges
- Effective dust extraction from between the brush ring and the sanding pad prevents clogging of the abrasive and promotes a dust-free working environment
- The brush ring is spring-mounted so that the round sanding head accurately follows all uneven contours. This allows the head to be applied with fingertip precision and also prevents any dust escaping
- Backing pad with velcro face
- Defined hose guidance and effective dust extraction due to large hose cross-section. The suction hose is directly attached to the tool by the FLEX clip-system
- Lightweight and easy-to-use on small surfaces, tight spaces
- Ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting



### SPECIFICATIONS

|                             |                    |
|-----------------------------|--------------------|
| Power input                 | 710 watt           |
| Power output                | 420 watt           |
| No load speed               | 600-1950 rpm       |
| Corner sander no-load speed | 1800-5400 opm      |
| Sanding disc Ø              | 225 mm             |
| Size ( W x L x H)           | 330 x 120 x 170 mm |
| Cable length                | 4,0 m              |
| Weight                      | 2,8 kg             |



### For WSE 7 Vario

- Machine without sanding head as an addition for the Vario-Giraffe® WST 700 VV and WST 700 VV Plus

| Standard equipment                                                      | Order no.       |
|-------------------------------------------------------------------------|-----------------|
| <b>WSE 7 Vario Set</b>                                                  | <b>385.166</b>  |
| Round sanding head with velcro sanding pad supersoft                    | 350.346         |
| Velcro backed sanding paper, 1 x P 60, 80, 100, 220                     |                 |
| 1 carrying case                                                         | 366.641         |
| 2 case inserts                                                          | 383.902/383.899 |
| <b>WSE 7 Vario Plus</b>                                                 | <b>385.190</b>  |
| Round sanding head with velcro sanding pad supersoft                    | 350.346         |
| Triangular sanding head                                                 | 388.289         |
| Velcro backed sanding paper, 1 x P 60, 80, 100, 220                     |                 |
| Velcro backed sanding paper, triangular, Select, 1 x P 60, 80, 100, 220 |                 |
| 1 carrying case                                                         | 366.641         |
| 2 case inserts                                                          | 383.902/383.899 |
| <b>WSE 7 Vario</b>                                                      | <b>377.821</b>  |



## The Vario-Giraffe® WST 700 VV. Clever yet simple.

The innovation of the long-neck sander.



### Excellent innovation

Handy and easy to extend, exchange function for round and triangular sanding heads, a great variety of grip possibilities for optimum balance of the tool and the excellent FLEX performance and quality. It makes no difference how you handle the Vario-Giraffe® – you will always find that ideal holding position for comfortable fatigue-free working. The uniform distribution of weight and centrally positioned motor guarantees that the Vario-Giraffe® is always optimally balanced. This minimizes any top-heaviness when sanding and it considerably facilitates the work. The ergonomic design and numerous gripping possibilities allows you to hold the tool in the most comfortable positions.

### Round sanding head

The round sanding head is optimally suited for sanding large areas at high removal rates both quickly and effectively. The soft backing pad prevents grooves or swirls from developing. And of course our extraction system makes sure that the working environment stays practically dust-free. In conjunction with the right FLEX abrasives the application range is practically unlimited.

### Triangular sanding head

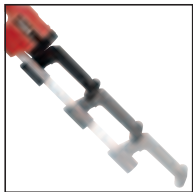
Workflows are perfected by the innovative triangular sanding head. Manual refinishing or refinishing with a hand-held random orbital sander is not required. The sander head is exchanged with a simple hand movement and corner and edge working can be carried out immediately. With the orbital movement of the grinding pad reaching up to the rim of the sander head, seamless working of edges and corners is guaranteed. Thanks to the 360° rotating sanding head, the Vario-Giraffe® can be easily directed around corners.

Naturally the accustomed vacuum power stays the same. FLEX safety vacuum cleaners (starting page 222) provides with the optimum complementation for healthy and dust-free working. FLEX will, of course, offers the right range of accessories and the right abrasives (starting page 122).



## The WST 700 VV is full of surprises.

With its numerous technical innovations the Vario-Giraffe® is characterised by its applications, handling and result. It can always be optimally adjusted to the corresponding requirements.



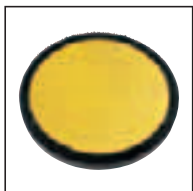
### It depends on the correct length

Tool-free telescopic from 133-173 cm.



### Always clamps

Adjustable locking screw for telescopic extension



### Dust extraction system

The extraction stops the abrasive from clogging and allows work to be done in a dust-free and healthy environment. The brush ring is spring mounted. Allowing the sanding head to adjust itself perfectly to all unevenness. This allows for a sensitive surface contact.



### FLEX clip-system

Snap coupling for the suction hose with swivel.



### Packed with power

Powerful 710 watt motor.



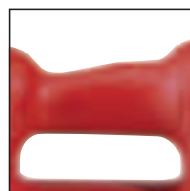
### Greater flexibility

The flexible suction hose makes it easy to evenly set down. This prevents grooves and swirls.



### Just in case

VV electronic control with controllable speed from 1100-1700 rpm (round sanding head) ensures that the speed is adjusted for sanding different surfaces. With tachogenerator-controlled constant speed and soft-start.



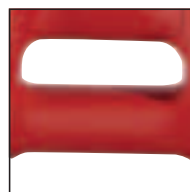
### Ergonomic

Ergonomically shaped handle for comfortable and save work.



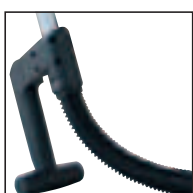
### The rotatable handle

The ergonomically shaped T-handle gives additional hold when sanding ceilings. Handle can be rotated 360°.



### Balanced

In addition to its ergonomic handgrip the Vario-Giraffe® provides numerous gripping positions for a perfect balance by working directly in front of your body.



### Stable

When resting the Vario-Giraffe®, the long handle protects the hose from kinking.



### The Vario-Giraffe® is smart

The articulating sanding head can be adjusted to every tilt and angle. The joint rotates horizontally. This both facilitates guiding and surface contact so that no grooves are generated.



### Easy and variable

Easy-to-operate telescope lock. Open lever – pull out handle for the right length – close lever.



### Interchangeable head system

Easy, tool-free exchange of the round and triangular heads.



## Round or square?

**It makes no difference! The Vario-Giraffe® can do both.**



The high removal rate and effective dust extraction make for a quick work progress. Whether it is sanding wallpapered surfaces, taped joints or even finely sanding down marble and smoothing plaster, the round sanding head-equipped Vario-Giraffe® achieves results that you can be proud of. Edges and corners can be worked on using the exchangeable orbital triangular sanding head. No need for additional manual touching-up. Seamless sanding in all positions thanks to the 360° rotating triangular sanding head. Even in the corners and angles, the Vario-Giraffe® WST 700 VV Plus always impresses with perfect results.

## Only the result counts.



### Precise and safe control

Thanks to the numerous grip options, the Vario-Giraffe® can always be guided precisely and safely – even directly in front of your body.



### Perfectly balanced

For optimum balance the Vario-Giraffe® has an additional handle on the motor housing in addition to the ergonomic handle.



### Giraffe® stretch!

High ceilings can be comfortably reached thanks to the T-handle and the tool-free telescopic extension of 133–173 cm. Furthermore, the sanding pressure can be optimally applied.



### Always on the move

As the sanding head can rotate through 360°, the Vario-Giraffe® can be negotiated around the corners. This allows seamless sanding in all positions, even in the tightest corners and angles.



### Just in case

The new exchangeable protective corners with upholstered sliding strips provide the surfaces to be processed with special protection.



### Right into the corner

Thanks to the telescopic function, corners which are difficult to access can also be easily processed with the triangular sanding head.



# Giraffe® wall and ceiling sander

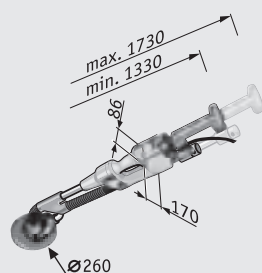
WST 700 VV

WST 700 VV Plus



## SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Power input                 | 710 watt      |
| Power output                | 420 watt      |
| No load speed               | 1100-1700 rpm |
| Corner sander no-load speed | 3300-5100 opm |
| Sanding disc Ø              | 225 mm        |
| Dimensions in mm            | 1330-1730     |
| Cable length                | 4,0 m         |
| Weight                      | 4,8 kg        |



| Standard equipment                                                                                                        | Order no.      |
|---------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>WST 700 VV</b>                                                                                                         | <b>350.311</b> |
| Round sanding head with velcro sanding pad supersoft                                                                      | 350.346        |
| Velcro backed sanding paper, 1 x P 60, 80, 100, 220                                                                       |                |
| 1 hexagon socket wrench, SW 5                                                                                             | 115.460        |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, with auxiliary air control | 406.708        |
| 1 carrying case                                                                                                           | 389.986        |
| <b>WST 700 VV Plus</b>                                                                                                    | <b>350.338</b> |
| Triangular sanding head                                                                                                   | 388.289        |
| Round sanding head with velcro sanding pad supersoft                                                                      | 350.346        |
| Velcro backed sanding paper, 1 x P 60, 80, 100, 220                                                                       |                |
| Velcro backed sanding paper, triangular, Select, 1 x P 60, 80, 100, 220                                                   |                |
| 1 hexagon socket wrench, SW 5                                                                                             | 115.460        |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner, with auxiliary air control | 406.708        |
| 1 carrying case                                                                                                           | 389.986        |
| <b>WST 700 VV Plus, without suction hose</b>                                                                              | <b>374.547</b> |
| Triangular sanding head                                                                                                   | 388.289        |
| Round sanding head with velcro sanding pad supersoft                                                                      | 350.346        |
| Velcro backed sanding paper, 1 x P 60, 80, 100, 220                                                                       |                |
| Velcro backed sanding paper, triangular, Select, 1 x P 60, 80, 100, 220                                                   |                |
| 1 hexagon socket wrench, SW 5                                                                                             | 115.460        |
| 1 carrying case                                                                                                           | 389.986        |



## Vario-Giraffe® wall and ceiling sander

- VV electronic: controlled constant speed, soft-start, overload protection and speed selection with adjuster wheel
- Using a unique telescopic system, the Vario-Giraffe® adapts to your needs. Length adjustable from 1330 mm - 1730 mm. Open telescope lock lever, pull out handle and close lever. Handle rotates through 360°
- Adjustable locking screw for telescopic extension
- Ergonomic design with many different handling possibilities for fatigue-free working. The motor is always kept between the gripping positions, ensuring a perfect balance
- With round sanding head that can be exchanged with just a click
- Backing pad with velcro face
- Vacuum cleaning system: guard with a brush ring, flexible suction hose from the sanding head to the guide tube. Connection facility at the rear of the telescopic tube for FLEX safety vacuum cleaner
- The brush ring is spring-mounted so that the round sanding head accurately follows all uneven contours. This allows the head to be applied with fingertip precision and also prevents any dust escaping
- Effective dust extraction from between the brush ring and the sanding pad prevents clogging of the abrasive and promotes a dust-free working environment
- The articulating sanding head can be adjusted to every tilt and angle.
- Ideally suited for sanding plaster boards, solid styropor insulation slabs, preparation for painting, polishing
- This machine is also available in 110 V

## For WST 700 VV Plus

- Fitted with interchangeable heads that are attached and removed with a click
- Including triangular sanding head. This is optimally suited to sanding corners and edges. The random orbital movement of the sanding head takes the abrasive right up to the edges

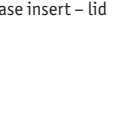
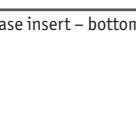
- suitable
- not suitable

# Giraffe® wall and ceiling sander

## Accessories

| Type                                                                                | Description                                                                                                                                                                                                                                                                                                        | Designation       | Type      | Dimensions<br>in mm | QP | Order no. | GE 5 / GE 5 R | GSE 5 R | WSE 7 Vario Set | WSE 7 Vario Plus | WST 700 VV | WST 700 VV Plus |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|---------------------|----|-----------|---------------|---------|-----------------|------------------|------------|-----------------|
|    | Velcro system for attaching the abrasive discs.<br>Suitable for deburring filled-in surfaces.                                                                                                                                                                                                                      | KAD D225/16 S     | supersoft |                     | 1  | 260.232   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     | Velcro system for attachment of sanding tools.<br>Suitable for high removal from different substrates<br>using coarse abrasive grit.                                                                                                                                                                               | KAD D225/16 H     | hard      |                     | 1  | 412.899   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|    | Greater flexibility thanks to the extension, can be operated easily and without any tools. Allows you to work in high rooms.                                                                                                                                                                                       | GV 50             |           | 500                 | 1  | 409.294   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|   | For effortless working in difficult positions (e.g. overhead work).                                                                                                                                                                                                                                                | HZ-S G            |           |                     | 1  | 408.972   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|  | Adapter for GM 320 suitable for the GE 5/R.                                                                                                                                                                                                                                                                        | GMA G             |           |                     | 1  | 409.308   | ■             | -       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|  | Light-weight and robust carrying case made of tear-resistant textile material. The Giraffe® is optimally protected by moulded foam parts. With internal storage space for accessories such as sanding tool, suction hose, etc. Large carrying handles facilitate carrying the case, especially up and down stairs. | TB-L 1560x320x360 |           | 1560 x 320 x 360    | 1  | 408.867   | ■             | -       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    | TB-L 1210x320x360 |           | 1210 x 320 x 360    | 1  | 415.189   | -             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|  | Matching insert for the GE 5 / R, GSE 5 R for the sanding head retainer in the carrying case.                                                                                                                                                                                                                      | TBE-T G           |           |                     | 1  | 408.735   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|  | Matching insert for the GE 5 / R, GSE 5 R for the handle retainer in the carrying case.                                                                                                                                                                                                                            | TBE-B G           |           |                     | 1  | 408.743   | ■             | ■       | -               | -                | -          | -               |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                     |                                                                                                                                                                                                                                                                                                                    |                   |           |                     |    |           |               |         |                 |                  |            |                 |

■ suitable  
- not suitable

| Type                                                                                                                                       | Description                                                                                                                                                                                           | Designation                 | Dimensions<br>in mm | QP | Order no. | GE 5 / GE 5 R | GSE 5 R | WSE 7 Vario Set | WSE 7 Vario Plus | WST 700 VV | WST 700 VV Plus |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|----|-----------|---------------|---------|-----------------|------------------|------------|-----------------|
| Carrying case<br>                                         | Made of impact-resistant plastic for the WSE 7.                                                                                                                                                       | TK-L 609x409x201            | 609 x 409 x 201     | 1  | 366.641   | -             | -       | ■               | ■                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Case insert – lid<br>                                     | Suitable insert for round grinding head and sandpaper for the cover of the carrying case 366.641.                                                                                                     | TKE-T WSE7                  |                     | 1  | 383.902   | -             | -       | ■               | ■                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Case insert – bottom<br>                                  | Suitable insert for the WSE 7, round grinding head and triangular sanding head for the base of the carrying case 366.641.                                                                             | TKE-B WSE7                  |                     | 1  | 383.899   | -             | -       | ■               | ■                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Carrying case<br>                                        | Made of shock-resistant plastic for the WST and WSE 7 as well as for sanding tools and exchangeable heads.                                                                                            | TK-S WST/WSE 7              |                     | 1  | 389.986   | -             | -       | ■               | ■                | ■          | ■               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Storage system<br>                                      | Fits on to the industrial vacuum cleaner S 47, S 47 M, VCE 35 L AC, VCE 45 L AC, VCE 45 M AC, VCE 45 H AC for storing the WST 700 VV Giraffe®, WST 1000 FV or MS 1706 FR wall chaser and vacuum hose. | OS-VSE 35/45                |                     | 1  | 350.370   | -             | -       | -               | -                | ■          | ■               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Anti-static suction hose with auxiliary air control<br> | Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (320.188), antistatic. Includes variable adjustment of suction power for reduction of vacuum.           | SH-C 32x4m AS/NL            |                     | 1  | 406.708   | ■             | ■       | -               | -                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Clip-on quick clamping ring red<br>                     | For suction adapter SAD-FC 32 and for GE 5 /R, GSE 5 R.                                                                                                                                               | SH-FC 32                    |                     | 1  | 406.023   | ■             | ■       | -               | -                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Fast clip adapter<br>                                   | Change adapter on electric power tools with closed FLEX-Clip system for quick and easy detachment/attachment (quick clamping ring).                                                                   | SAD-FC 32                   |                     | 1  | 410.497   | -             | -       | ■               | ■                | ■          | ■               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
| Hexagon socket wrench, SW 5<br>                         | For changing the backing pads.                                                                                                                                                                        | Hexagon socket wrench, SW 5 |                     | 1  | 115.460   | -             | -       | -               | -                | -          | -               |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |
|                                                                                                                                            |                                                                                                                                                                                                       |                             |                     |    |           |               |         |                 |                  |            |                 |



GIRAFFE®

OKAPI®

## From coarse to fine. The Giraffe® abrasives from FLEX.



### The special selection

SELECT, the heavy-duty abrasive, is particularly suitable for soft filler materials with a high filler share. The corundum abrasive grain with open coating ensures a high removal rate. The high-grade white corundum and synthetic resin binding ensure a long service life.

### Low dust

Another feature of the SELECT abrasive is its low clogging property. The stable carrier material ensures a high degree of edge stability and tearing strength. The central perforation and edge extraction give rise to a more effective dust extraction.

### Edge stability

An absolute highlight is the carrier material of the SELECT velcro abrasive. The F paper with a 300 g/m<sup>2</sup> weight per unit area bestows a unique edge stability on the abrasive sheets. This is exclusive to FLEX.



### The "solution"

The SELECT P 16 velcro abrasive is particularly suitable for roughening wallpapered surfaces (or ingrain wallpaper) for quickly absorbing wallpaper stripper.

### To the point of perfection

The SELECT P 150 to P 220 velcro abrasive is ideal for preparing high-grade surfaces (filler techniques). The FLEX superfinishing pads are ideal all the way from polishing marble and smoothing plaster to high-gloss finish.

### For all jobs

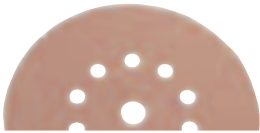
FLEX provides an extensive range of abrasives for various applications. A particular feature of the abrasives are their high removal rates and long service lives. This ensures economic working coupled with qualitatively high-grade results.





## There is always a solution. With the velcro sanding tools for the FLEX Giraffes.

### SELECTFLEX velcro sanding paper



Velcro sanding paper  
(perforated)



Velcro sanding grid



Superfinishing pad



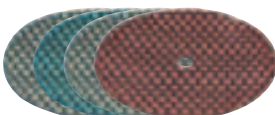
Velcro sanding fleece



Velcro polishing sponge



Diamond sanding pad



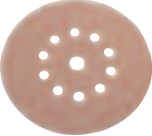
- |                |                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------|
| P 16:          | Roughening wallpaper surfaces (ingrain wallpaper) for rapid absorption of liquids (wallpaper stripper)                                   |
| P 16:          | Roughening polystyrene panels for heat insulation (styrofoam)                                                                            |
| P 40 – P 120:  | Blending plastered surfaces in the renovation section (existing plaster – new plaster)                                                   |
| P 60 – P 120:  | Roughen loose existing coatings                                                                                                          |
| P 100 – P 150: | Sanding completely filled areas, removing filler burrs and smoothing uneven surfaces on filled areas on drywall and gypsum plasterboards |
| P 120 – P 180: | Sanding stripped surfaces and removing wallpaper residue                                                                                 |
| P 150 – P 220: | Smoothing down as preparation for high-grade surfaces (filler method)                                                                    |
| P 150 – P 220: | Intermediate sanding of waxed, oiled or glazed wooden floors, wood panel floors and OSB boards (remove upright wood fibres)              |
| K 80 – K 100:  | Pre-sand basic plaster                                                                                                                   |
| K 80 – K 100:  | Sand down soft, smeary, not-yet hardened filler points                                                                                   |

- |                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| S 320 – S 1200: | Smooth and polish marble and smoothing plasters (wall and ceiling structuring) |
|-----------------|--------------------------------------------------------------------------------|

- |                |                                                                                                                             |
|----------------|-----------------------------------------------------------------------------------------------------------------------------|
| A 100 – A 180: | Pre-sanding, cleaning and matting existing paint coatings prior to repainting (large-vehicles, containers ...)              |
| A 180:         | Intermediate sanding of waxed, oiled or glazed wooden floors, wood panel floors and OSB boards (remove upright wood fibres) |

- |       |                            |
|-------|----------------------------|
| soft: | Polishing painted surfaces |
|-------|----------------------------|

Sanding pads for dry sanding, a great advantage for repair and renovation work. Suitable for sanding and polishing granite worktops, porcelain stoneware tiles, floor slabs, visible concrete surfaces, natural stone on window sills, claddings, sculptures, stairs.

|                                                                                     | Dimensions in mm | Designation             | Grit                    | QP | Order no. | GE 5 / GE 5 R | GSE 5 R | WSE 7 Vario Set | WSE 7 Vario Plus | WST 700 W | WST 700 W Plus |
|-------------------------------------------------------------------------------------|------------------|-------------------------|-------------------------|----|-----------|---------------|---------|-----------------|------------------|-----------|----------------|
|    | 225 Ø            | D225 PF-P40 VE25        | P 40                    | 25 | 280.739   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P60 VE25        | P 60                    | 25 | 260.233   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P80 VE25        | P 80                    | 25 | 260.234   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P100 VE25       | P 100                   | 25 | 260.235   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P120 VE25       | P 120                   | 25 | 282.405   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P150 VE25       | P 150                   | 25 | 311.995   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P180 VE25       | P 180                   | 25 | 311.987   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 PF-P220 VE25       | P 220                   | 25 | 260.236   | ■             | ■       | ■               | ■                | ■         | ■              |
|   | 225 Ø            | D225-10 SE-P16 VE10     | P 16                    | 10 | 350.079   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P40 VE20     | P 40                    | 20 | 370.924   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P60 VE25     | P 60                    | 25 | 348.503   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P80 VE25     | P 80                    | 25 | 348.511   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P100 VE25    | P 100                   | 25 | 348.538   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P120 VE25    | P 120                   | 25 | 349.216   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P150 VE25    | P 150                   | 25 | 349.224   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P180 VE25    | P 180                   | 25 | 349.232   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P220 VE25    | P 220                   | 25 | 348.546   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225-10 SE-P80-180 VE25 | 5x P 80/100/120/150/180 | 25 | 370.932   | ■             | ■       | ■               | ■                | ■         | ■              |
|  | 290              | 290-12 SE-P16 VE10      | P 16                    | 10 | 350.095   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P40 VE20      | P 40                    | 20 | 370.940   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P60 VE25      | P 60                    | 25 | 348.554   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P80 VE25      | P 80                    | 25 | 348.562   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P100 VE25     | P 100                   | 25 | 348.570   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P120 VE25     | P 120                   | 25 | 349.240   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P150 VE25     | P 150                   | 25 | 349.259   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P180 VE25     | P 180                   | 25 | 349.267   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P220 VE25     | P 220                   | 25 | 348.589   | -             | -       | -               | ■                | -         | ■              |
|                                                                                     |                  | 290-12 SE-P80-180 VE25  | 5x P 80/100/120/150/180 | 25 | 370.959   | -             | -       | -               | ■                | -         | ■              |
|  | 225 Ø            | D225 GT-K80 VE25        | K 80                    | 25 | 260.237   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 GT-K100 VE25       | K 100                   | 25 | 260.230   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |
|  | 225 Ø            | D225 SU-S320 VE10       | S 320                   | 10 | 281.026   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 SU-S1200 VE10      | S 1200                  | 10 | 281.018   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |
|  | 225 Ø            | D225 SC-A100 VE10       | A 100                   | 10 | 281.042   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  | D225 SC-A180 VE10       | A 180                   | 10 | 281.034   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |
|                                                                                     |                  |                         |                         |    |           |               |         |                 |                  |           |                |

■ suitable  
- not suitable

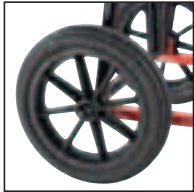
|                                                                                                              | Dimensions in mm | Designation     | Grit | QP | Order no. | GE 5 / GE 5 R | GSE 5 R | WSE 7 Vario Set | WSE 7 Vario Plus | WST 700 W | WST 700 W Plus |
|--------------------------------------------------------------------------------------------------------------|------------------|-----------------|------|----|-----------|---------------|---------|-----------------|------------------|-----------|----------------|
| Velcro polishing sponge<br> | 225 Ø            | PS-W 225/5 VE5  | soft | 5  | 280.992   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
| Diamond sanding pad<br>     | 225 Ø            | DP 30 DRY D225  | 30   | 1  | 419.060   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
| Diamond sanding pad<br>     | 225 Ø            | DP 50 DRY D225  | 50   | 1  | 419.079   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
| Diamond sanding pad<br>   | 225 Ø            | DP 80 DRY D225  | 80   | 1  | 419.087   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
| Diamond sanding pad<br>   | 225 Ø            | DP 100 DRY D225 | 100  | 1  | 419.095   | ■             | ■       | ■               | ■                | ■         | ■              |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |
|                                                                                                              |                  |                 |      |    |           |               |         |                 |                  |           |                |





## Mobile workstation Giraffe. For all those who aim high.

The FLEX Giraffen-Mobil GM 320 is a mobile workstation for processing walls and ceilings using FLEX Giraffen. Above all, the Giraffen-Mobil GM 320 greatly facilitates the sanding of large surfaces. As the user does not have to lift the Giraffe® himself, he expends much less energy and therefore does not get tired quickly.



### Large wheels

Large rubber wheels ensure optimal stability and manoeuvrability on construction sites. Additional covers on the wheel hubs provide protection against damage to walls.



### High-precision mechanism

Corrosion-protected tool holder guarantees maximum service life and smooth assembly and disassembly. Cushioned swivel arm for setting the sanding angle easily and perfectly.



### Very mobile

Steering roller with locking and optimised running characteristics. Rolls over dirt and objects, guarantees precise and easy manoeuvring.



### Easy

Sandpaper easy to change. The guide arm is easily swivelled downwards.



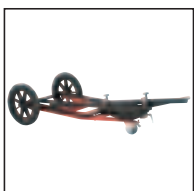
### Stable

Weight-optimised base plate allows the extractors to stop safely.



### Saves time

Lever tensioner for quick assembly and disassembly.



### Easy and variable

Robust flap mechanism for compact transportation. Tool-free design. Immediately ready for use.



### Doubly secured

Dual clamped height adjustment allows safe, tool-free adjustment of the working height.



### More extraction power

Quick-change tool holder for use with the GE 5\*, GE 5 R\*, WST 700 VV and WST 1000 FV.

*\*only in conjunction with adapter GMA GE 5 (409.308)*



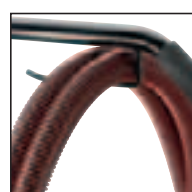
### Comfortable

Rubberized handle for maximum handling comfort.



### More control

Use the adapter included in the product package for chucking the WST 700 VV and WST 1000 FV.



### Order must prevail

Hose holder for greater order when working.



### Left, right

Tool holder, which can be swivelled by 45° on either side, for perfect sanding on sloping surfaces.



### Always connected to the power

2 x 230 V sockets for connection of the extractors or other electric power tools. Cable winder allows safe transportation.





## Mobile workstation Giraffe GM 320

### Are you still holding it?

5

Giraffe® wall and ceiling sander



#### Extra light

With the Giraffen-Mobil GM 320 FLEX offers a system which allows the user to work persistently without being affected by the weight of the Giraffe®. In addition, there is a considerable saving in energy and stress and fatigue are noticeably reduced.



#### Wall swiveller

The tool holder can be swivelled by 90° on either side for processing wall surfaces.



#### More comfort

Even the sanding tools can be changed with ease.



#### 3.20 m high – not a problem

Ceilings up to a height of 3.20 m can be processed without great exertion – and always with a secure footing.



#### The concrete solution

A greater deal of energy is usually required to process concrete walls and ceilings, as more pressure is required. The GM 320 significantly reduces this expenditure of energy.



#### Robust mobile device for building site

Above all you can process large surfaces for longer and without tiring. The robust Giraffen-Mobil GM 320 is also especially suitable for intensive use on construction sites.

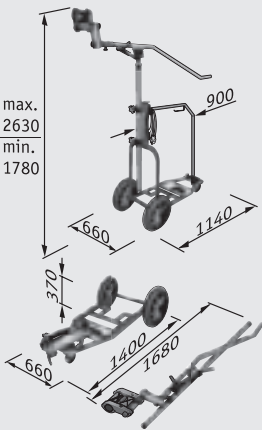


Mobile workstation for wall and ceiling sanders

- Mobile workstation for mounting of Giraffe® versions GE 5 / R, WSE 500, WST 700 VV and WST 1000 FV, enabling sustained use without any effect of the machine weight
- Significantly less user effort thanks to reduced fatigue and strain
- The mobile workstation has a durable frame for demanding applications on construction sites. The braked steering castor with optimum running characteristics ensures easy and precise steering. With weight-optimised base plate for the FLEX safety vacuum cleaner
- Large rubber wheels ensure optimal stability and manoeuvrability on construction sites. Additional covers on the wheel hubs provide protection against damage to walls.
- Assembly and disassembly without any tools thanks to quick-release clamps. Frame equipped with a robust folding mechanism for easy transport
- Equipped with soft grip handle, hose clip and cable holder for the 7.5 m rubber cable
- Two power outlets provide the connection for power tools with 230 V/CEE
- Tilting tool fixture (90° in both directions) incl. pivot joint for optimum ease of movement, adaptation to ceilings and walls and for a perfect finish on slanted surfaces
- Quick change of the Giraffe® without any tools through clamping in a robust tool fixture. The working height can also be adjusted without tools thanks to a double clamp on the lifting rod
- Optimal contact pressure at the sanding surface due to gas strut
- The plastic sliding bush ensures smooth running as well as precise guiding of the Giraffe® over the surface

SPECIFICATIONS

|                     |                                            |
|---------------------|--------------------------------------------|
| Power outlet        | 2 x 230 V                                  |
| Size ( W x L x H)   | 1140 x 660 x 1780 mm                       |
| Tool fixture        | all Giraffe types<br>(except WSE 7, GSE 5) |
| Max. working height | 3200 mm                                    |
| Weight              | 31,5 kg                                    |



| Standard equipment            | Order no. |
|-------------------------------|-----------|
| GM 320                        | 382.167   |
| Adapter for all FLEX Giraffes | 382.205   |

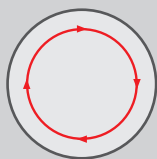
## FLEX. Sands and sands and sands...

Your demanding customers are focussing more and more on high-quality surfaces. Optimum preparation and corresponding technology are required to achieve this.

FLEX supports you with a comprehensive sander range that leaves nothing to be desired. Rotary, random orbit or orbital: We offer the right tool for any need. The following overview is to support you in finding the right machine.

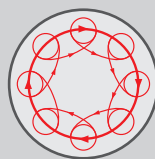
|                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Drive type                | Rotary                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| Pad shape                 |   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| Abrasiveness**            | 1                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| Abrasiveness graduation** | -                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                           |  |  |  |  |  |  |  |  |
| Type                      | LK 604                                                                              | LK 602 VR                                                                           | LG 1704 VR                                                                          | SFE 8-2 115                                                                         | SE 14-2 125/<br>SE 14-2 150                                                          | GE 5/GE 5 R/<br>GSE 5 R                                                               | WSE 7<br>Vario                                                                        | WST 700 VV<br>Vario                                                                   |
| Max. disc diameter        | 175                                                                                 | 175                                                                                 | 178                                                                                 | 115                                                                                 | 125 (150)                                                                            | 225                                                                                   | 225                                                                                   | 225                                                                                   |
| No load speed rpm         | 4000                                                                                | 800-2400                                                                            | 1400-4200                                                                           | 700-2300                                                                            | 600-2100                                                                             | 1100-1650                                                                             | 600-1800                                                                              | 1100-1700                                                                             |
| No load speed min.        | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                    | -                                                                                     | -                                                                                     | -                                                                                     |
| Orbit                     | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                    | -                                                                                     | -                                                                                     | -                                                                                     |
| Power input in watts      | 1200                                                                                | 1500                                                                                | 1500                                                                                | 710                                                                                 | 1400                                                                                 | 500                                                                                   | 710                                                                                   | 710                                                                                   |
| Tool fixture              | M 14                                                                                | M 14                                                                                | M 14                                                                                | velcro                                                                              | M 14                                                                                 | velcro                                                                                | velcro                                                                                | velcro                                                                                |
| Weight kg                 | 3.2                                                                                 | 3.5                                                                                 | 2.7                                                                                 | 2.7                                                                                 | 2.6                                                                                  | 3.9/3.9/3.7                                                                           | 2.8                                                                                   | 4.8                                                                                   |
| Extraction                | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | •                                                                                    | •                                                                                     | •                                                                                     | •                                                                                     |
| FLEX clip connection      | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | -/•                                                                                  | •                                                                                     | •                                                                                     | •                                                                                     |
| Transport box/bag         | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   | L-BOXX®                                                                              | •                                                                                     | •                                                                                     | •                                                                                     |

Abrasiveness\*\* 1-3 (1 = highest removal, 3 = least removal), Graduation 1-5 (1 = highest removal, 5 = least removal)



### Rotary

The pad performs a circular movement.  
Abrasiveness 1 \*



### Random orbit

The pad runs freely (not powered) and performs an eccentric movement.  
Abrasiveness 2 \*



### Orbital

The pad performs an oscillating movement.  
Abrasiveness 3 \*

\*Abrasiveness 1-4 (1 = highest removal, 4 = least removal)

| Random orbit |             |             |             |            | orbital      |             |             |                  |                       |
|--------------|-------------|-------------|-------------|------------|--------------|-------------|-------------|------------------|-----------------------|
|              |             |             |             |            |              |             |             |                  |                       |
| 2            |             |             |             |            | 3            |             |             |                  |                       |
| 5            | 4           | 3           | 2           | 1          | –            |             |             |                  |                       |
|              |             |             |             |            |              |             |             |                  |                       |
| XS 713       | ORE 125-2   | ORE 150-3   | ORE 150-5   | X 1107 VE  | MS 713       | OSE 80-2    | ODE 100-2   | WSE 7 Vario Plus | WST 700 VV Vario Plus |
| 125          | 125         | 150         | 150         | 150        | 115 x 105    | 80 x 130    | 100 x 150   | 290 x 250        | 290 x 250             |
| –            | 8000-13000  | 5800-10000  | 5800-10000  | –          | –            | 8000-13000  | 8000-13000  | 600-1800         | 1100-1700             |
| 12000        | 16000-26000 | 11600-20000 | 11600-20000 | 4300-13000 | 14000        | 16000-26000 | 16000-26000 | 1800-5400        | 3300-5100             |
| 1.6          | 2.0         | 3.0         | 5.0         | 8.8        | 1.6          | 2.0         | 2.0         | –                | –                     |
| 230          | 200         | 350         | 350         | 710        | 220          | 200         | 200         | 710              | 710                   |
| velcro       | velcro      | velcro      | velcro      | velcro     | velcro/clamp | velcro      | velcro      | velcro           | velcro                |
| 1.3          | 1.2         | 2.1         | 2.1         | 2.7        | 1.2          | 1.2         | 1.2         | 2.8              | 4.8                   |
| •            | •           | •           | •           | •          | •            | •           | •           | •                | •                     |
| –            | –           | –           | –           | –          | –            | –           | –           | •                | •                     |
| –            | L-BOXX®     | L-BOXX®     | L-BOXX®     | –          | –            | L-BOXX®     | L-BOXX®     | •                | •                     |

SUPRA**FLEX**





## The universal and high-performance sanding specialist.

High-quality surfaces more and more come to the focus of demanding customers. This requires best preparation and the corresponding technology. The SUPRAFLEX and the matching sanding materials achieve best working results. High removal rates at best surface quality – this is what the SUPRAFLEX stands for. No matter if painted surfaces, metal, wood or natural and synthetic stone – the SUPRAFLEX has the right solution for almost any material. The SUPRAFLEX is available in two versions. SE 14-2 125 for small to medium-sized areas with a disc guard-Ø of 125 mm and SE 14-2 150 for larger areas with a guard-Ø of 150 mm.





## The smooth running power pack.

The SUPRAFLEX gear is an innovative combination of planetary and angular gears. This leads to special benefits such as high torques at low speeds, the very compact build and extremely low noise development. These gears also achieve a particularly long service life. Additionally, this optimises motor cooling. The ergonomic and compact build supplement the self-explanatory, clear and functional shape.



### Grip hood with SoftGrip

Ergonomically shaped for optimum and precise control of the machine. A side handle can be screwed on if required.



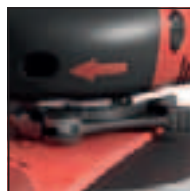
### Extraction hood with swivel segment

Enables you to work near edges at maximum extraction power. Can be opened without any tools.



### Compact and ergonomical

Thanks to the ergonomical and low design as well as the low weight, even areas which are difficult to access can be processed easily.



### Easy and without any tools

Height adjustment and removal of the extraction guard hood without additional tool.



### Simple operation

Sliding switch for single-hand operation. Also approved for processing metal and stone.



### FLEX Clip system

For fixed hose connection. Adapter with FLEX Clip connection for Ø 32 mm snap connection included in the standard equipment.



### Removal without end

Powerful and high-output 1400 watt motor for greater removal rate than traditional random orbit sanders.



### Spindle lock

Ideally positioned to prevent improper operation and does not interfere with the grip area.



### Controllable speed of 600–2100 rpm

The speed control ensures that the speed is correctly adjusted for grinding and polishing.



### Intelligent air flow

The optimised air flow ensures the best possible cooling of gearbox and motor. And there is no annoying exhaust air for the user.



### Extremely quiet

The gearbox of the SUPRAFLEX is an innovative combination of planetary and lapped angular gears. Planetary gears can transmit very high torques despite their very compact design. Extremely low noise generation thanks to sound optimization, even under load.



### Good for your health

The 8-hole system ensures a virtually dust-free workplace.



## The specialist for painted surfaces.



### Convincing extraction power

In conjunction with the FLEX safety vacuum cleaners the SUPRAFLEX, thanks to its unique extraction power, ensures a virtually dust-free workplace.



### Precise and safe control

With the ergonomically shaped grip hood with SoftGrip the SUPRAFLEX can be guided precisely and safely.



### Unique removal rate

1400 watts provide adequate power reserves at all speed ranges. This allows unique removal rates on all materials.



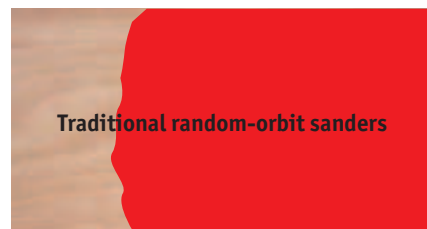
### Running extremely quiet

Motor and gearbox are characterised in this class by a unique smooth running performance. Furthermore, the noise generation is considerably reduced by sound optimisation.



### Up to the edge

The extraction hood of the SUPRAFLEX enables you to work near edges at maximum extraction power. The segment can be opened quickly and without any tools.



Traditional random-orbit sanders



SUPRAFLEX

### Sanding performance per minute

The SUPRAFLEX has a 300% greater removal rate than traditional random orbit sanders (source: FLEX test workshop).

## The specialist for stainless steel and steel alloy.



### Gentle removal on any surface

Old paints and varnishes on metal surfaces can be removed effortlessly with the SUPRA**FLEX**. Despite its high removal rate, it protects the surfaces.



### Versatile applications

Polishing flap discs for sanding, cleaning and finishing work can also be used for processing stainless steel. The required accessories, clamping flange and clamping nut, are included in the stainless steel set 393.428.



### Suitable for processing aluminium

The excellent extraction power and the low speeds also allow aluminium and galvanised steel to be processed.



### CERA**FLEX**

The new sanding tool CERA**FLEX** is characterised by a high removal rate with low heat generation and above all by its special ceramic grit on the fabric base. This extends the service life significantly and increases the cost-effectiveness.



### CORK**FLEX**

The coarse structure of CORK**FLEX** reduces heat generation on the surface, above all when fine sanding. As a result, the service life is three times longer than comparable sanding tools. The cork accessory also provides a better deep cleaning of the surface. For a greater gloss and better haptics.



### It stays cool

The optimised air flow ensures the best possible cooling of gearbox and motor. And there is no annoying exhaust air for the user.



## The specialist for natural and artificial stone.



### Working in all positions

The ergonomics and especially the handling of the SUPRAFLEX also facilitate the processing of difficult areas. Particularly where details are important.



### Close to the surface

The SUPRAFLEX has a very flat gear head to keep the distance from the surface as small as possible. This facilitates precise control of the machine.



### Diamond pads for dry sanding

Without using water. This has a huge advantage for repair and renovation work indoors. In conjunction with the dust extractor there is almost no debris.



### Make something new from something old!

Worn or damaged natural or artificial stone for steps, window sills, floor tiles, exposed concrete areas, etc. can be processed effortlessly with the SUPRAFLEX and the suitable accessories.



### Also outstandingly powerful

Despite the opened guard hood, the extraction power of the SUPRAFLEX remains constant. This avoids constantly opening and closing the hood when processing small areas near edges.



### Brilliant result up to the edge

The guard hood of the SUPRAFLEX was designed in such a way that the upright surface is not damaged when sanding and polishing near edges.

## The specialist for wood processing.



### Optimum handling

When sanding, the right feel is always important. The rubberised grip hood of the SUPRAFLEX ensures the perfect grip and safe control.



### When things get tight

Thanks to the low height of the housing, the SUPRAFLEX can also be guided effortlessly in confined areas.



### From sanding to polishing

Remove the guard hood easily and without any tools, set the optimum speed and the sander becomes a polisher. It can't be simpler.



### Two-stage gearbox

The innovative two-stage gearbox of the SUPRAFLEX reaches a high torque even at low speeds. This ensures rapid work progress.



### Pianissimo

The SUPRAFLEX is also characterised by its very low noise development. This makes work even more pleasant.



### Polishing felt pads

Made from natural raw materials. Ideally suited for polishing stainless steel, non-ferrous metals, wood surfaces, mineral-based materials, paints, glass, acrylic glass (in conjunction with the correct polishes/agents and oils for sealing and care).

## Surface finishing sanding

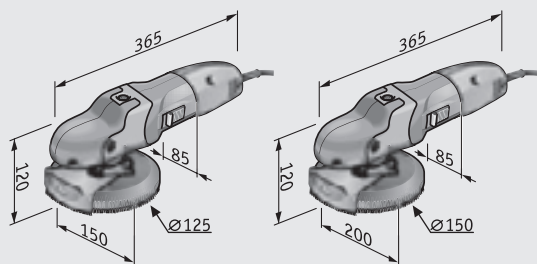
SUPRAFLEX SE 14-2 125 Set

SUPRAFLEX SE 14-2 150 Set



### SPECIFICATIONS

|                                           |                    |
|-------------------------------------------|--------------------|
| Max. back-up pad diameter SE 14-2 125 Set | 125 mm             |
| Max. back-up pad diameter SE 14-2 150 Set | 150 mm             |
| No load speed                             | 600-2100 rpm       |
| Power input                               | 1400 watt          |
| Power output                              | 880 watt           |
| Tool fixture                              | M 14               |
| Size (W x L x H) SE 14-2 125 Set          | 365 x 150 x 120 mm |
| Size (W x L x H) SE 14-2 150 Set          | 365 x 200 x 120 mm |
| Cable length                              | 4,0 m              |
| Weight                                    | 2,6 kg             |



| Standard equipment                   | Order no.      |
|--------------------------------------|----------------|
| <b>SE 14-2 125 Set</b>               | <b>391.174</b> |
| 1 guard SG D125 SE                   | 393.363        |
| 1 extraction adapter SAD-C D32 AS    | 393.398        |
| 1 auxiliary handle SE 14-2 125 M8    | 391.581        |
| 1 velcro sanding pad SP D125-8 H/F   | 391.727        |
| 4 sheets of sandingpaper Ø 125 mm    | 1 set          |
| 1 offset face spanner                | 392.537        |
| 1 hexagon socket wrench, SW 4        | 102.229        |
| 1 hexagon socket wrench, SW 5 long   | 392.731        |
| 3 cable clips                        | 252.188 (3x)   |
| 1 carrying case L-BOXX® 238          | 414.093        |
| 1 case insert                        | 414.158        |
| <b>SE 14-2 150 Set</b>               | <b>419.206</b> |
| 1 guard SG D150 SE                   | 419.176        |
| 1 auxiliary handle SE 14-2 125 M8    | 391.581        |
| 1 velcro sanding pad SP D150-8/6 H/F | 419.192        |
| 4 sheets of sandingpaper Ø 150 mm    | 1 set          |
| 1 offset face spanner                | 392.537        |
| 1 hexagon socket wrench, SW 4        | 102.229        |
| 1 hexagon socket wrench, SW 5 long   | 392.731        |
| 3 cable clips                        | 252.188 (3x)   |
| 1 carrying case L-BOXX® 238          | 414.093        |
| 1 case insert                        | 414.158        |



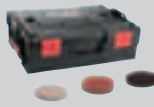
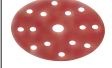
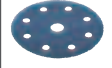
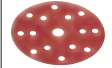
### SUPRAFLEX, the sanding specialist for painted surfaces, wood, stone and metal

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start protection and temperature monitoring.
- Powerful 1400 watt motor with highly-efficient ventilator for optimum cooling
- Ideal air flow for optimum cooling of motor and gear. No annoying exhaust air for the user
- Innovative combination of planetary and angular gears reduces noise to an absolute minimum
- Flat gear head reduces distance to the surface. The machine can therefore be operated safely in any position.
- Grip hood: ergonomically shaped with SoftGrip. The machine can be controlled with precision and is always comfortable yet secure to hold.
- Completely cast electronic components prevents damage due to metal dust. Protective guard on the winding end of the armature and plated winding on the armature. The 3-fold winding protection reduces motor wear, increases service life.
- Epoxy-coated winding on the field coil
- Guard with pivoting edge segment
- Genuine operation thanks to conveniently placed and dust-protected on/off switch
- 4 metres PUR H07-BQF cable: wear-resistant, flexible and highly resistant to cuts and abrasions
- Spindle lock
- Sanding specialist for refurbishing, renovating, modernising, processing stainless steel, metal, natural/artificial stone, wood surfaces, painted surfaces

Accessories from page 160  
Abrasives from page 165

## Paint-/Inox-/Stone Set

The right accessory set for any application in the practical L-BOXX®.

| Paint Set D150  |                                                                                     |                                    | Paint Set D125  |                                                                                     |                                    | Inox Set D125  |                                                                                     |                                    | Stone Set D125  |                                                                                       |                                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------|
| Order no. 408.468                                                                                |                                                                                     |                                    | Order no. 393.436                                                                                |                                                                                     |                                    | Order no. 393.428                                                                                |                                                                                     |                                    | Order no. 393.444                                                                                  |                                                                                       |                                      |
| PC                                                                                               | Designation                                                                         |                                    | PC                                                                                               | Designation                                                                         |                                    | PC                                                                                               | Designation                                                                         |                                    | PC                                                                                                 | Designation                                                                           |                                      |
| 1                                                                                                |    | Carrying case L-BOXX® 136 + Insert | 1                                                                                                |    | Carrying case L-BOXX® 102 + Insert | 1                                                                                                |    | Carrying case L-BOXX® 102 + Insert | 1                                                                                                  |    | Carrying case L-BOXX® 102 + Insert   |
| 5                                                                                                |   | PURFLEX D150-15 PU-P60 VE50        | 10                                                                                               |   | ZIRCOFLEX D125-8 ZI-A40 VE25       | 1                                                                                                |   | Natural fibre felt pad hard        | 1                                                                                                  |   | Natural fibre felt pad hard          |
| 5                                                                                                |  | PURFLEX D150-15 PU-P80 VE50        | 10                                                                                               |  | ZIRCOFLEX D125-8 ZI-A60 VE25       | 1                                                                                                |  | Natural fibre felt pad soft        | 1                                                                                                  |  | Natural fibre felt pad soft          |
| 5                                                                                                |  | PURFLEX D150-15 PU-P100 VE50       | 10                                                                                               |  | ZIRCOFLEX D125-8 ZI-A80 VE25       | 3                                                                                                |  | CORKFLEX D125 CO-P280 VE15         | 1                                                                                                  |  | Diamond sanding pad DP 50 DRY D125   |
| 5                                                                                                |  | PURFLEX D150-15 PU-P120 VE50       | 10                                                                                               |  | SELECTFLEX D125-8 SE-P120 VE50     | 3                                                                                                |  | CORKFLEX D125 CO-P400 VE15         | 1                                                                                                  |  | Diamond sanding pad DP 100 DRY D125  |
| 5                                                                                                |  | PURFLEX D150-15 PU-P150 VE50       | 10                                                                                               |  | SELECTFLEX D125-8 SE-P180 VE50     | 3                                                                                                |  | CORKFLEX D125 CO-P800 VE15         | 1                                                                                                  |  | Diamond sanding pad DP 400 DRY D125  |
| 5                                                                                                |  | SELECTFLEX D150-15 SE-P60 VE50     | 1                                                                                                |  | MESHFLEX D125-8 ME-A100 VE5        | 10                                                                                               |  | CERAFLEX D125 CE-K80 VE50          | 1                                                                                                  |  | Diamond sanding pad DP 800 DRY D125  |
| 5                                                                                                |  | SELECTFLEX D150-15 SE-P80 VE50     | 1                                                                                                |  | MESHFLEX D125-8 ME-A280 VE5        | 10                                                                                               |  | CERAFLEX D125 CE-K120 VE50         | 1                                                                                                  |  | Diamond sanding pad DP 3000 DRY D125 |
| 5                                                                                                |  | SELECTFLEX D150-15 SE-P100 VE50    |                                                                                                  |                                                                                     |                                    | 10                                                                                               |  | CERAFLEX D125 CE-K180 VE50         |                                                                                                    |                                                                                       |                                      |
| 5                                                                                                |  | SELECTFLEX D150-15 SE-P120 VE50    |                                                                                                  |                                                                                     |                                    | 1                                                                                                |  | Velcro sanding fleece coarse       |                                                                                                    |                                                                                       |                                      |
| 5                                                                                                |  | SELECTFLEX D150-15 SE-P320 VE50    |                                                                                                  |                                                                                     |                                    | 1                                                                                                |  | Velcro sanding fleece medium       |                                                                                                    |                                                                                       |                                      |
| 1                                                                                                |  | MESHFLEX D150 ME-A100 VE5          |                                                                                                  |                                                                                     |                                    | 1                                                                                                |  | Velcro sanding fleece very fine    |                                                                                                    |                                                                                       |                                      |
| 1                                                                                                |  | MESHFLEX D150 ME-A280 VE5          |                                                                                                  |                                                                                     |                                    | 1                                                                                                |  | Clamping flange CF SE 14-2         |                                                                                                    |                                                                                       |                                      |
|                                                                                                  |                                                                                     |                                    |                                                                                                  |                                                                                     |                                    | 1                                                                                                |  | Clamping nut                       |                                                                                                    |                                                                                       |                                      |







## The little one-hand sanders with optimised working comfort and very smooth operation.

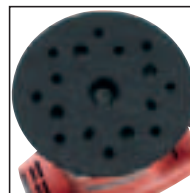
The FLEX palm sanders OSE 80-2 and FLEX delta sanders ODE 100-2 are particularly suitable for sanding small areas, corners and edges. The FLEX random orbit sander ORE 125-2 is ideal for sanding shapes and radii. All FLEX single-hand sanders are characterised by a very high surface quality particularly when used for fine sanding.

The FLEX single-hand sanders are extremely robust thanks to the dustproof bearing. A special balancing system ensures low-vibration operation – this protects joints when working. The highly precise machining of all components considerably reduces noise generation. The compact and particularly light-weight single-hand power tools with optimum ergonomics provide comfortable working conditions.



### Single-hand operation

Genuine single-hand operation thanks to conveniently placed and dust-protected On/Off switch.



### They are hard-wearing

All single-hand sanders feature sanding plates made of a very hard-wearing special material.



### Softgrip

Always safe stop and good guidance of the device thanks to easy-to-use handle cap with Softgrip insert.



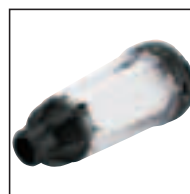
### High extraction power

Clean workplace and good health protection thanks to integrated extractor or connection of an extractor.



### Always the correct tempo

Sanding speed to suit the material due to speed control. No more damaged workpieces.



### Two-part filter element

Micro filter unit and filter cartridge – a simple bayonet lock permits quick and simple removal and cleaning or replacement of the filter unit.

## The small FLEX one-hand sanders

Ideal for countless applications.



The FLEX single-hand sanders are characterised by their excellent handling and lightweight properties. Whether you want to sand down old paint on wood, grout, wood floors, metal surfaces or wall paints – you always achieve best results with the FLEX single-hand sanders.

## To the best results with feeling.



### Genuine single-hand operation

Genuine single-hand operation possible thanks to the ergonomic design and the optimally positioned On/Off switch. The Softgrip insert also supports comfortable handling.



### Effective integrated extraction

The integrated dust extractor ensures greater cleanliness at the workplace and provides effective protection for your health. Either with filter cassette or with connection (Ø 27 mm) for extractors.



### Corner specialist

The FLEX delta sander ODE 100-2 easily access the smallest corner. Any additional manual work is therefore unnecessary.



### Light-weight

Even when working overhead, the single-hand sanders from FLEX are characterized by their easy handling and low weight.



### Totally perfect

The FLEX random orbit sander ORE 125-2 is the ideal solution for sanding shapes and radii.



### For the perfect surface

When sanding with the ORE 125-2, the random orbit technology and the disc brake produce an optimum surface quality.





## The large random-orbit sander – for the perfect polish.

The two ergonomic and high-performance random-orbit sanders ORE 150-3 and ORE 150-5 expand the FLEX range for surface finishing by sanding. Available with a stroke of 3 mm or 5 mm, the devices are particularly characterised by their very smooth operation and ergonomic build. Both devices are equipped with an effective internal vacuum cleaner. The arising sanding dust is collected in the innovative micro filter cartridge. The new 15-hole hook-and-loop sanding discs with integrated multihole extraction can be ideally combined with the comprehensive FLEX sanding equipment range.



### Speed adjustment

Material-compatible sanding speeds prevent damage to the workpiece and achieve best surface processing.



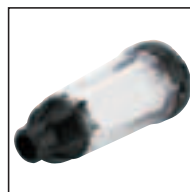
### Cyclone air routing

Diagonal fins create a circulating air flow for longer usage times of the filter element.



### One- and two-hand operation

Perfect handling of the machine due to the ergonomically placed and dust-protected on/off switch.



### Two-part filter element

Micro filter unit and filter cartridge – a simple bayonet closure permits quick and simple removal and cleaning or replacement of the filter unit.



### Ergonomic 2-K grip cap

The 2-K-soft grip permits secure and safe handling, and as a result careful control of the sander.



### Filter unit of PES

The robust filter unit with large filter area of PES material is easy to clean and achieves a much longer usage duration than when using a conventional filter bag.



### Multihole circle and dust extraction

For additional cleanliness at the workplace and as an effective protection of the user's health. The pad holder improves stability and makes it easier to change the pad.



### Integrated extraction

Filter cartridge DN 27 of impact-resilient plastic and washable microfilter element (PES) with high sanding dust absorption by cyclone air routing at the filter.



### Connection for extractors

Standardised connection for suction hoses with Ø 27 mm or Ø 32 mm with the matching FLEX suction adapter. The extraction socket can be pushed on and pulled off quickly and easily, for short equipment times and simple handling.



## Universally applicable

Low-vibration, particularly practical and low-dust.



The new ORE 150-3 random-orbit sander with a stroke of 3 mm is particularly suitable for fine surface processing. Ideal for pre-sanding before polishing, for the final polish of fillers and mineral materials and the last polish for waxing of wood surfaces. With the new ORE 150-5 with a stroke of 5 mm, all coarse and interim sanding work can be performed on surfaces, level areas, curves and shapes, as well as the final polish of fillers.

## Rests perfectly in your hand.



### Ergonomic housing

The ergonomically designed housing with its very user-friendly handling ensures fatigue-free work.



### Particularly low vibration

A special balance with compensator weight and optimised bearing permits low-vibration work.



### Always in view

The new ORE 150 achieves particularly high surface qualities, no matter if on flat surfaces, shapes or curves – even overhead.



### Optimised air routing

The outstanding motor cooling prevents unpleasant heat development.



### Integrated pad brake

The integrated pad brake prevents sanding grooves at the work piece and makes expensive rework unnecessary.



### Innumerable applications

Light sanding, roughing, cleaning or matting – the new ORE 150-3 and ORE 150-5 can do it all in combination with the matching FLEX sanding material.

## Surface finishing sanding

ORE 125-2

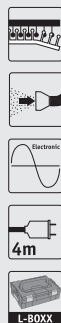
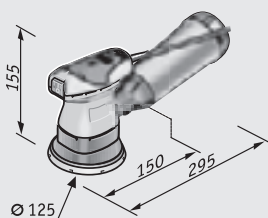
ORE 125-2 Set



**NEW**

### SPECIFICATIONS

|                            |                   |
|----------------------------|-------------------|
| Power input                | 200 watt          |
| No load speed              | 8000 - 13000 rpm  |
| Orbit rate, no load        | 16000 - 26000 opm |
| Orbit                      | 2,0 mm            |
| Backing pad                | Ø 125 mm          |
| Sanding media fixing       | velcro            |
| Dust extraction connection | Ø 27 mm           |
| Cable length               | 4,0 m             |
| Weight                     | 1,2 kg            |



### Handy random-orbit sander with speed control, 125 mm

- Material-compatible sanding speed by adjustable speed. No elaborate rework due to damaged surfaces
- Ergonomically designed, handy grip cover with soft grip insert ensures a secure grip and good guidance
- Small and particularly light one-handed unit with excellent ergonomics and special balancing for low-vibration operation to make work effortless and reduce the stress on joints of the user
- Impact-resistant filter cartridge with exchangeable PES filter allows simple dust disposal or cleaning of the filter as well as maximum service life
- PES filter cartridge with cyclone function for dust-free and efficient working
- External dust extraction Ø 27 mm, antistatic suction hose SH 27x4m AS (379.395) can be connected
- High-performance sanding pad: highly durable and abrasion-resistant
- Equipped with disc brake, as a result no unwanted sanding marks are produced on the workpiece and expensive corrective finishing is not required
- Especially suitable for overhead work

| Standard equipment                      | Order no.          |
|-----------------------------------------|--------------------|
| <b>ORE 125-2</b>                        | <b>429.872</b>     |
| 1 velcro backing pad                    | 436.348            |
| 1 PES microfilter cartridge with filter | 407.984            |
| <b>ORE 125-2 Set</b>                    | <b>429.880</b>     |
| 1 velcro backing pad                    | 436.348            |
| 1 PES microfilter cartridge with filter | 407.984            |
| 1 sanding paper SELECTFLEX P 80         | 1 piece of 380.547 |
| 1 sanding paper PURFLEX P 120           | 1 piece of 380.687 |
| 1 carrying case L-BOXX® 136             | 414.085            |
| 1 case insert                           | 412.198            |

Accessories from page 160  
Abrasives from page 165



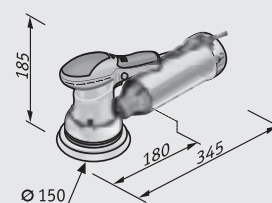
### Powerful random-orbit sander with speed control, 150 mm

- Material-compatible sanding speed by adjustable speed . No elaborate rework due to damaged surfaces
- Effective dust extraction thanks to integrated extractor for dust-free working with filter cartridge
- Ergonomically designed, handy grip cover with soft grip insert ensures a secure grip and good guidance
- Impact-resistant filter cartridge with exchangeable PES filter allows simple dust disposal or cleaning of the filter as well as maximum service life
- PES filter cartridge with cyclone function for dust-free and efficient working
- 150 mm handy random-orbit sander with the best ergonomics and special balancing system for low-vibration operation. Provides comfortable and joint-friendly working conditions
- External dust extraction Ø 27 mm, antistatic suction hose SH 27x4m AS (379.395) can be connected
- High-performance sanding pad: highly durable and abrasion-resistant
- Velcro pad and sanding discs with 15-hole design (8 outside, 6 inside, 1 in the centre) for optimum low-dust extraction
- Equipped with disc brake, as a result no unwanted sanding marks are produced on the workpiece and expensive corrective finishing is not required
- Especially suitable for overhead work



### SPECIFICATIONS

|                            |                   |
|----------------------------|-------------------|
| Power input                | 350 watt          |
| No load speed              | 5800 - 10000 rpm  |
| Orbit rate, no load        | 11600 - 20000 opm |
| Orbit ORE 150-3            | 3,0 mm            |
| Orbit ORE 150-5            | 5,0 mm            |
| Backing pad                | Ø 150 mm          |
| Sanding media fixing       | velcro            |
| Dust extraction connection | Ø 27 mm           |
| Cable length               | 4,0 m             |
| Weight                     | 2,1 kg            |



| Standard equipment                      | Order no.          |
|-----------------------------------------|--------------------|
| <b>ORE 150-3</b>                        | <b>379.441</b>     |
| <b>ORE 150-5</b>                        | <b>379.468</b>     |
| 1 velcro sanding pad hard               | 408.301            |
| 1 PES microfilter cartridge with filter | 407.984            |
| 1 hexagon socket wrench, SW 5           | 115.460            |
| <b>ORE 150-3 Set</b>                    | <b>379.603</b>     |
| <b>ORE 150-5 Set</b>                    | <b>379.611</b>     |
| 1 velcro sanding pad hard               | 408.301            |
| 1 PES microfilter cartridge with filter | 407.984            |
| 1 sanding paper SELECTFLEX P 80         | 1 piece of 408.174 |
| 1 sanding paper PURFLEX P 120           | 1 piece of 408.050 |
| 1 hexagon socket wrench, SW 5           | 115.460            |
| 1 carrying case L-BOXX® 238             | 414.093            |
| 1 case insert                           | 407.895            |

# Surface finishing sanding

X 1107 VE



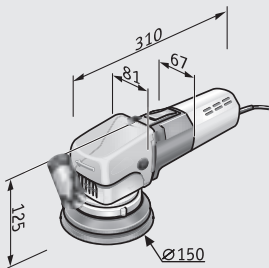
## SPECIFICATIONS

|                      |                |
|----------------------|----------------|
| Power input          | 710 watt       |
| Power output         | 420 watt       |
| Orbit                | 8,8 mm         |
| Orbit rate, no load  | 4300-13000 opm |
| Max. disc diameter   | 150 mm         |
| Sanding media fixing | velcro         |
| Cable length         | 4,0 m          |
| Weight               | 2,7 kg         |



## 710 watt random-orbit sander with dust extraction

- VE electronic control: with infinitely adjustable speed control
- Rugged, highly efficient motor
- Vacuum fitting: for connecting to vacuum cleaner, diameter 28 mm
- Suitable for coarse and fine sanding of wood and grinding painted metal surfaces and car body work
- Counterweight ensures low-vibration operation
- Plastic grip guard allows extremely sensitive guiding
- 150mm, 6-hole velcro grinding pad for low-dust extraction



| Standard equipment                                   | Order no.          |
|------------------------------------------------------|--------------------|
| <b>X 1107 VE</b>                                     | <b>218.669</b>     |
| 1 side handle                                        | 194.034            |
| Velcro sand paper, with 6 perforations, P 40, 150 Ø  | 1 piece of 302.988 |
| Velcro sand paper, with 6 perforations, P 80, 150 Ø  | 1 piece of 302.996 |
| Velcro sand paper, with 6 perforations, P 120, 150 Ø | 1 piece of 303.003 |
| Velcro sand paper, with 6 perforations, P 180, 150 Ø | 1 piece of 303.011 |
| Velcro sand paper, with 6 perforations, P 320, 150 Ø | 1 piece of 303.038 |
| 1 open-ended wrench SW 14                            | 100.102            |
| 1 hexagon socket wrench, SW 4                        | 102.229            |
| 1 grip cover                                         | 239.771            |
| 1 velcro pad (hard) 150 Ø                            | 228.176            |

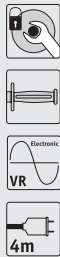
Accessories from page 160  
Abrasives from page 165



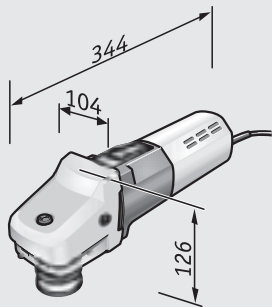


1500 watt grinder without extraction, 178 mm

- Highly efficient and resilient motor for more power output
- VR full-wave electronic control: with speed selection and constant speed control, soft start, overload protection.
- Spindle lock: for easy disc changes
- Ideally suited to low and medium-speed use with various grinding mediums
- The grip guard directly over the tool enables precise guidance of the power tool



| SPECIFICATIONS     |               |
|--------------------|---------------|
| Max. disc diameter | 178 mm        |
| No load speed      | 1400-4200 rpm |
| Power input        | 1500 watt     |
| Power output       | 1000 watt     |
| Cable length       | 4,0 m         |
| Weight             | 2,7 kg        |



| Standard equipment | Order no. |
|--------------------|-----------|
| LG 1704 VR         | 293.768   |
| 1 side handle      | 252.721   |

Surface finishing sanding  
LK 604



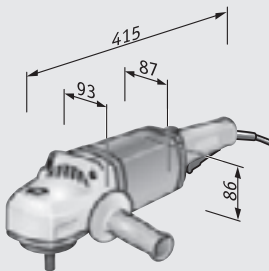
SPECIFICATIONS

|                    |           |
|--------------------|-----------|
| Max. disc diameter | 175 mm    |
| No load speed      | 4000 rpm  |
| Power input        | 1200 watt |
| Power output       | 720 watt  |
| Tool fixture       | M 14      |
| Cable length       | 4,0 m     |
| Weight             | 3,2 kg    |



1200 watt grinder without extraction, 175 mm

- Highly efficient and resilient motor for more power output
- No guard needed when using the flexible backing pad
- Rubber rest bar protects machine and surface of workpiece
- Spindle lock



| Standard equipment                                  | Order no. |
|-----------------------------------------------------|-----------|
| LK 604                                              | 250.346   |
| 1 side handle                                       | 252.721   |
| 1 pin wrench                                        | 100.110   |
| 1 flexible backing pad 170 Ø +<br>clamping nut M 14 | 124.079   |

Accessories from page 162  
Abrasives from page 165



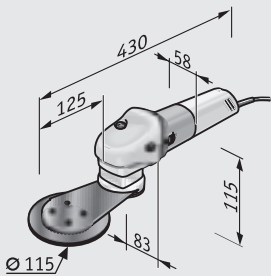
NEW

800 watt flat-head sander

- VE electronic control: with infinitely adjustable speed control
- Ideally suited to confined spaces from 15 mm gap width, e.g. window shutters, that are inaccessible with conventional grinders
- Handy, lightweight design



| SPECIFICATIONS     |              |
|--------------------|--------------|
| Power input        | 800 watt     |
| Power output       | 325 watt     |
| No load speed      | 700-2300 rpm |
| Max. disc diameter | 115 mm       |
| Sanding head level | 13 mm        |
| Cable length       | 4,0 m        |
| Weight             | 2,5 kg       |



Accessories from page 160  
Abrasives from page 165

| Standard equipment                         | Order no.          |
|--------------------------------------------|--------------------|
| SFE 8-2 115                                | 420.565            |
| 1 side handle                              | 194.034            |
| 1 sanding paper PURFLEX P 40               | 1 piece of 381.209 |
| 1 sanding paper PURFLEX P 80               | 1 piece of 381.225 |
| 1 sanding paper PURFLEX P 120              | 1 piece of 381.241 |
| 1 velcro velours with foam coating 80 mm Ø | 296.115            |

Surface finishing sanding  
XS 713



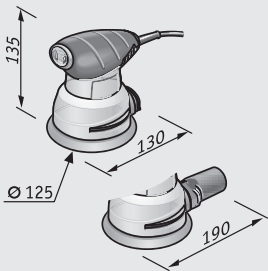
SPECIFICATIONS

|                      |           |
|----------------------|-----------|
| Power input          | 230 watt  |
| Power output         | 75 watt   |
| Orbit rate, no load  | 12000 opm |
| Orbit                | 1,6 mm    |
| Sand paper           | Ø 125 mm  |
| Sanding media fixing | velcro    |
| Cable length         | 4,0 m     |
| Weight               | 1,3 kg    |



230 watt random-orbit sander

- Quiet-running motor
- Ergonomically designed, non-slip, soft grip handle for safe, comfortable working
- Dust-proof on/off switch
- Connection to external dust extractor using the supplied adapter
- Integrated dust extraction with dust filter bag
- Compact, handy, lightweight design
- Easy velcro abrasive attachment



| Standard equipment                          | Order no. |
|---------------------------------------------|-----------|
| XS 713                                      | 334.111   |
| 1 velcro sanding paper, with 8 perforations | 1 piece   |
| 1 dust bag                                  | 332.992   |
| 1 adapter for dust extractor                | 333.026   |

Accessories from page 160  
Abrasives from page 165



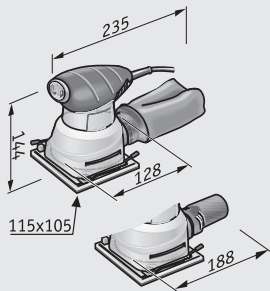
220 watt palm sander

- Quiet-running motor
- Ergonomically designed, non-slip, soft grip handle for safe, comfortable working
- Aluminium sanding support plate
- Dust-proof on/off switch
- Connection to external dust extractor using the supplied adapter
- Integrated dust extraction with dust filter bag
- Compact, handy, lightweight design
- Easy velcro abrasive attachment



SPECIFICATIONS

|                      |                |
|----------------------|----------------|
| Power input          | 220 watt       |
| Power output         | 120 watt       |
| Orbit rate, no load  | 14000 opm      |
| Orbit                | 1,6 mm         |
| Sand paper           | 115 x 105 mm   |
| Sanding media fixing | velcro / clamp |
| Cable length         | 4,0 m          |
| Weight               | 1,2 kg         |



| Standard equipment           | Order no. |
|------------------------------|-----------|
| MS 713                       | 332.380   |
| 1 paper punch                | 333.018   |
| 1 dust bag                   | 332.992   |
| 1 adapter for dust extractor | 333.026   |



## Surface finishing sanding

OSE 80-2

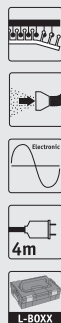
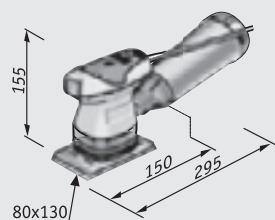
OSE 80-2 Set



**NEW**

### SPECIFICATIONS

|                            |                   |
|----------------------------|-------------------|
| Power input                | 200 watt          |
| No load speed              | 8000 - 13000 rpm  |
| Orbit rate, no load        | 16000 - 26000 opm |
| Orbit                      | 2,0 mm            |
| Backing plate              | 80 x 130 mm       |
| Sanding media fixing       | velcro            |
| Dust extraction connection | Ø 27 mm           |
| Cable length OSE 80-2 Set  | 4,0 m             |
| Weight                     | 1,2 kg            |



### Palm sander with speed control

- Material-compatible sanding speed by adjustable speed. No elaborate rework due to damaged surfaces
- Ergonomically designed, handy grip cover with soft grip insert ensures a secure grip and good guidance
- Small and particularly light one-handed unit with excellent ergonomics and special balancing for low-vibration operation to make work effortless and reduce the stress on joints of the user
- Impact-resistant filter cartridge with exchangeable PES filter allows simple dust disposal or cleaning of the filter as well as maximum service life
- PES filter cartridge with cyclone function for dust-free and efficient working
- External dust extraction Ø 27 mm, antistatic suction hose SH 27x4m AS (379.395) can be connected
- High-performance sanding pad: highly durable and abrasion-resistant
- Especially suitable for overhead work

| Standard equipment                      | Order no.          |
|-----------------------------------------|--------------------|
| <b>OSE 80-2</b>                         | <b>429.821</b>     |
| 1 velcro backing plate, 80x130 8F       | 436.305            |
| 1 PES microfilter cartridge with filter | 407.984            |
| <b>OSE 80-2 Set</b>                     | <b>429.848</b>     |
| 1 velcro backing plate, 80x130 8F       | 436.305            |
| 1 PES microfilter cartridge with filter | 407.984            |
| 1 sanding paper SELECTFLEX P 80         | 1 piece of 380.776 |
| 1 sanding paper PURFLEX P 120           | 1 piece of 380.903 |
| 1 carrying case L-BOXX® 136             | 414.085            |
| 1 case insert                           | 412.198            |

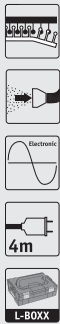
Accessories from page 160  
Abrasives from page 165



NEW

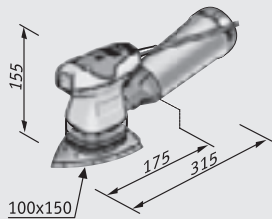
Delta sander with speed control

- Material-compatible sanding speed by adjustable speed. No elaborate rework due to damaged surfaces
- Ergonomically designed, handy grip cover with soft grip insert ensures a secure grip and good guidance
- Small and particularly light one-handed unit with excellent ergonomics and special balancing for low-vibration operation to make work effortless and reduce the stress on joints of the user
- Impact-resistant filter cartridge with exchangeable PES filter allows simple dust disposal or cleaning of the filter as well as maximum service life
- PES filter cartridge with cyclone function for dust-free and efficient working
- External dust extraction Ø 27 mm, antistatic suction hose SH 27x4m AS (379.395) can be connected
- High-performance sanding pad: highly durable and abrasion-resistant
- Especially suitable for overhead work



SPECIFICATIONS

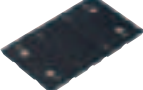
|                            |                   |
|----------------------------|-------------------|
| Power input                | 200 watt          |
| No load speed              | 8000 - 13000 rpm  |
| Orbit rate, no load        | 16000 - 26000 opm |
| Orbit                      | 2,0 mm            |
| Backing plate              | 100 x 150 mm      |
| Sanding media fixing       | velcro            |
| Dust extraction connection | Ø 27 mm           |
| Cable length               | 4,0 m             |
| Weight                     | 1,2 kg            |



| Standard equipment                      | Order no.          |
|-----------------------------------------|--------------------|
| <b>ODE 100-2</b>                        | <b>429.856</b>     |
| 1 velcro backing plate                  | 436.321            |
| 1 PES microfilter cartridge with filter | 407.984            |
| <b>ODE 100-2 Set</b>                    | <b>429.864</b>     |
| 1 velcro backing plate                  | 436.321            |
| 1 PES microfilter cartridge with filter | 407.984            |
| 1 sanding paper SELECTFLEX P 80         | 1 piece of 380.997 |
| 1 sanding paper PURFLEX P 120           | 1 piece of 381.136 |
| 1 carrying case L-BOXX® 136             | 414.085            |
| 1 case insert                           | 412.198            |

## Surface finishing sanding

### Accessories

| Type                                                                                | Description                                                                                                                                                                                                                                                                            | Designation       | Dimensions<br>in mm | Grit | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
| Velcro velours                                                                      | With foam coating.                                                                                                                                                                                                                                                                     |                   | 80 Ø                |      | 1  | 296.155   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|    |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Velcro backing pad                                                                  | With 8 holes.                                                                                                                                                                                                                                                                          |                   | 125 Ø               |      | 1  | 334.146   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|    |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Velcro backing pad                                                                  | With 8-hole system for optimum dust extraction for all FLEX velcro sanding tools Ø 125 mm. The 3 mm cellular rubber damping reduces the shearing forces between support pad and sanding tool. Thanks to long velcro hooks, there is greater temperature resistance at a high load.     | SP D125-8 H/F     | 125 Ø               |      | 1  | 391.727   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|    |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                     | With 6 + 8-hole system for optimum dust extraction for all FLEX velcro sanding tools Ø 150 mm. The 3 mm cellular rubber damping reduces the shearing forces between support pad and sanding tool. Thanks to long velcro hooks, there is greater temperature resistance at a high load. | SP D150-8/6 H/F   | 150 Ø               |      | 1  | 419.192   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Velcro backing pad                                                                  | With 6 holes.                                                                                                                                                                                                                                                                          | SP-H D150-6 X1107 | 150 Ø               | hard | 1  | 228.176   | -               | -               | -          | -      | -           | -      | -         | -            | ■         | -      | -        | -         |
|  |                                                                                                                                                                                                                                                                                        | SP-S D150-6 X1107 | 150 Ø               | soft | 1  | 228.184   | -               | -               | -          | -      | -           | -      | -         | -            | ■         | -      | -        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Velcro backing pad                                                                  | Backing pad made of tough special material with extraction holes (8x). Pitch circle Ø 90 mm.                                                                                                                                                                                           | SP D125-8         | 125 Ø               |      | 1  | 379.379*  | -               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|  |                                                                                                                                                                                                                                                                                        | SP D125-8(FL)     | 125 Ø               |      | 1  | 436.348   | -               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                     | Sanding wheel, especially suitable for shapes and contours. With extraction holes (8+6 holes).                                                                                                                                                                                         | SP-S D150         | 150 Ø               | soft | 1  | 408.298   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|  |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                     | Sanding wheel, especially suitable for flat surfaces and contours. With extraction holes (8+6 holes).                                                                                                                                                                                  | SP-H D150         | 150 Ø               | hard | 1  | 408.301   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|  |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Velcro backing pad                                                                  | Standard backing plate made of tough special material with extraction holes (8x). Distance between centres of series of holes 54 mm. Extraction perforation FLEX and Festool.                                                                                                          | SP 80x133-8       | 80 x 130            |      | 1  | 379.344*  | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|  |                                                                                                                                                                                                                                                                                        | SP 80x133-8(FL)   | 80 x 130            |      | 1  | 436.305   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                     | Backing plate made of tough special material with extraction holes (8x). Distance between centres of series of holes 42 mm. Extraction holes Rupes and 3M.                                                                                                                             | SP 80x133-8       | 80 x 130            |      | 1  | 379.352*  | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        | SP 80x133-8R(FL)  | 80 x 130            |      | 1  | 436.313   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                                                                                                                                                                                                                                                                                        |                   |                     |      |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |

■ suitable  
- not suitable

\* for devices with order no. 379.xxx

| Type                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Designation           | Dimensions<br>in mm | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
| Velcro backing pad<br>Delta<br>                                                                                                       | Delta backing plate made of tough special material with extraction holes.                                                                                                                                                                                                                                                                                                                                                                                                                          | SP 100x150-7          | 100 x 150           | 1  | 379.360*  | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SP 100x150-7 (FL)     | 100 x 150           | 1  | 436.321   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Dust guard with<br>pivoting edge<br>segment<br><br> | Enables you to work near edges at maximum extraction power. Tool-free height adjustment via clamping lever allows quick adjustment of the extraction hood to the tool height.<br><br>For optimal dust extraction without adapter, antistatic. Enables you to work near edges at maximum extraction power. Tool-free height adjustment via clamping lever allows quick adjustment of the extraction hood to the tool height.                                                                        | SG-R D125 SE          | 125 Ø               | 1  | 393.363   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SG-R D150 SE          | 150 Ø               | 1  | 419.176   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Brush ring<br>                                                                                                                      | Brush ring for dust extraction hood - contains two segment parts.                                                                                                                                                                                                                                                                                                                                                                                                                                  | BK-H SE 14-2 125      | 125 Ø               | 1  | 394.076   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BK-H SE 14-2 125 VE3  | 125 Ø               | 3  | 421.138   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BK-H SE 14-2 150      | 150 Ø               | 1  | 419.184   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BK-H SE 14-2 150 VE3  | 150 Ø               | 3  | 421.146   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
| Disc brush<br>                                                                                                                      | Ideal for brushing off glazed wood surfaces, brushing and deburring metallic surfaces and edges, cleaning natural stone surfaces as well as cleaning and structuring natural wood surfaces. The 50 mm brush height ensures a flexible processing of shapes and contours. The carrier and the bristles are characterised by high rigidity, strength, hardness and removal rate for a long service life and maximum efficiency. To avoid damage, the maximum speed of 2500 rpm must not be exceeded. | BT-NY D130/50 P46 M14 | M 14                | 1  | 409.030   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Clamping flange<br>                                                                                                                 | For use with flap sanding discs Ø 125 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CF SE 14-2            |                     | 1  | 393.371   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Clamping nut M 14<br>                                                                                                               | For use with flap sanding discs Ø 125 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                     | 1  | 100.080   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| FixTec quick clamp<br>nut M 14<br>                                                                                                  | For tool-less disc change, suitable for discs from Ø 115-150 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     | 1  | 313.459   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |

# Surface finishing sanding

## Accessories

| Type                                                                                                                                             | Description                                                                                                                                                                                  | Designation      | Dimensions<br>in mm | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
| Flexible backing pad<br>with clamping nut M 14<br>              | Backing pads for fiber grinding discs.                                                                                                                                                       |                  | 170 Ø               | 1  | 124.079   | -               | -               | ■          | ■      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Clamping nut M 14<br>                                           | For backing pad.                                                                                                                                                                             |                  |                     | 1  | 124.109   | -               | -               | ■          | ■      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Face pin spanner<br>                                            | Offset special key, for loosening velcro sanding pad and clamping nut.                                                                                                                       |                  |                     | 1  | 398.365   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Hexagon socket<br>wrench, SW 6<br>                            |                                                                                                                                                                                              |                  |                     | 1  | 104.167   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Hexagon socket<br>wrench, SW 5 long<br>                       | For changing the backing pads.                                                                                                                                                               |                  |                     | 1  | 392.731   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Hexagon socket<br>wrench, SW 4<br>                            | For re-adjusting the clamping screw on the extraction hood.                                                                                                                                  |                  |                     | 1  | 102.229   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Side handgrip<br>                                             | Side handle, thread M 8.                                                                                                                                                                     | GS-S SE14-2      |                     | 1  | 391.581   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Antistatic suction hose<br>                                   | Internal Ø 27 mm, 4 m with universal device connection and coupling bush Ø 27 mm with rotary coupling for power tool, antistatic.                                                            | SH 27x4m AS      | 27 Ø x 4m           | 1  | 379.395   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | ■        | ■         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Anti-static suction<br>hose with auxiliary air<br>control<br> | Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (320.188), antistatic. Inclusive variable adjustment of suction power for reduction of vacuum. | SH-C 32x4m AS/NL |                     | 1  | 406.708   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Adapter<br>                                                   | Suitable for suction hoses using the FLEX clip system. Anti-static design.                                                                                                                   | SAD-C D32 AS     |                     | 1  | 393.398   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  | Antistatic sleeve Ø 27 mm, suitable for suction hose 379.395.                                                                                                                                | SAD 27 AS        |                     | 1  | 382.736   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | ■        | ■         |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                  |                                                                                                                                                                                              |                  |                     |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |

■ suitable  
- not suitable



| Type                                                                                                                                                                                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designation            | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
| PES microfilter cartridge<br>                                                                                                                                                                           | PES filter cartridge in impact-resistant plastic housing. Suitable for all sanders with integrated extractor and connection Ø 27 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FP E D27               | 1  | 407.984   | -               | -               | -          | -      | -           | -      | ■         | ■            | -         | -      | ■        | ■         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| PES microfilter<br>                                                                                                                                                                                     | PES filter as a replacement for PES filter cartridge 407.984.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PF-PES                 | 1  | 407.992   | -               | -               | -          | -      | -           | -      | ■         | ■            | -         | -      | ■        | ■         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Carrying case L-BOXX®<br><br><br> | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert, with additional front handle. | TK-L 102               | 1  | 414.077   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 136               | 1  | 414.085   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | ■        | ■         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 238               | 1  | 414.093   | ■               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Case insert                                                                                                                                                                                                                                                                              | Suitable accessories insert for carrying case L-BOXX® 102.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | TKE 4x D130/1x 135x295 | 1  | 414.166   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          | Suitable insert for carrying case L-BOXX® 238. For the SUPRAFLEX SE 14-2 125/150.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TKE SE 14-2 125/150    | 1  | 414.158   | ■               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          | Suitable insert for carrying case L-BOXX® 238 for ORE 150-3/5 with PES filter and accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TKE ORE 150            | 1  | 407.895   | -               | -               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          | Suitable insert for carrying case L-BOXX® 136 for accessories/sanding tool Ø 150 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TKE 4x D150            | 1  | 407.704   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                                                                                                                                                                                          | Suitable insert for carrying case L-BOXX® 136 for individual devices OSE 80-2, ODE 100-2 or ORE 125-2 and accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TKE OSE/ODE/ORE 125    | 1  | 412.198   | -               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | ■        | ■         |
|                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |

## The right sanding materials for the best result.



Different materials must be processed with different abrasives. Therefore, FLEX offers a comprehensive sanding accessory range for the respective specific materials requirements. Particularly sanding abrasives are expected to have along service lives as well as a good removal performance at high surface quality. This achieves best economic efficiency in processing and ensures enormous cost savings.

**SELECTFLEX**



Ideally suited for redevelopment, renovation and modernisation, especially for working paints, varnishes, stopping, filler.

**PURFLEX**



Ideally suited for working wood and metal.

**Natural fibre felt pad**



Ideally suited for polishing stainless steel, non-ferrous metals, wood surfaces, mineral-based materials, paints, glass, acrylic glass (in conjunction with the correct polishes/agents and oils for sealing and care).

**ZIRCOFLEX**



Ideally suited for high removal rates and high load on wood and metal substrates. The support fabric is extremely tear-resistant and is characterised by high cost-effectiveness.

**CERAFLEX**



Ideal for sanding stainless steel surfaces and grinding weld seams. The support fabric is extremely tear-resistant. Low heat generation and longer service life ensure high cost-effectiveness.

**CORKFLEX**



Ideal for deep cleaning the surface, the cork accessory provides a greater gloss and better haptics. Fine sanding tool with coarse structure and stable fabric base. Reduces heat generation on the surface and 3 times longer service life than comparable sanding tools.

**MESH/FLEX**



Ideally suited for roughing, cleaning, degreasing, matt finishing on all materials.

**PYRAFLEX**



To prepare for polishing and thanks to the structure, work steps can be leapt over and this reduces the working time. Improves the surface quality, lengthens the service life. For all steels, particularly suitable for stainless steels, titanium, nickel, cobalt and chrome alloys. For removing scratches and mill scale from stainless steel, creation of a grinding pattern according to defined quality criteria (looks, surface finish). See page 37.

**Superfinishing pad**



High-performance polishing pad for high-gloss polishing of stainless steel and metals, no polishing mediums.

**SC fleece disc**



For removing minor damage, scratches, tarnish, flash rust, scale and dirt. Removing tarnish at welds without heat distortion at thin plates. For grinding, cleaning and finishing stainless steel, steel, titanium alloys, light metals, non-ferrous metals and plastics.

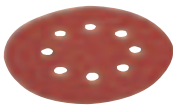
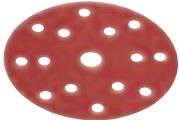
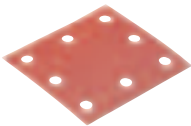
**Diamond sanding pad**



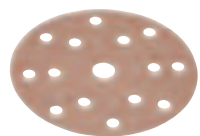
Sanding pads for dry sanding, a great advantage for repair and renovation work. Suitable for sanding and polishing granite worktops, porcelain stoneware tiles, floor slabs, visible concrete surfaces, natural stone on window sills, claddings, sculptures, stairs.

# Surface finishing sanding

## Abrasives

|                                                                                     |                  |                      |       |    |           | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|-------------------------------------------------------------------------------------|------------------|----------------------|-------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
|                                                                                     | Dimensions in mm | Designation          | Grit  | QP | Order no. |                 |                 |            |        |             |        |           |              |           |        |          |           |
|    | 115 Ø            | D115 PU-P24 VE25     | P 24  | 25 | 381.195   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P40 VE50     | P 40  | 50 | 381.209   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P60 VE50     | P 60  | 50 | 381.217   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P80 VE50     | P 80  | 50 | 381.225   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P100 VE50    | P 100 | 50 | 381.233   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P120 VE50    | P 120 | 50 | 381.241   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P150 VE50    | P 150 | 50 | 381.268   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D115 PU-P180 VE50    | P 180 | 50 | 381.276   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|    | 125 Ø            | D125-XS PU-P40 VE25  | P 40  | 25 | 334.308   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P60 VE25  | P 60  | 25 | 334.324   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P80 VE25  | P 80  | 25 | 334.340   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P100 VE25 | P 100 | 25 | 318.027   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P120 VE25 | P 120 | 25 | 317.993   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P180 VE25 | P 180 | 25 | 318.000   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-XS PU-P220 VE25 | P 220 | 25 | 318.019   | -               | -               | -          | -      | ■           | -      | -         | -            | -         | -      | -        | -         |
|  | 125 Ø            | D125-8 PU-P40 VE50   | P 40  | 50 | 380.644   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P60 VE50   | P 60  | 50 | 380.652   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P80 VE50   | P 80  | 50 | 380.660   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P100 VE50  | P 100 | 50 | 380.679   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P120 VE50  | P 120 | 50 | 380.687   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P150 VE50  | P 150 | 50 | 380.695   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 PU-P180 VE50  | P 180 | 50 | 380.709   | ■               | -               | -          | -      | -           | ■      | -         | -            | -         | -      | -        | -         |
|  | 150 Ø            | D150-15 PU-P40 VE50  | P 40  | 50 | 408.018   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P60 VE50  | P 60  | 50 | 408.026   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P80 VE50  | P 80  | 50 | 408.034   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P100 VE50 | P 100 | 50 | 408.042   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P120 VE50 | P 120 | 50 | 408.050   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P150 VE50 | P 150 | 50 | 408.069   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D150-15 PU-P180 VE50 | P 180 | 50 | 408.077   | -               | ■               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|  | 80 x 133         | 80x133 PU-P40 VE50   | P 40  | 50 | 380.857   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P60 VE50   | P 60  | 50 | 380.865   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P80 VE50   | P 80  | 50 | 380.873   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P100 VE50  | P 100 | 50 | 380.881   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P120 VE50  | P 120 | 50 | 380.903   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P150 VE50  | P 150 | 50 | 380.911   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 PU-P180 VE50  | P 180 | 50 | 380.938   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|  | 115 x 105        | 115x105 PU-P40 VE25  | P 40  | 25 | 334.251   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P60 VE25  | P 60  | 25 | 334.286   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P80 VE25  | P 80  | 25 | 332.771   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P100 VE25 | P 100 | 25 | 332.798   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P120 VE25 | P 120 | 25 | 332.801   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P180 VE25 | P 180 | 25 | 332.828   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 115x105 PU-P220 VE25 | P 220 | 25 | 332.836   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |

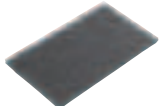
■ suitable  
- not suitable

|                                                                                                                            | Dimensions in mm | Designation          | Grit  | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|----------------------------------------------------------------------------------------------------------------------------|------------------|----------------------|-------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
|  <p>Velcro sanding paper PURFLEX</p>      | 100 x 150        | 100x150 PU-P40 VE50  | P 40  | 50 | 381.071   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P60 VE50  | P 60  | 50 | 381.098   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P80 VE50  | P 80  | 50 | 381.101   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P100 VE50 | P 100 | 50 | 381.128   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P120 VE50 | P 120 | 50 | 381.136   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P150 VE50 | P 150 | 50 | 381.144   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 PU-P180 VE50 | P 180 | 50 | 381.152   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|  <p>Velcro sanding paper SELECTFLEX</p>   | 125 Ø            | D125-8 SE-P40 VE50   | P 40  | 50 | 380.520   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P60 VE50   | P 60  | 50 | 380.539   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P80 VE50   | P 80  | 50 | 380.547   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P100 VE50  | P 100 | 50 | 380.555   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P120 VE50  | P 120 | 50 | 380.563   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P150 VE50  | P 150 | 50 | 380.571   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P180 VE50  | P 180 | 50 | 380.598   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P220 VE50  | P 220 | 50 | 380.601   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                            |                  | D125-8 SE-P320 VE50  | P 320 | 50 | 380.628   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|  <p>Velcro sanding paper SELECTFLEX</p> | 150 Ø            | D150-15 SE-P40 VE50  | P 40  | 50 | 408.085   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P60 VE50  | P 60  | 50 | 408.166   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P80 VE50  | P 80  | 50 | 408.174   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P100 VE50 | P 100 | 50 | 408.182   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P120 VE50 | P 120 | 50 | 408.190   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P150 VE50 | P 150 | 50 | 408.204   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P180 VE50 | P 180 | 50 | 408.212   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P220 VE50 | P 220 | 50 | 408.220   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                                                            |                  | D150-15 SE-P320 VE50 | P 320 | 50 | 408.239   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|  <p>Velcro sanding paper SELECTFLEX</p> | 80 x 133         | 80x133 SE-P40 VE50   | P 40  | 50 | 380.741   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P60 VE50   | P 60  | 50 | 380.768   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P80 VE50   | P 80  | 50 | 380.776   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P100 VE50  | P 100 | 50 | 380.784   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P120 VE50  | P 120 | 50 | 380.792   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P150 VE50  | P 150 | 50 | 380.806   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P180 VE50  | P 180 | 50 | 380.814   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P220 VE50  | P 220 | 50 | 380.822   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P320 VE50  | P 320 | 50 | 380.830   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                                                            |                  | 80x133 SE-P400 VE50  | P 400 | 50 | 380.849   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|  <p>Velcro sanding paper SELECTFLEX</p> | 100 x 150        | 100x150 SE-P40 VE50  | P 40  | 50 | 380.970   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P60 VE50  | P 60  | 50 | 380.989   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P80 VE50  | P 80  | 50 | 380.997   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P100 VE50 | P 100 | 50 | 381.004   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P120 VE50 | P 120 | 50 | 381.012   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P150 VE50 | P 150 | 50 | 381.020   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P180 VE50 | P 180 | 50 | 381.039   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P220 VE50 | P 220 | 50 | 381.047   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P320 VE50 | P 320 | 50 | 381.055   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                                                            |                  | 100x150 SE-P400 VE50 | P 400 | 50 | 381.063   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |



# Surface finishing sanding

## Abrasives

|                                                                                     |                  |                      |        |    |           | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|-------------------------------------------------------------------------------------|------------------|----------------------|--------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
|                                                                                     | Dimensions in mm | Designation          | Grit   | QP | Order no. |                 |                 |            |        |             |        |           |              |           |        |          |           |
|    | 125 Ø            | D125 ME-A100 VE5     | A 100  | 5  | 380.717   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 ME-A280 VE5     | A 280  | 5  | 380.725   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 ME-S1500 VE5    | S 1500 | 5  | 380.733   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|    | 150 Ø            | D150 ME-A100 VE5     | A 100  | 5  | 408.255   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                     |                  | D150 ME-A280 VE5     | A 280  | 5  | 408.263   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                     |                  | D150 ME-S1500 VE5    | S 1500 | 5  | 408.271   | -               | ■               | -          | -      | -           | -      | -         | ■            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|    | 80 x 133         | 80x133 ME-A100 VE5   | A 100  | 5  | 380.946   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 ME-A280 VE5   | A 280  | 5  | 380.954   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  | 80x133 ME-S1500 VE5  | S 1500 | 5  | 380.962   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | ■        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|  | 100 x 150        | 100x150 ME-A100 VE5  | A 100  | 5  | 381.160   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                     |                  | 100x150 ME-A280 VE5  | A 280  | 5  | 381.179   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                     |                  | 100x150 ME-S1500 VE5 | S 1500 | 5  | 381.187   | -               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | ■         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|  | 125 Ø            | D125-8 ZI-A40 VE25   | A 40   | 25 | 393.185   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 ZI-A60 VE25   | A 60   | 25 | 393.193   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125-8 ZI-A80 VE25   | A 80   | 25 | 393.207   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|  | 125 Ø            | D125 CE-K80 VE50     | K 80   | 50 | 393.215   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 CE-K120 VE50    | K 120  | 50 | 393.223   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 CE-K180 VE50    | K 180  | 50 | 393.231   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|  | 125 Ø            | D125 CO-P280 VE15    | P 280  | 15 | 393.258   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 CO-P400 VE15    | P 400  | 15 | 393.266   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | D125 CO-P800 VE15    | P 800  | 15 | 393.274   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|  | 125 Ø            | FP D125 H VE5        | hard   | 5  | 393.347   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  | FP D125 S VE5        | soft   | 5  | 393.355   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                     |                  |                      |        |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |

■ suitable  
- not suitable

|                                                                                                                   | Dimensions in mm | Designation       | Grit      | QP | Order no. | SE 14-2 125 Set | SE 14-2 150 Set | LG 1704 VR | LK 604 | SFE 8-2 115 | XS 713 | ORE 125-2 | ORE 150-3/-5 | X 1107 VE | MS 713 | OSE 80-2 | ODE 100-2 |
|-------------------------------------------------------------------------------------------------------------------|------------------|-------------------|-----------|----|-----------|-----------------|-----------------|------------|--------|-------------|--------|-----------|--------------|-----------|--------|----------|-----------|
| SC-Fleece velcro backed disc<br> | 125 Ø            | D125 SC-C VE10    | coarse    | 10 | 358.614   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| SC-Fleece velcro backed disc<br> | 125 Ø            | D125 SC-M VE10    | medium    | 10 | 358.622   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| SC-Fleece velcro backed disc<br> | 125 Ø            | D125 SC-VF VE10   | very fine | 10 | 358.630   | ■               | -               | -          | -      | -           | -      | ■         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
|                                                                                                                   |                  |                   |           |    |           |                 |                 |            |        |             |        |           |              |           |        |          |           |
| Diamond sanding pad<br>        | 125 Ø            | DP 50 DRY D125    | 50        | 1  | 382.817   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 100 DRY D125   | 100       | 1  | 382.825   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 200 DRY D125   | 200       | 1  | 382.833   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 400 DRY D125   | 400       | 1  | 382.841   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 800 DRY D125   | 800       | 1  | 382.868   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 1500 DRY D125  | 1500      | 1  | 382.876   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 3000 DRY D125  | 3000      | 1  | 382.884   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 10000 DRY D125 | 10000     | 1  | 382.965   | ■               | -               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
| Diamond sanding pad<br>        | 150 Ø            | DP 30 DRY D150    | 30        | 1  | 418.951   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 50 DRY D150    | 50        | 1  | 418.978   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 100 DRY D150   | 100       | 1  | 418.986   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 200 DRY D150   | 200       | 1  | 418.994   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 400 DRY D150   | 400       | 1  | 419.001   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 800 DRY D150   | 800       | 1  | 419.028   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 1500 DRY D150  | 1500      | 1  | 419.036   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 3000 DRY D150  | 3000      | 1  | 419.044   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |
|                                                                                                                   |                  | DP 10000 DRY D150 | 10000     | 1  | 419.052   | -               | ■               | -          | -      | -           | -      | -         | -            | -         | -      | -        | -         |

## Effective floor and wall finishing with the specialists from FLEX.

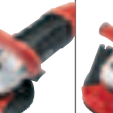
Whether it is a matter of removing plaster, concrete, screed or render coatings, FLEX has just the right solution on hand for each and every task. No obstacles stand in the way of FLEX renovation grinders and scourers – whether the talk is of large/small areas, corners or edges. All renovation grinders and scouring machines are fitted with powerful, sturdy motors which can withstand the high demands placed on them. It goes without saying that all machines have effective dust extraction. The extraction and filter systems of the FLEX vacuum cleaners are perfectly matched to FLEX machines to prevent harmful dusts contaminating the surrounding air.

With the new LD 18-7 150 R, FLEX provides a high-performance 1800 watt machine that has proven its worth particularly in floor work. No matter if your disc diameter is 125 mm, 150 mm or 180 mm: application-oriented renovation sanders are a special strength of FLEX.

In the form of the innovative RETECFLEX RE 14-5 115 you have available a widely diverse tool for those numerous jobs in renovation and modernization work. The RETECFLEX can be quickly and easily adapted to your own requirements. Whether it is to be used with a scouring head, perforator, diamond grinding disc or a sanding/polishing pad, just a few movements of the hand suffice to convert to any tool. Let yourself be won over by the wide scope of application possibilities of the new RETECFLEX RE 14-5 115.

A large and comprehensive range of specially coordinated high quality accessories are available for a multitude of applications.



|                                     |    |    |    |    |   |    |    |  |  |
|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                     | Concrete-Giraffe®<br>WST 1000 FV                                                    | LD 15-10 125                                                                        | LD 15-10 125 R                                                                      | LD 18-7 125 R                                                                       | LD 18-7 150 R                                                                       | LD 24-6 180                                                                           | RETECFLEX<br>RE 14-5 115                                                              | LST 1503 VR*                                                                        | LST 803 VR*                                                                         |
| Power input in watts                | 1010                                                                                | 1450                                                                                | 1450                                                                                | 1800                                                                                | 1800                                                                                | 2400                                                                                  | 1400                                                                                  | 1200                                                                                | 1800                                                                                |
| Max. working width mm               | 125                                                                                 | 125                                                                                 | 125                                                                                 | 125                                                                                 | 150                                                                                 | 180                                                                                   | 115                                                                                   | 700                                                                                 | 1200                                                                                |
| Wall working                        | • • •                                                                               | • • •                                                                               | • • •                                                                               | • •                                                                                 | •                                                                                   | •                                                                                     | • • •                                                                                 | –                                                                                   | –                                                                                   |
| Ceiling work                        | • • •                                                                               | • • •                                                                               | • • •                                                                               | •                                                                                   | •                                                                                   | •                                                                                     | • • •                                                                                 | –                                                                                   | –                                                                                   |
| Floor work, small areas             | –                                                                                   | • • •                                                                               | • • •                                                                               | • • •                                                                               | • •                                                                                 | •                                                                                     | • • •                                                                                 | • • •                                                                               | • • •                                                                               |
| Floor work, large areas             | –                                                                                   | •                                                                                   | •                                                                                   | • •                                                                                 | • • •                                                                               | • • •                                                                                 | •                                                                                     | –                                                                                   | –                                                                                   |
| Work close to the edges             | –                                                                                   | –                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | –                                                                                     | ✓                                                                                     | –                                                                                   | –                                                                                   |
| Extraction                          | +                                                                                   | +                                                                                   | +                                                                                   | +                                                                                   | +                                                                                   | +                                                                                     | +                                                                                     | –                                                                                   | –                                                                                   |
| Swivelling additional handle        | –                                                                                   | +                                                                                   | +                                                                                   | +                                                                                   | +                                                                                   | +                                                                                     | –                                                                                     | –                                                                                   | –                                                                                   |
| Turbo-Jet                           |  |  |  |  |  |  | –                                                                                     | –                                                                                   | –                                                                                   |
| Beton-Jet                           |  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     |  | –                                                                                   | –                                                                                   |
| Thermo-Jet                          |  |  |  |  |  |  | –                                                                                     | –                                                                                   | –                                                                                   |
| Estrich-Jet                         |  |  |  |  |  |  |  | –                                                                                   | –                                                                                   |
| PKD-Jet                             | –                                                                                   |  |  |  |  |  |  | –                                                                                   | –                                                                                   |
| Carbide metal scouring head pointed | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     |  | –                                                                                   | –                                                                                   |
| Carbide metal scouring head flat    | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     |  | –                                                                                   | –                                                                                   |
| Perforator                          | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     | ○                                                                                     | –                                                                                   | –                                                                                   |
| Velcro backing pad                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     | +                                                                                     | –                                                                                   | –                                                                                   |
| Corundum sanding discs              | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                     | +                                                                                     | –                                                                                   | –                                                                                   |

- • • ideally suited
- • well suited
- suitable
- Not suitable/not available

- available as an accessory
- + Standard equipment
- ✓ Option present
-  Available as a kit

\*For information on the bush hammers, see page 337 and following.









## Concrete-Giraffe® WST 1000 FV.

The unique renovation professional for walls and ceilings.



The Concrete-Giraffe® effortlessly removes concrete butt joints and ridges. Using the appropriate grinding discs from the FLEX accessories programme (page 175), the WST 1000 FV easily removes paint coatings, graffiti, thermoplastic coatings, screeds, plasters, sandstone, fire clay, asphalt, tile glue, paving slabs, natural and artificial stone, old concrete and concrete slabs. To meet the high demands placed upon it the Concrete-Giraffe® is fitted with a powerful 1000 watt motor.



### High up

The telescopic Concrete-Giraffe® WST 1000 FV, makes it possible to work on surfaces up to 3.50 m high without the need of ladders or scaffolding.



### Well balanced

The Concrete-Giraffe® is always optimally balanced thanks to the ergonomic design, numerous gripping possibilities and motor position. This allows for fatigue-free working.



### Protects the user

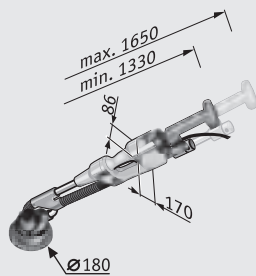
The integrated dust extraction in association with our vacuum cleaners (page 222) ensures a clean and healthy working environment.

Renovation machines  
WST 1000 FV



SPECIFICATIONS

|                  |           |
|------------------|-----------|
| Disc Ø           | 125 mm    |
| No load speed    | 8000 rpm  |
| Power input      | 1010 watt |
| Power output     | 600 watt  |
| Tool fixture     | 28 mm Ø   |
| Dimensions in mm | 1330-1650 |
| Cable length     | 5,0 m     |
| Weight           | 5,50 kg   |



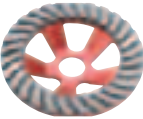
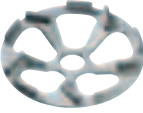
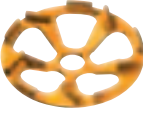
Concrete-Giraffe® grinder for walls and ceilings

- FV electronic control: constant speed, soft-start and overload protection
- Using a unique telescoping system, the Concrete-Giraffe® adapts to your needs. Length adjustable from 1330-1650 mm. Open telescope lock lever, pull out handle and close lever. Handle can be turned full circle
- Ergonomic design with many different handling possibilities for fatigue-free working. The motor is always kept between the gripping positions, ensuring a perfect balance
- Vacuum dust collection: protects against abrasive dust, reduces disc wear, keeps concrete pores for the new coat open
- Flexible rubber vacuum ring with low-wear metal ring: moves smoothly over the surface and protects against dust and flying stones
- Dust extraction system: with metal ring on the guard, flexible suction hose from the scouring head to the guide tube. Connection facility at the rear of the telescopic tube for FLEX industrial vacuum cleaner
- The Concrete-Giraffe® with universal joint shaft and the new grinder head have been purpose-coordinated. This tool quickly and easily removes burrs and other unevenness from walls and ceilings

Kit  
System

|  |                                                         |         |
|--|---------------------------------------------------------|---------|
|  | WST 1000 FV, Turbo-Jet kit                              | 355.747 |
|  | WST 1000 FV, Turbo-Jet kit without suction hose         | 378.224 |
|  | WST 1000 FV, Thermo-Whirljet kit                        | 355.755 |
|  | WST 1000 FV, Thermo-Whirljet kit without suction hose   | 378.194 |
|  | WST 1000 FV, Screed-Whirljet kit                        | 355.763 |
|  | WST 1000 FV, Screed Whirljet kit without suction hose   | 378.208 |
|  | WST 1000 FV, Concrete-Whirljet kit                      | 355.771 |
|  | WST 1000 FV, Concrete-Whirljet kit without suction hose | 378.216 |

| Standard equipment                                                                            | Order no. |
|-----------------------------------------------------------------------------------------------|-----------|
| <b>WST 1000 FV</b>                                                                            |           |
| 1 FixTec quick-clamp nut M 14                                                                 | 313.459   |
| Antistatic suction hose 32 mm Ø x 4 m with snap coupling and coupling bush for vacuum cleaner | 406.708   |
| 1 carrying case                                                                               | 389.986   |

| Type                                                                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Designation              | Dimensions<br>in mm | QP | Order no. | WST 1000 FV |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|----|-----------|-------------|
| Turbo-Jet diamond grinding disc<br>           | Turbo-Jet grinding disc with optimum removal rate. The wide range of diamond segments provides a considerably quieter operating performance and a more attractive sanding pattern. Ideal for surface grinding on mineral substrates.                                                                                                                                                                                                                                                                                                                                                                              | Turbo-Jet D125 28x23,5   | 125 Ø x 28 x 23,5   | 1  | 349.623   | ■           |
| Thermo-Whirljet diamond grinding disc<br>     | Thermo-Whirljet for thin coatings and lightly abrasive materials: Thermoplastic coatings, Paint, Graffiti, thin glue residues on concrete or screed, Rubber based coatings. Reduced weight with the FLEX flange. The grinding disc with the angular arranged diamond segments allows for a quicker work rate than with normal disc. The large dimensioned delta shaped holes in the discs causes an air vortex that removes all dust from the working surface and prevents the segments from clogging or overheating and so reducing wear. The light weight disc reduces wear on the motor. Not for use on edges. | TH-Whirljet D125 28x23,5 | 125 Ø x 28 x 23,5   | 1  | 323.071   | ■           |
| Screed-Whirljet diamond grinding disc<br>   | Screed-Whirljet for abrasive materials: Abrasive screeds (with quartz sand), fresh concrete, plaster, abrasive limestone (with quartz sand) sandstone, fire clay, asphalt. Reduced weight, with FLEX special flange. Not to be used for working on edges.                                                                                                                                                                                                                                                                                                                                                         | E-Whirljet D125 28x23,5  | 125 Ø x 28 x 23,5   | 1  | 324.361   | ■           |
| Concrete-Whirljet diamond grinding disc<br> | Concrete-Whirljet the grinding disc for concrete: old concrete, concrete slabs and stone - natural and artificial slabs, lime sand brick hard, paving slabs, tile glue, removing glazing from ceramic tiles. Reduced weight, with the FLEX special flange. Not to be used on edges.                                                                                                                                                                                                                                                                                                                               | B-Whirljet D125 28x23,5  | 125 Ø x 28 x 23,5   | 1  | 323.063   | ■           |
| Concrete grinder head without disc<br>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | VS B D125                | 125 Ø               | 1  | 350.931   | ■           |
| Rubber extraction ring<br>                  | The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AR-G D125 LD             | 125 Ø               | 1  | 257.246   | ■           |
| Carrying case<br>                           | Made of shock-resistant plastic for the WST and WSE 7 as well as for sanding tools and exchangeable heads.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TK-S WST/WSE             |                     | 1  | 389.986   | ■           |

■ suitable  
- not suitable

RETEC**FLEX**

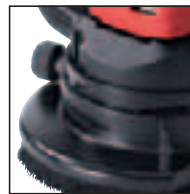


## The RETECFLEX. The specialist for grinding, sanding, scouring, perforating and polishing.

The speed controller ensures that the speed is correctly adjusted for grinding and polishing. The speed stays constant under load. The RE 14-5 115 has a soft start for a smooth start-up. Temperature monitoring prevents any fused windings. The completely cast electronic components and special winding protection prevent damage due to metal dust.



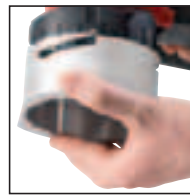
**Packed with power**  
Powerful, strong 1400 watt motor for fast working progress.



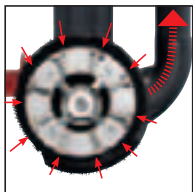
**Extraction guard D 115 with brush ring**  
Tool-free height adjustment for quick and easy guard adjustment to the required working depth.



**Extremely flexible**  
Electronically controllable speed. Whatever the various tools and heat-sensitive materials, the right speed can always be set.



**Adjustable base D 80**  
Tool-free changeable and height-adjustable base D 80 for milling tool and perforator, for optimum control of the machine and effective dust extraction.



**Everything extracted**  
Effective dust extraction for clean air and uninterrupted vision.



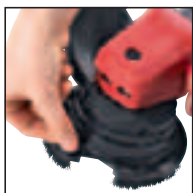
**Spindle stop**  
Easy tool change with the integrated spindle stop.



**FLEX clip-system**  
Large extraction cross-section; simple, quick connection using the FLEX clip-system. No adapters or reducing sleeves required.



**Always held correctly**  
Optimum handling position for various working situations.



**Up to the edge**  
Swivelling brush segment for quick adjustment for working close to edges.





## RETECFLEX

The quick-change artist amongst the renovation grinders.



The RETECFLEX is a tool with a very wide variety of applications for refurbishing, renovating and modernizing work. The compact design makes the tool ideal to handle. The RETECFLEX is perfect for working smaller surfaces. Whether with base or dust extraction guard with brush ring, working close to the edge is assured by both the attachments. The brush ring-equipped dust extraction guard has a tool-free adjustable edge segment. The ideal tool for smaller workshops. The universal tool for many applications. And each one with dust extraction.

## Easily and quickly converted whatever the requirements.



### The power pack

The RETECFLEX has no trouble at all in getting to grips with severely weathered concrete.



### Open to everything

The tool-free, swivelling brush segment is ideal for working close to edges. Even with the brush segment open, the dust extractor still performs wholehearted work.



### Tough performer

The scouring head with its 12 carbide metal discs is perfect for removing tile glue.



### Sands almost anything

Together with velcro backing pad and sanding discs, the RETECFLEX is ideal for sanding old paints and wood – in association with dust extraction.



### Perfect handling

Thanks to its low weight and excellent handling, the RETECFLEX can optimally work on walls.

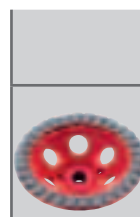


### Jack of all trades

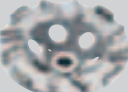
The cutting wheels of the innovative perforator open up any wallpapers sealed by paint. Allowing liquid (wallpaper stripper solution) to penetrate much quicker.

# RETECFLEX

Especially versatile.



| Material | Applications                                                                                       | Electronic setting | Turbo-Jet |
|----------|----------------------------------------------------------------------------------------------------|--------------------|-----------|
|          | Grind concrete parts / pre-grind concrete parts (concrete face-lifting)                            | 4-6                | ●         |
|          | Scouring concrete                                                                                  | 4-6                |           |
|          | Remove shuttering protrusions and concrete runs on used concrete / pre-sand weathered old concrete | 6                  | ●         |
|          | Remove shuttering protrusions and concrete runs on freshly concreted surfaces                      | 4-6                | ●         |
|          | Scouring fresh (green) concrete                                                                    | 4-6                | ●         |
|          | Breaking edges at fresh concrete components                                                        | 6                  | ●         |
|          | Remove minor unevenness and protrusions on concrete components                                     | 4-6                | ●         |
|          | Remove any contaminations on concrete                                                              | 4-6                | ●         |
|          | Grinding hard cement render with a high sand proportion                                            | 6                  | ●         |
|          | Pre-grinding hard cement render                                                                    | 6                  |           |
|          | Grinding soft plaster                                                                              | 3-5                |           |
|          | Pre-grinding synthetic resin plaster                                                               | 3-5                |           |
|          | Scouring soft plaster                                                                              | 4-6                |           |
|          | Scouring hard plaster                                                                              | 4-6                |           |
|          | Remove synthetic resin plaster (top coat)                                                          | 4-6                |           |
|          | Remove plaster on wooden beams (framework)                                                         | 4-6                |           |
|          | Grinding tile glue on soft plaster                                                                 | 3-6                | ●         |
|          | Remove tile glue on screed                                                                         | 6                  | ●         |
|          | Scouring tile glue residues                                                                        | 4-6                | ●         |
|          | Grinding existing tile layer before laying new tiles                                               | 6                  | ●         |
|          | Remove latex and oil paints from plaster                                                           | 4-6                |           |
|          | Remove paint coatings on plaster                                                                   | 3-6                |           |
|          | Sanding old weathered paint coatings                                                               | 2-4                |           |
|          | Remove flexible protective coatings from concrete and plaster                                      | 4-6                |           |
|          | Thermo-elastic coatings                                                                            | 2-4                |           |
|          | Removing soft PU coatings                                                                          | 4-6                |           |
|          | Grinding screed and coatings on screed floors                                                      | 6                  |           |
|          | Remove hardened epoxy resin coatings                                                               | 6                  |           |
|          | Remove sintering layer, other coatings on concrete                                                 | 4-6                | ●         |
|          | Remove foam and adhesive residues                                                                  | 4-6                |           |
|          | Remove grout and fillers                                                                           | 3-5                |           |
|          | Remove aged filling compounds and fillers                                                          | 3-5                | ●         |
|          | Sanding unevenness on filled-in surfaces                                                           | 2-4                |           |
|          | Sanding plastics and fibre-glass reinforced parts                                                  | 2-4                |           |
|          | Open wallpapers sealed by paints for absorbing liquid (wallpaper stripper)                         | 3-4                |           |
|          | Sanding weathered wooden parts                                                                     | 2-4                |           |
|          | Sanding wooden beams/framework in restoration work                                                 | 2-4                |           |
|          | Removing weathering from natural stone                                                             | 1-2                |           |
|          | Sanding granite worktops in the natural stone area                                                 | 1-2                |           |
|          | Bevelling fine stoneware tiles on cut edge                                                         | 1-2                |           |

| Dust extraction guard<br>D 115                                                                                                                                                                                                                                                                                                           |            |             |        |         | Adjustable base<br>D 80                                                                                                                                               |                         |            | Dust extraction guard<br>D 115 + Velcro backing pad                                                                                                                     |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|      |            |             |        |         |    |                         |            |   |                        |
| Concrete-Jet                                                                                                                                                                                                                                                                                                                                                                                                              | Screed-Jet | Surface-Jet | TC-Jet | PKD-Jet | Scouring discs,<br>pointed                                                                                                                                                                                                                               | Scouring discs,<br>flat | Perforator | Corundum<br>sanding<br>discs                                                                                                                                            | Diamond<br>sanding pad |
| •                                                                                                                                                                                                                                                                                                                                                                                                                         |            | •           |        |         |                                                                                                                                                                                                                                                          |                         |            |                                                                                                                                                                         | • 1-2                  |
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**!Tip:** Keep the speed down when working on heat-sensitive paint coatings and coverings.  
In this way you will avoid the scouring/grinding tools becoming clogged/smeared.







## Powerful, practical and reliable 1450 watt renovation grinders LD 15-10 125 and LD 15-10 125 R.

The LD 15-10 125 and LD 15-10 125 R FLEX renovation grinders convince with their practical use and their high-performance and reliable 1450 watt motors. Always up to facing the harsh requirements in everyday work at the construction site. With a disc-Ø of 125 mm, they are ideal for processing small to medium surfaces. Many parts are particularly dust-protected to clearly increase service life. The electronics of the renovation grinders are equipped with a speed maintenance, a soft start-up, an overload protection and a temperature monitor.



### Packed with power

The 1450 watt high-performance motor is durable with high performance and sufficient power reserves. A special dust protection also protects the motor from abrasive dusts. This clearly increases service life.



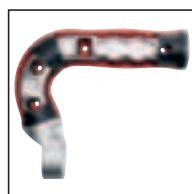
### Smooth handle adjustment

It is adjusted using a wing screw. This permits comfortable and simple adjustment of the best position.



### Spindle lock

The spindle latch is recessed in the gear housing to prevent accidental operation.



### Stable, vibration-dampened handle

For best handling and machine guidance.



### On/off switch

The on/off switch is placed perfectly to be operated well even with gloves.



### Extractor hood with a brush ring\*

The robust brush circle ensures maximum extraction output and protects from dust and ejected stones.

*\*For model LD 15-10 125 R*



### New disc guard\*

Better air routing and dust extraction through an inclined tube and tighter overlap of the edge segment bend. No impairment from dust at overhead work.

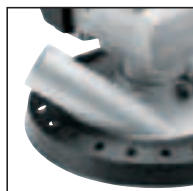
*\*For model LD 15-10 125 R*



### Always at the right height\*

The tool-free height adjustment via a clamping lever permits quick adjustment of the extraction hood to the right tool height.

*\*For model LD 15-10 125 R*



### Sucks it all up\*\*

The large extraction cross-section ensures effective dust extraction. The suction hose is connected with the FLEX clip-system (no adapter needed) safely and comfortably.

*\*\*For model LD 15-10 125*



### To the edge\*

Tool-free swivelling brush segment for quick adjustment for working close to the edge.

*\*For model LD 15-10 125 R*



### Integrated suction hose holder

The extraction hose is attached to the machine and ensures trouble-free operation.



### Robust metal extraction hood\*\*

The elastic rubber suction ring with low-wear metal ring slides over the surface without jerking and protects from dust and ejected stones.

*\*\*For model LD 15-10 125*

## Really clean.

Always an optimised extraction result – no matter the position.



The two LD 15-10 125 and LD 15-10 125 R renovation grinders convince with their particularly low weight and handiness. The machines can always be securely gripped even at overhead work, with a reliably high extraction output. In connection with the matching diamond discs, the machines are ideal to remove concrete tabs and protrusions, as well as old fittings and coatings.

No matter if wall, ceiling or floor – they grind off a lot.



#### Ergonomic and practical

The new, ergonomic, smoothly adjustable and particularly low-vibration handle ensures fatigue-free work.



#### Low height

The low height makes grinding easy even in narrow environments.



#### Open to everything

The tool-free swivelling brush segment is ideal for work close to the edge. The dust extraction still works well with the brush segment opened.



#### Grinding almost anything

The FLEX renovation grinder easily removes old coats of paint, plaster, concrete or screed, coatings and limewashes.



#### Just practical

The low weight supports easy operation at maximum control.



#### Tough performer

Thanks to the robust build, the renovation grinder are perfect for many different areas of use.





## LD 18-7 125 R/150 R – more power and more endurance at 1800 watt. Ideal for medium-sized to large areas.

The 1800 watt high-performance renovation grinders are optimised for processing mineral surfaces in the floor area. The devices stand out by virtue of their long-lasting and heavy-duty motor power, high torque and endurance, and have excellent motor protection. The LD 18-7 125 R and LD 18-7 150 R renovation grinders are also ready to handle particularly rough conditions at construction sites. Both devices are equipped with an extraction hood with a turning edge segment.



### Powerful and highly resilient

High-performance and reliable 1800 watt motor for maximum work progress.



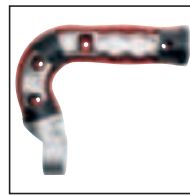
### Smooth handle adjustment

It is adjusted using a wing screw. This permits comfortable and simple adjustment of the best position.



### Spindle lock

The spindle latch is recessed in the gear housing to prevent accidental operation.



### Stable, vibration-dampened handle

For best handling and machine guidance.



### On/Off switch

The on/off switch is placed perfectly to be operated well even with gloves.



### Extractor hood with a brush ring

The robust brush circle ensures maximum extraction output and protects from dust and ejected stones.



### Ø 125 mm disc guard\*

Safe suction hose attachment and better air routing as well as dust extraction through an inclined tube and tight overlap of the edge segment bend. No impairment from dust at overhead work.

*\*For model LD 18-7 125 R*



### Always at the right height

The tool-free height adjustment via a clamping lever permits quick adjustment of the extraction hood to the right tool height.



### Ø 150 mm disc guard\*\*

The large extraction cross-section ensures effective dust extraction. The suction hose is connected with the FLEX clip-system (no adapter needed) safely and comfortably.

*\*\*For model LD 18-7 150 R*



### Up to the edge

Tool-free swivelling brush segment for quick adjustment for working close to the edge.





## LD 24-6 180 – the steam hammer for large floor areas.

The LD 24-6 180 comes with a robust motor and gear housing. The stable and sturdy steel gear and the spindle bearing protected by a metal cap also increase reliability and service life. The very slim motor housing with its beneficial grip permits best guidance and operation of the LD 24-6 180. The smoothly adjustable bracket handle ensures low-fatigue and vibration-dampened work. The rear shaft handle with soft insert additionally supports safe handling.



### A power package without limits

High-performance and reliable 2400 watt motor at 6500/min for maximum work progress.



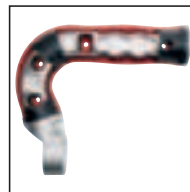
### Smooth handle adjustment

It is adjusted using a wing screw. This permits comfortable and simple adjustment of the best position.



### Spindle lock

The spindle latch is recessed in the gear housing to prevent accidental operation.



### Stable, vibration-dampened handle

For best handling and machine guidance.



### On/Off switch

The on/off switch is placed perfectly to be operated well even with gloves.



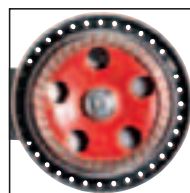
### Robust metal extraction hood

The elastic rubber suction ring with low-wear metal ring slides over the surface without jerking and protects from dust and ejected stones.



### Softgrip

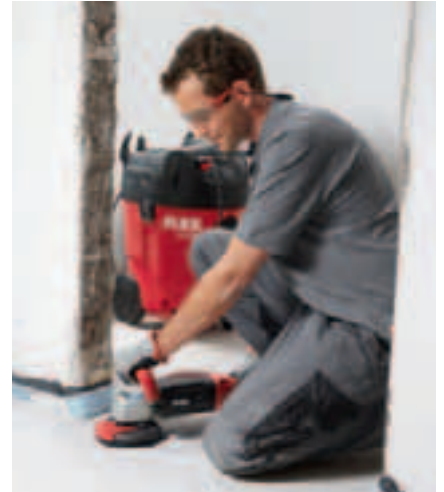
The rear shaft handle with soft insert additionally supports safe handling.



### Master of large areas

Large areas can be processed quickly and effectively with the high-performance diamond discs by FLEX and the effective dust extraction of the LD 24-6 180.

## The robust companion for rough work at construction sites. More motor power – more work progress.



7

### Open to everything

The tool-free swivelling brush segment is ideal for work close to the edge. The dust extraction still works well with the brush segment opened.

### Optimal handling

The balanced weight distribution and the rear shaft handle ensure best handling.

### Tough performer

Thanks to the robust build, the renovation grinders are perfect for the hard everyday work at construction sites.



### Recessed

The device is also safer for the user, thanks to a recessed spindle head to prevent accidental actuation.

### In position

The bracket handle can be adjusted right above the working surface. This way, the machine can be guided precisely.

### Ergonomic and practical

The ergonomic, smoothly adjustable and particularly low-vibration handle ensures fatigue-free work.

## The grandmaster. For floor areas up to 100 sqm.



### A lot of grinding requires a lot of suction.

One of the highest-performance hand concrete grinders on the market. Due to its enormous power, the device is only suitable for two-hand operation. The effective dust extraction in connection with the high-performance diamond grinding disc supports the connected vacuum in extracting the large dust volumes that arise. For effective and low-dust work, only safety vacuums with fully automatic filter cleaning should be used.



### The right diamond grinding disc makes all the difference

FLEX offers the right diamond grinding disc for almost any surface. They convince particularly with the high material removal, quick work progress and long service lives. The high-quality low-vibration diamond grinding discs by FLEX also protect the machine.



### Large, larger, LD 24-6 180

The high-performance 2400 watt LD 24-6 180 concrete grinder is equipped with a particularly robust housing and thus perfect for the hard use at the construction site. The 180 mm plate diameter permits even and quick removal of large areas.



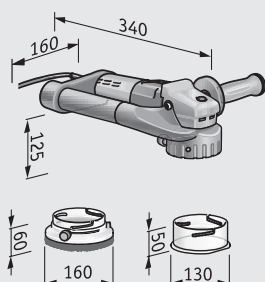
# Renovation machines

RE 14-5 115



## SPECIFICATIONS

|                     |                    |
|---------------------|--------------------|
| Max. disc diameter  | 115 mm             |
| Max. milling head Ø | 80 mm              |
| No load speed       | 1800-5200 rpm      |
| Power input         | 1400 watt          |
| Power output        | 880 watt           |
| Tool fixture        | M 14               |
| Size ( W x L x H )  | 340 x 185 x 145 mm |
| Cable length        | 4,0 m              |
| Weight              | 3,1 kg             |



## RETECFLEX – the universal tool for renovation and modernization

- VR microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- Motor: powerful, strong motor for quick working progress
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- Special gearbox: special gear ratio for high torque in the medium and low speed range
- Dust-proof on/off switch
- Effective dust extraction thanks to a large extraction cross-section. Simple, quick connection using the FLEX clip system. No adapters or reducing sleeves are required
- Extraction hood: with stepless height adjustment
- Universal tool system can be adapted for a large number of renovation and modernisation applications. Compact, handy and ideal for working on small surfaces and on the edges of larger areas
- Spindle lock

| Standard equipment                                    | Order no. |
|-------------------------------------------------------|-----------|
| <b>RE 14-5 115</b>                                    |           |
| 1 SoftVib handle                                      | 325.376   |
| 1 extractor guard grinding Ø 115 mm with a brush ring | 366.528   |
| 1 adjustable base scouring Ø 80 mm                    | 366.897   |
| 1 velcro backing pad Bowl Ø 115/M14                   | 366.609   |
| Corundum sanding disc set Ø 115                       |           |
| 1 pin wrench                                          | 366.536   |
| 1 hexagon socket wrench, SW 4                         | 102.229   |
| 1 carrying case L-BOXX® 238                           | 414.093   |
| 1 case insert                                         | 414.182   |

## Kit System

|  |                                        |         |
|--|----------------------------------------|---------|
|  | RE 14-5 115, pointed scouring head kit | 369.217 |
|  | RE 14-5 115, flat scouring head kit    | 369.225 |
|  | RE 14-5 115, Kit B-Jet                 | 369.233 |
|  | RE 14-5 115, Kit E-Jet                 | 369.241 |
|  | RE 14-5 115, Kit S-Jet                 | 369.268 |
|  | RE 14-5 115, Kit TC-Jet                | 369.276 |
|  | RE 14-5 115, Kit PKD-Jet               | 389.587 |

Accessories from page 196





### Compact renovation grinder for dust-free grinding, 125 mm

- Electronic control: with tachogenerator constant speed control, soft start, overload protection and temperature monitoring
- Dust extraction: prevents dust nuisance, reduces disc wear, keeps the concrete pores open for the new coating
- Reliable 1450 watt high-performance motor with sufficient power reserves
- With steplessly adjustable, vibration-proof, ergonomic bail handle, for optimum handling and machine control
- For fixed hose connection. Adapter with FLEX Clip connection for Ø 32 mm snap connection included in the standard equipment.
- Recessed spindle lock, to avoid unintentional activation
- Ideally suited for processing walls, ceilings and floors. Efficient and economic working thanks to optimum coordination between machine and sanding disc



### SPECIFICATIONS

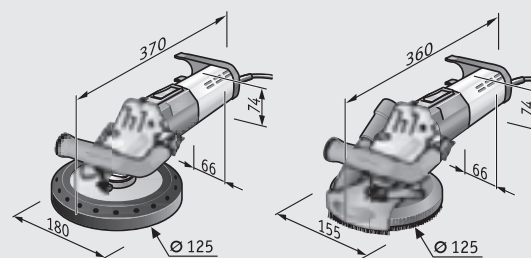
|                       |                        |
|-----------------------|------------------------|
| Disc Ø                | 125 mm                 |
| No load speed         | 10000 rpm              |
| Power input           | 1450 watt              |
| Power output          | 950 watt               |
| Vibration             | < 6,4 m/s <sup>2</sup> |
| Tool fixture          | M 14                   |
| Cable length          | 4,0 m                  |
| Weight LD 15-10 125   | 3,2 kg                 |
| Weight LD 15-10 125 R | 2,9 kg                 |

### For LD 15-10 125

- Flexible rubber vacuum ring with low-wear metal ring: moves smoothly over the surface and protects against dust and flying stones
- Extraction hood: with stepless height adjustment

### For LD 15-10 125 R

- Guard with pivoting segment to allow grinding right up to the wall. Height-adjustable to the disc height and for optimum dust extraction



### Kit

|  |                                 |         |
|--|---------------------------------|---------|
|  | LD 15-10 125, Kit Turbo-Jet     | 405.914 |
|  | LD 15-10 125, Kit TH-Jet        | 405.930 |
|  | LD 15-10 125, Kit E-Jet         | 405.957 |
|  | LD 15-10 125, Kit PKD-Jet       | 405.973 |
|  | LD 15-10 125, Kit PKD-Jet 5-C   | 406.007 |
|  | LD 15-10 125 R, Kit Turbo-Jet   | 405.906 |
|  | LD 15-10 125 R, Kit TH-Jet      | 405.922 |
|  | LD 15-10 125 R, Kit E-Jet       | 405.949 |
|  | LD 15-10 125 R, Kit PKD-Jet     | 405.965 |
|  | LD 15-10 125 R, Kit PKD-Jet 5-C | 405.981 |

Accessories from page 196

### Standard equipment

| Standard equipment                            | Order no.    |
|-----------------------------------------------|--------------|
| <b>LD 15-10 125</b>                           |              |
| 1 extraction hood with rubber extraction ring | 421.111      |
| 1 bail handle                                 |              |
| 3 cable clips                                 | 252.188 (3x) |
| 1 hexagon socket wrench, SW 4                 | 102.229      |
| 1 extraction adapter SAD-C D25-32 AS          | 320.188      |
| 1 pin wrench                                  | 392.537      |
| 1 carrying case L-BOXX® 238                   | 414.093      |
| 1 case insert                                 | 414.131      |

|                                        |              |
|----------------------------------------|--------------|
| <b>LD 15-10 125 R</b>                  |              |
| 1 dust extraction hood with brush ring | 393.363      |
| 1 bail handle                          |              |
| 3 cable clips                          | 252.188 (3x) |
| 1 hexagon socket wrench, SW 4          | 102.229      |
| 1 extraction adapter SAD-C D32 AS      | 393.398      |
| 1 pin wrench                           | 392.537      |
| 1 carrying case L-BOXX® 238            | 414.093      |
| 1 case insert                          | 414.131      |

## Renovation machines

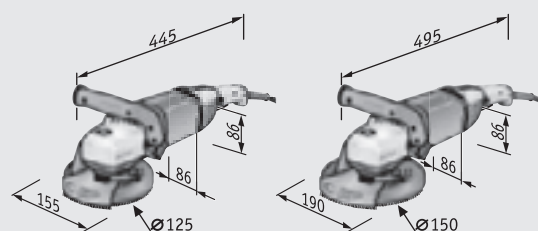
LD 18-7 125 R

LD 18-7 150 R



### SPECIFICATIONS

|                      |           |
|----------------------|-----------|
| Disc Ø LD 18-7 125 R | 125 mm    |
| Disc Ø LD 18-7 150 R | 150 mm    |
| No load speed        | 7000 rpm  |
| Power input          | 1800 watt |
| Power output         | 1200 watt |
| Tool fixture         | M 14      |
| Cable length         | 4,0 m     |
| Weight LD 18-7 125 R | 4,2 kg    |
| Weight LD 18-7 150 R | 4,3 kg    |



### 1800 watt powerful grinding machine for working close to edges

- FV electronic control: with consistent speed control, soft start, overload protection and temperature monitoring
- Reliable 1800 watt high-performance motor with sufficient power reserves
- Vacuum dust collection: protects against abrasive dust, reduces disc wear, keeps concrete pores for the new coat open
- Recessed spindle lock, to avoid unintentional activation
- With steplessly adjustable, vibration-proof, ergonomic bail handle, for optimum handling and machine control
- Guard with pivoting segment to allow grinding right up to the wall. Height-adjustable to the disc height and for optimum dust extraction
- Adapter for FLEX Clip-on system as standard equipment
- 125 mm diameter, ideal for application on small or medium size floor, wall or ceiling areas

### For LD 18-7 150 R

- 150 mm diameter, ideal for application on floor areas

### Standard equipment

#### LD 18-7 125 R

|                                        |              |
|----------------------------------------|--------------|
| 1 dust extraction hood with brush ring | 393.363      |
| 1 bail handle                          |              |
| 3 cable clips                          | 252.188 (3x) |
| 1 hexagon socket wrench                | 102.229      |
| 1 extraction adapter                   | 340.790      |
| 1 pin wrench                           | 392.537      |
| 1 clamping nut M14                     | 100.080      |
| 1 carrying case                        | 329.908      |

#### LD 18-7 150 R

|                                        |              |
|----------------------------------------|--------------|
| 1 dust extraction hood with brush ring | 419.176      |
| 1 bail handle                          |              |
| 3 cable clips                          | 252.188 (3x) |
| 1 hexagon socket wrench                | 102.229      |
| 1 clamping nut M14                     | 100.080      |
| 1 pin wrench                           | 392.537      |
| 1 carrying case                        | 329.908      |

### Kit System

|  |                                |         |
|--|--------------------------------|---------|
|  | LD 18-7 125 R, Kit Turbo-Jet   | 408.603 |
|  | LD 18-7 125 R, Kit TH-Jet      | 408.611 |
|  | LD 18-7 125 R, Kit E-Jet       | 408.638 |
|  | LD 18-7 125 R, Kit PKD-Jet     | 408.646 |
|  | LD 18-7 125 R, Kit PKD-Jet 5-C | 408.654 |
|  | LD 18-7 150 R, Kit Turbo-Jet   | 418.765 |
|  | LD 18-7 150 R, Kit TH-Jet      | 418.773 |
|  | LD 18-7 150 R, Kit E-Jet       | 418.781 |
|  | LD 18-7 150 R, Kit PKD-Jet     | 418.854 |

Accessories from page 196



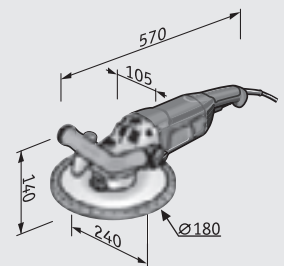
### Grinding machine for large areas, 180 mm

- Flexible rubber vacuum ring with low-wear metal ring: moves smoothly over the surface and protects against dust and flying stones
- Vacuum dust collection: protects against abrasive dust, reduces disc wear, keeps concrete pores for the new coat open
- Soft-start: for a soft start without power overloading
- Restart protection after power interruption
- Extraction hood: with stepless height adjustment
- Vacuum attachment: 32 mm exterior Ø
- Spindle lock
- Ideal for large areas
- Optimum guidance by rear shaft handle
- With steplessly adjustable, vibration-proof, ergonomic bail handle, for optimum handling and machine control
- Suction hose/adapter not included in delivery package
- Sanding plates of heights 22 mm to 28 mm are suitable



### SPECIFICATIONS

|               |           |
|---------------|-----------|
| Disc Ø        | 180 mm    |
| No load speed | 6500 rpm  |
| Power input   | 2400 watt |
| Power output  | 1450 watt |
| Tool fixture  | M 14      |
| Cable length  | 4,0 m     |
| Weight        | 6,6 kg    |



**Kit**  
System

|  |                              |         |
|--|------------------------------|---------|
|  | LD 24-6 180, Kit Turbo-Jet   | 420.514 |
|  | LD 24-6 180, Kit TH-Jet      | 418.870 |
|  | LD 24-6 180, Kit E-Jet       | 418.862 |
|  | LD 24-6 180, Kit PKD-Jet 6-C | 420.522 |

Accessories from page 196

### Standard equipment

#### LD 24-6 180

|                                               |              |
|-----------------------------------------------|--------------|
| 1 extraction hood with rubber extraction ring | 421.154      |
| 1 extraction adapter                          | 393.398      |
| 1 clamping nut M14                            | 100.080      |
| 1 clamping flange SW 17                       | 191.604      |
| 1 bail handle                                 |              |
| 3 cable clips                                 | 302.538 (3x) |
| 1 hexagon socket wrench, SW 6                 | 256.832      |
| 1 pin wrench                                  | 392.537      |
| 1 carrying case                               | 329.908      |

## Renovation machines

### Accessories

| Type                                                                                                                            | Description                                                                                                                                                                                                                            | Designation          | Dimensions<br>in mm | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
| Velcro backing pad<br>Ø 115, Bowl<br>          | Backing pad with velcro face Bowl for securing the abrasives with the velcro system. As damping elements 12 mm cellular rubber pads ensure uniform pressure distribution.                                                              |                      | 115 Ø               | 1  | 366.609   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Base for scouring work<br>                     | Tool-free interchangeable protective guard for optimally guiding of the machine and effective dust extraction.                                                                                                                         |                      | 80 Ø                | 1  | 369.314   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Dust extraction guard<br>                      | With swivel segment and brush ring for grinding work.                                                                                                                                                                                  |                      | 115 Ø               | 1  | 366.528   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Dust guard with<br>pivoting edge segment<br> | Enables you to work near edges at maximum extraction power. Tool-free height adjustment via clamping lever allows quick adjustment of the extraction hood to the tool height.                                                          | SG-R D125 SE         | 125 Ø               | 1  | 393.363   | -           | -           | -            | ■              | ■             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 | For optimal dust extraction without adapter, antistatic. Enables you to work near edges at maximum extraction power. Tool-free height adjustment via clamping lever allows quick adjustment of the extraction hood to the tool height. | SG-R D150 SE         | 150 Ø               | 1  | 419.176   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Brush ring<br>                               | Brush ring for dust extraction hood – contains two segment parts.                                                                                                                                                                      | BK-H RE14-5-115      | 115 Ø               | 1  | 369.454   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        | BK-H SE 14-2 125     | 125 Ø               | 1  | 394.076   | -           | -           | -            | ■              | ■             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        | BK-H SE 14-2 125 VE3 | 125 Ø               | 3  | 421.138   | -           | -           | -            | ■              | ■             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        | BK-H SE 14-2 150     | 150 Ø               | 1  | 419.184   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        | BK-H SE 14-2 150 VE3 | 150 Ø               | 3  | 421.146   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Guard with rubber<br>extraction ring<br>     | The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.                                                                                                        | SG D125 LD           | 125 Ø               | 1  | 421.111   | -           | -           | ■            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        | SG D180 LD           | 180 Ø               | 1  | 421.154   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
| Rubber extraction ring<br>                   | The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.                                                                                                        |                      | 125 Ø               | 1  | 257.246   | ■           | -           | ■            | -              | -             | -             | -           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      | 180 Ø               | 1  | 258.626   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                                 |                                                                                                                                                                                                                                        |                      |                     |    |           |             |             |              |                |               |               |             |
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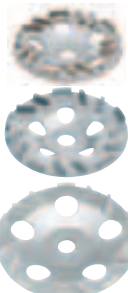
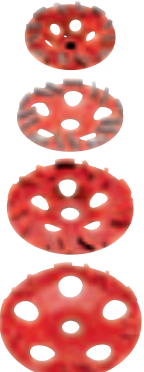
■ suitable  
- not suitable

| Type                                                                                                                                                                                                                                                                                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designation        | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
| Clip adapter<br>                                                                                                                                                                                          | For connecting a FLEX power tool to extraction units from other manufacturers. Suitable for hoses inside Ø 27 mm, outside Ø 36 mm, with auxiliary air adjustment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SAD-C D36/27 AS/NL | 1  | 408.360   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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| Fast clip adapter<br>                                                                                                                                                                                     | Change adapter on electric power tools with closed FLEX-Clip system for quick and easy detachment/attachment (quick clamping ring).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAD-FC 32          | 1  | 410.497   | ■           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
| Adapter<br>                                                                                                                                                                                               | Suitable for suction hoses using the FLEX clip system. Anti-static design.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SAD-C D32 AS       | 1  | 393.398   | -           | -           | ■            | ■              | ■             | ■             | ■           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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| Anti-static suction hose with auxiliary air control<br>                                                                                                                                                 | Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (320.188), antistatic. Inclusive variable adjustment of suction power for reduction of vacuum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SH-C 32x4m AS/NL   | 1  | 406.708   | -           | -           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
| SoftVib side handle<br>                                                                                                                                                                                 | SoftVib handle with vibration cushioning, significantly reducing the vibration transmitted to hands and arms and moderating the risk of vibration-related injury to the operator.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GS-M M8 SVM 8      | 1  | 325.376   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
| Face pin spanner<br>                                                                                                                                                                                    | Special spanner for removing the scouring and grinding heads.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | 1  | 366.536   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
| Carrying case L-BOXX®<br><br><br> | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert, with additional front handle. | TK-L 102           | 1  | 414.077   | -           | -           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 136           | 1  | 414.085   | -           | -           | -            | -              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 238           | 1  | 414.093   | -           | ■           | ■            | ■              | -             | -             | -           |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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|                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |    |           |             |             |              |                |               |               |             |
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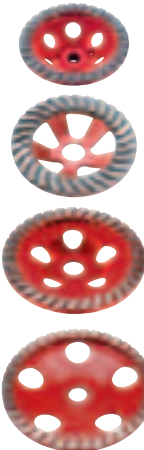


## Renovation machines

### Accessories

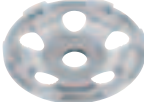
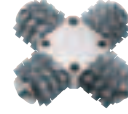
| Type                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                                      | Designation            | Dimensions<br>in mm | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
| Plastic multi-carrying case<br>          | Perfect fitting, impact resistant carrying case for L 3206 CD, L 3208 CD, L 21-6 230, L 24-6 230, LD 3206 C, SR 602 VV, SK 602 VV, LD 18-7 125/150 R, LD 24-6 180.                                                                                                                                                                                                               | TK-S Multi             |                     | 1  | 329.908   | -           | -           | -            | -              | ■             | ■             | ■           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
| Case insert                                                                                                               | Matching insert for RE 14-5 115 for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                   | TKE RE 14-5            |                     | 1  | 414.182   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           | Suitable accessories insert for carrying case L-BOXX® 102.                                                                                                                                                                                                                                                                                                                       | TKE 4x D130/1x 135x295 |                     | 1  | 414.166   | -           | -           | -            | -              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           | Suitable insert for carrying case L-BOXX® 238. For the LD 15-10 125 / R.                                                                                                                                                                                                                                                                                                         | TKE LD 15-10 125       |                     | 1  | 414.131   | -           | -           | ■            | ■              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           | Suitable insert for carrying case L-BOXX® 136 for accessories/sanding tool Ø 150 mm.                                                                                                                                                                                                                                                                                             | TKE 4xD150             |                     | 1  | 407.704   | -           | -           | -            | -              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
| Concrete-Jet diamond grinding disc<br> | Diamond grinding disc suitable for grinding concrete parts, roughing old weathered concrete, hard cement plaster, removing shuttering protrusions and concrete runs, hardened epoxy resin coatings and the natural sintering on concrete components. High grinding capacity and service life from the innovative segment design. Optimal ground preparation for further coating. | B-Jet D115 C M14       | 115 Ø               | 1  | 418.757   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
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|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
| Thermo-Jet diamond grinding disc<br>   | Diamond grinding disc suitable for grinding concrete parts, roughing old weathered concrete, hard cement plaster, removing shuttering protrusions and concrete runs, hardened epoxy resin coatings and the natural sintering on concrete components. High grinding capacity and service life from the innovative segment design. Optimal ground preparation for further coating. | TH-Jet D125 22,2       | 125 Ø               | 1  | 359.378   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  | TH-Jet D150 22,2       | 150 Ø               | 1  | 418.919   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  | TH-Jet D180 22,2       | 180 Ø               | 1  | 359.386   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
| Screed-Jet diamond grinding disc<br>   | Grinding disc for abrasive materials. For removal of formwork transitions and concrete runs from freshly concreted surfaces, mineral adhesives, screeds, plaster, mortar, abrasive lime sand brick, sandstone, chamotte, asphalt.                                                                                                                                                | E-Jet D115 C M14       | 115 Ø               | 1  | 418.803   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  | E-Jet D125 22,2        | 125 Ø               | 1  | 359.394   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  | E-Jet D150 22,2        | 150 Ø               | 1  | 418.927   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  | E-Jet D180 22,2        | 180 Ø               | 1  | 359.408   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                  |                        |                     |    |           |             |             |              |                |               |               |             |

■ suitable  
- not suitable

| Type                                                                                                                          | Description                                                                                                                                                                                                                                                                                   | Designation              | Dimensions<br>in mm | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
| Surface-Jet diamond<br>grinding disc<br><br> | Special grinding disc for cosmetic treatment of concrete and removal of graffiti, as well as for removal of slight unevenness and transitions from concrete parts, soiling on concrete and hard plaster.                                                                                      | S-Jet D115 C M14         | 115 Ø               | 1  | 418.811   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | S-Jet D125 22,2          | 125 Ø               | 1  | 359.424   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
| PCD grinding disc<br><br>                    | PCD grinding disc, the new dimension for removal of thermal coatings from mineral substrates, masonry, oil-based paints and latex paints.                                                                                                                                                     | PKD-Jet D125 22,2        | 125 Ø               | 1  | 359.416   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
| PCD grinding disc<br><br>                   | Grinding disc fitted with polycrystalline diamond segments. For the removal of thermally sensitive coatings such as adhesives, sealants, plastic coatings, bitumen coatings from mineral substrates. The PCD segments enable coatings to be removed quickly and effectively without sticking. | PKD-Jet 4-Cut D115 C M14 | 115 Ø               | 1  | 418.889   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | PKD-Jet 5-Cut D125 22,2  | 125 Ø               | 1  | 406.015   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | PKD-Jet 6-Cut D150 22,2  | 150 Ø               | 1  | 418.943   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | PKD-Jet 6-Cut D180 22,2  | 180 Ø               | 1  | 420.425   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |
| Turbo-Jet diamond<br>grinding disc<br><br> | Turbo-Jet grinding disc with optimum removal rate. The large number of diamond segments provides a considerably quieter operating performance and a more attractive sanding pattern. Ideal for surface grinding on mineral substrates.                                                        | Turbo-Jet D115 C M14     | 115 Ø               | 1  | 418.846   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | Turbo-Jet D125 22,2      | 125 Ø               | 1  | 348.899   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | Turbo-Jet D150 22,2      | 150 Ø               | 1  | 418.935   | -           | -           | -            | -              | -             | ■             | -           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               | Turbo-Jet D180 22,2      | 180 Ø               | 1  | 420.409   | -           | -           | -            | -              | -             | -             | ■           |
|                                                                                                                               |                                                                                                                                                                                                                                                                                               |                          |                     |    |           |             |             |              |                |               |               |             |

## Renovation machines

### Accessories

| Type                                                                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                   | Designation         | Dimensions<br>in mm | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
| TC-Jet carbide grinding disc<br>                     | Carbide grinding disc equipped with soldered carbide cutters. For grinding soft plaster, removing paint and tile adhesive on soft plaster, grout and fillers, aged fillers and sealants and for sanding tile adhesive on soft plaster.                                                                                                                                                        | TC-Jet D115 C M14   | 115 Ø               | 1  | 418.897   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| Diamond grinding disc<br>                            | Universal grinding disc for grinding mineral surfaces.                                                                                                                                                                                                                                                                                                                                        | Basic-Cut D125 22,2 | 125 Ø               | 1  | 420.417   | -           | -           | ■            | ■              | ■             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| Scouring head complete, pointed<br>                 | Complete with 12 pointed hard metal carbide scouring discs. For removing hard plaster, concrete, foam backing and adhesive residues, paint on plaster, epoxy plaster, flexible protective coatings, plaster on wooden beams and latex/oil paints on plaster.                                                                                                                                  |                     | 80 Ø                | 1  | 366.552   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| TC scouring discs, pointed<br>                     | 12 pointed carbide scouring discs with fixing bolts and guide discs .                                                                                                                                                                                                                                                                                                                         |                     |                     |    | 366.501   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| Scouring head complete, flat<br>                   | Fitted with 12 flat hard metal carbide scouring discs. For removing soft materials, including plaster, green concrete, foam backing and adhesive residues, soft PU coatings, paint coatings on plaster, plaster on wooden beams and latex/oil paint on plaster, shuttering protrusions and concrete runs on fresh concreted surfaces. The flat form leaves the surface smooth (pull cutting). |                     | 80 Ø                | 1  | 366.560   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| TC scouring discs, flat<br>                        | 12 flat carbide scouring discs with fixing bolts and guide discs.                                                                                                                                                                                                                                                                                                                             |                     |                     |    | 366.617   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
| "Perforator" tool head with HSS cutting wheels<br> | Tool head with 4 hardened and ground cutters on a steel axle for perforating wall coverings such as in-grain wallpaper. The surface is opened for rapid penetration of wallpaper strippers.                                                                                                                                                                                                   |                     | 80 Ø                | 1  | 366.757   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                               |                     |                     |    |           |             |             |              |                |               |               |             |

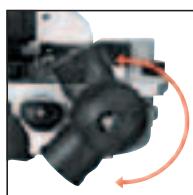
■ suitable  
- not suitable

| Type                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                   | Designation       | Dimensions<br>in mm | Grit  | QP | Order no. | WST 1000 FV | RE 14-5 115 | LD 15-10 125 | LD 15-10 125 R | LD 18-7 125 R | LD 18-7 150 R | LD 24-6 180 |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-------|----|-----------|-------------|-------------|--------------|----------------|---------------|---------------|-------------|
| HSS cutting wheels<br>              | 4 replacement cutting wheels for the "perforator" tool head – for perforating coverings.                                                                                                                                                                                                                                      |                   | 38 Ø                |       | 4  | 366.765   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               |                   |                     |       |    |           |             |             |              |                |               |               |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               |                   |                     |       |    |           |             |             |              |                |               |               |             |
| Velcro sanding paper<br>PURFLEX<br> | Ideally suited to working wood and metal.                                                                                                                                                                                                                                                                                     | D115 PU-P24 VE25  | 115 Ø               | P 24  | 25 | 381.195   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P40 VE50  | 115 Ø               | P 40  | 50 | 381.209   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P60 VE50  | 115 Ø               | P 60  | 50 | 381.217   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P80 VE50  | 115 Ø               | P 80  | 50 | 381.225   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P100 VE50 | 115 Ø               | P 100 | 50 | 381.233   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P120 VE50 | 115 Ø               | P 120 | 50 | 381.241   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P150 VE50 | 115 Ø               | P 150 | 50 | 381.268   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | D115 PU-P180 VE50 | 115 Ø               | P 180 | 50 | 381.276   | -           | ■           | -            | -              | -             | -             | -           |
| Diamond sanding pad<br>             | For use with velcro sanding disc 115 Ø. Sanding pads for dry sanding, a great advantage in the repair and renovation areas. Suitable for grinding and polishing granite worktops, fine stoneware tiles, floor tiles, concrete surfaces in the field of vision, natural stone on windowsills, cover panels, sculptures, steps. | DP 50 DRY D115    | 115 Ø               | 50    | 1  | 386.197   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 100 DRY D115   | 115 Ø               | 100   | 1  | 386.200   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 200 DRY D115   | 115 Ø               | 200   | 1  | 386.219   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 400 DRY D115   | 115 Ø               | 400   | 1  | 386.227   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 800 DRY D115   | 115 Ø               | 800   | 1  | 386.235   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 1500 DRY D115  | 115 Ø               | 1500  | 1  | 386.243   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 3000 DRY D115  | 115 Ø               | 3000  | 1  | 386.251   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               | DP 10000 DRY D115 | 115 Ø               | 10000 | 1  | 386.278   | -           | ■           | -            | -              | -             | -             | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               |                   |                     |       |    |           |             |             |              |                |               |               |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                               |                   |                     |       |    |           |             |             |              |                |               |               |             |

## The FLEX wall chaser. It does you a good turn. Left- and right-hand alike.



Cutting slots with 2 parallel running FLEX high-performance diamond cutting discs. The middle partition can then be broken out using the supplied slot breaker. Only the FLEX wall chaser allows changeover from vertical pull cutting to horizontal push cutting. Unlock, swivel the motor, lock – finished! Fatigue-free working in both directions!



### At the turn of a dial

It does not matter in which direction you are cutting. The swivelling vacuum hose adapter allows for hinderence free working.



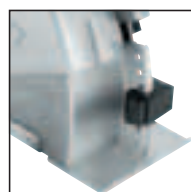
### The trick is in the swivel

Patented swivel-mounted motor (EP1693169) allows for push and pull cutting.



### Tool-free and simple

The disc guard can be opened and the quick-clamp nut loosened without any additional tools. In this way you can change the diamond cutting discs and quickly adjust the distance rings according to the desired groove width.



### Easy depth setting

You can use the scale – which is divided into 5 mm increments – on the disc guard to set how deep the milled cut should be.





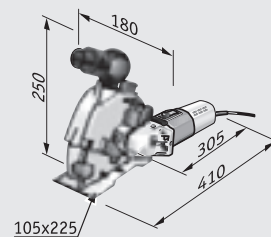
### Wall chaser for push and pull cutting

- FR electronic control: with tachogenerator constant speed control, soft start, overload protection and temperature monitoring
- Patented swivel-mounted motor (EP1693169) allows for push and pull cutting.
- Optimal dust extraction and maximum safety due to enclosed guard
- Tool-free blade changing and slit width adjustment
- Rotating adaptor for dust extractor
- Tool-free cutting depth adjustment
- Plunge cut stop
- Chases two parallel slots up to 35 mm deep and 30 mm wide
- Slot breaker for easy removal of the remaining material without a hammer
- This machine is also available in 110 V



### SPECIFICATIONS

|               |           |
|---------------|-----------|
| Cutting depth | 0-35 mm   |
| Groove width  | 10-30 mm  |
| Disc Ø        | 140 mm    |
| No load speed | 7500 rpm  |
| Power input   | 1400 watt |
| Power output  | 950 watt  |
| Tool fixture  | M 14      |
| Cable length  | 4,0 m     |
| Weight        | 4,6 kg    |



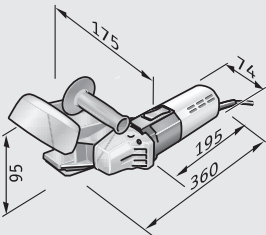
| Standard equipment                             | Order no.      |
|------------------------------------------------|----------------|
| <b>MS 1706 FR Set</b>                          | <b>329.673</b> |
| 2 Diamantjet VI-Speedcut-cutting disc 140 mm Ø | 334.464 (2x)   |
| 1 side handle                                  | 194.034        |
| 1 SDS-Clc quick-clamp nut M 14                 | 253.049        |
| Distance spacers                               | 251.478 (1x)   |
| Stacking discs                                 | 318.914 (2x)   |
| Clamping flanges                               | 191.612 (2x)   |
| 1 web remover                                  | 229.253        |
| 1 adapter for dust extractor                   | 327.026        |
| Cable clip                                     | 252.188 (3x)   |
| 1 carrying case                                | 327.034        |

Special tools  
F 1109



SPECIFICATIONS

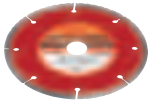
|                |           |
|----------------|-----------|
| Power input    | 710 watt  |
| Power output   | 420 watt  |
| No load speed  | 10000 rpm |
| Planer width   | 40 mm     |
| Planer depth   | 6 / 8 mm  |
| No. of cutters | 4 pieces  |
| Tool fixture   | M 14      |
| Cable length   | 4,0 m     |
| Weight         | 3,9 kg    |



710 watt gutter support groove cutter

- Rugged motor
- 4 HSS reversible cutters: the cutters can be reversed, allowing them to be used four times
- Cutting head: 80 mm diameter, M 14 tool fixture
- Controlled chip channelling
- Adjustable to 6 mm and 8 mm thick gutter supports

| Standard equipment                      | Order no.      |
|-----------------------------------------|----------------|
| <b>F 1109</b>                           | <b>251.338</b> |
| 1 set HHS reversible cutters (4 pieces) | 241.091        |
| 1 torx wrench                           | 258.861        |
| 1 open-ended wrench SW 30/17            | 106.461        |
| 1 carrying case L-BOXX® 238             | 414.093        |
| 1 case insert                           | 434.248        |

| Type                                                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Designation        | Dimensions<br>in mm | QP | Order no. | MS 1706 FR Set | F 1109 |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|----|-----------|----------------|--------|
| Clip adapter<br>             | For connecting a FLEX power tool to extraction units from other manufacturers. Suitable for hoses inside Ø 27 mm, outside Ø 36 mm, with auxiliary air adjustment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SAD-C D36/27 AS/NL |                     | 1  | 408.360   | ■              | -      |
| Fast clip adapter<br>        | Change adapter on electric power tools with closed FLEX-Clip system for quick and easy detachment/attachment (quick clamping ring).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SAD-FC 32          |                     | 1  | 410.497   | ■              | -      |
| Diamantjet VI – Speedcut<br> | For cuts in walls, limestone, concrete and porous concrete. Due to the innovative HDS (high density sintered) technology, which can be recognised by the high density and homogeneity of the binding components, the Speedcut cutting disc stands out because of its uniform light cutting action, its long life span and the overheating protection it offers. Due to the ribbed form, only minimal pressure needs to be applied and the debris is removed quickly: the workpiece is cut cleanly and smoothly.                                                                                                                                                                       |                    | 140 Ø               | 1  | 334.464   | ■              | -      |
| HM reversible blades<br>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    | 21 x 21             | 4  | 229.555   | -              | ■      |
| HSS reversible blades<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    | 21 x 21             | 4  | 241.091   | -              | ■      |
| Carrying case L-BOXX®<br>  | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXXes optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert. | TK-L 238           |                     | 1  | 414.093   | -              | ■      |
| Case insert                                                                                                   | Matching insert for F 1109 for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TKE F1109          |                     | 1  | 434.248   | -              | ■      |

■ suitable  
- not suitable

## FLEX hammer drills. They get through virtually anything.

Developed for drilling applications in concrete, stone, wood, metal and steel, the FLEX hammer drills and caulking hammers meet the highest demands in terms of performance, diversity and service life.

The FHE 2-22 SDS-plus hammer drill is the specialist for masonry and concrete. With its electropneumatic striking mechanism, it will penetrate materials almost like butter. Only very little pressure is required. The FLEX hammer drill FHE 2-22 SDS-plus is the top choice for serial drilling in masonry and concrete.

The FLEX impact hammer drills are true all-rounders that can drill through stone and concrete. The required pressure is much higher than in the hammer drill because of the mechanical striking mechanism. The FLEX hammer drills work just as delicately and precisely as the impact drills. An accelerator trigger switch permits careful dosage of the speed and impact intensity.



## Drilling, impact drilling or caulking?

|                               |  |  |  |  |
|-------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               | <b>FHE 2-22 SDS-plus</b>                                                          | <b>CHE 2-28 SDS-plus</b>                                                          | <b>CHE 4-32 SDS-plus</b>                                                            | <b>DH 5 SDS-max</b>                                                                 |
| Power input                   | 710 watt                                                                          | 800 watt                                                                          | 900 watt                                                                            | 1050 watt                                                                           |
| Tool fixture                  | SDS-plus                                                                          | SDS-plus                                                                          | SDS-plus                                                                            | SDS-max                                                                             |
| Single impact energy (EPTA)   | 2.1 J                                                                             | 2.7 J                                                                             | 4.8 J                                                                               | 6.7 J                                                                               |
| Max. drill hole Ø in concrete | 22 mm                                                                             | 26 mm                                                                             | 32 mm                                                                               | –                                                                                   |
| Max. drill hole Ø masonry     | 13 mm                                                                             | 13 mm                                                                             | 82 mm                                                                               | –                                                                                   |
| Max. drill hole Ø in wood     | 26 mm                                                                             | 30 mm                                                                             | 32 mm                                                                               | –                                                                                   |
| Max. drill hole Ø in steel    | 13 mm                                                                             | 13 mm                                                                             | 13 mm                                                                               | –                                                                                   |
| Weight                        | 2.3 kg                                                                            | 2.65 kg                                                                           | 4.6 kg                                                                              | 5 kg                                                                                |
| Drilling depth stop enclosed  | yes                                                                               | yes                                                                               | yes                                                                                 | no                                                                                  |
| Handle enclosed               | yes                                                                               | yes                                                                               | yes                                                                                 | yes                                                                                 |
| Carrying case                 | L-BOXX®                                                                           | L-BOXX®                                                                           | L-BOXX®                                                                             | Plastic carrying case                                                               |





## FHE 2-22 SDS-plus

### Small, strong, practical

The FHE 2-22 SDS-plus has a drill and a hammer drill function with a strike force of 2.1 Joule. This makes it particularly suitable for use for dowel drilling in concrete and masonry. The shorter builds make the FHE 2-22 SDSplus more practical and lighter in weight, turning it into an indispensable companion when installing or attaching heat insulation composite systems.



#### Two is better than one.

Easy-to-operate switch for the following functions:

- 1 Drilling without hammer
- 2 Drilling with hammer



#### A smart head

The additional handle with an integrated depth stop can be easily rotated and locked at the desired position. With the SDS-plus you can quickly change both drills and chisels without any tools.



#### Right or left?

Easy-to-operate switch for right-/left-ward operation.



#### Accelerator trigger switch

An accelerator trigger switch with permanent operating function permits careful dosage of the speed and impact intensity. The soft grip also ensures a secure grip.

## CHE 2-28 SDS-plus

### Light universal hammer drill

The light-weight all-rounder with 800 watt output is ideal for daily use. For drilling and hammer drilling at diameters of 4-18 mm in masonry and concrete, both for dowel attachments and passage bores. The max. drilling area is at 24 mm. With the additional chisel function with rotating stop, the CHE 2-28 SDS-plus is also suitable for light caulking work to remove plaster and tiles. The SDS-plus holder permits tool-free and quick tool changes. Of course, the universal hammer drill is equipped with a right-left-rotation and permanent operating function. The accelerator trigger switch permits a careful drilling start. Additionally equipped with a rubberised soft handle for comfortable and safe work.



#### Versatile

Easy-to-operate switch for the following functions:

- 1 Drilling without hammer
- 2 Drilling with hammer
- 3 Continuous chisel positioning
- 4 Hammer function for chiselling



#### Accelerator trigger switch

With permanent operation and right-/left operation function.



#### A smart head

The additional handle with an integrated depth stop can be easily rotated and locked at the desired position. With the SDS-plus you can quickly change both drills and chisels without any tools.



#### A firm grip

The soft grip makes work more comfortable and ensures a safe grip.





## CHE 4-32 SDS-plus

### Compact and powerful 4 kg combined hammer drill

The practical and powerful 900 watt hammer drill and chisel hammer CHE 4-32 SDS-plus has a drilling function with hammer impact as well as a chisel function and rotating stop for chiselling. It is very well suitable for caulking work to remove plaster, tiles, masonry and light concrete. Thanks to the SDS-plus holder, the tool can easily be changed without any equipment. The CHE 4-32 SDS-plus is delivered in the practical L-BOXX®.



#### It's all in the head

The additional handle with an integrated depth stop can be easily rotated and locked at the desired position. With the SDS-plus you can quickly change both drills and chisels without any tools.



#### With feeling

The accelerator trigger switch ensures safe and comfortable work. Precise drilling starts are no problem.



#### Versatile

Easy-to-operate switch for the following functions:

- 1 Drilling without hammer
- 2 Drilling with hammer
- 3 Continuous chisel positioning
- 4 Hammer function for chiselling



#### A firm grip

The soft grip makes work more comfortable and ensures a safe grip.

## DH 5 SDS-max

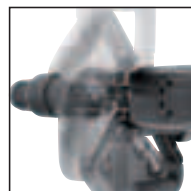
### Compact and powerful 5 kg demolition hammer

The compact 1000 watt demolition hammer DH 5 SDS-max convinces with its practical use and robustness. Ideal for chiselling work of medium difficulty in concrete and masonry, particularly in the wall area. Concrete cosmetics, tile and plaster removal, as well as breakthrough work in the wall and floor areas. Thanks to the SDS-max holder with 12-fold chisel adjustment, the tool can be changed quickly without any equipment. The rear handle is vibration-dampened. This ensures low-vibration and fatigue-free work. The enclosed side handle can be turned radially and axially and thus perfectly adjusted to the user's needs.



#### Anti-vibration

The vibration-dampened and anti-slip handle ensures a secure hold and eases strain on the user.



#### Axially and radially

The additional handle is axially and radially adjustable, always for finding an optimal hold. For an optimum hold and precision guidance.

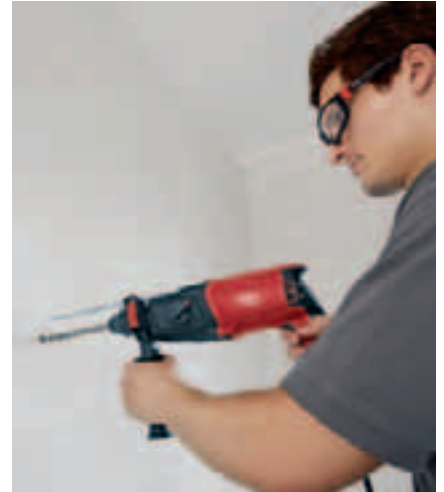


#### Always in the correct position

Tool-free adjustment of the 12 chisel positions.



## Size is not everything. The “little ones” are quite powerful as well.



### The “little” all-rounder

The 2.3 kg light and compact 710 watt hammer drill FHE 2-22 SDS-plus is ideal for drilling, hammer-drilling in masonry and concrete, for dowels, anchor attachments and passage bores.

### Handy, precise and powerful

Dowel holes and passage bores up to 26 mm for electrical lines and tubes are child’s play for the CHE 2-28 SDS-plus.



### Simple tool change with SDS plus

No tools are needed to change drills and chisels thanks to SDS-plus. As a result, the CHE 2-28 SDS-plus can be rapidly set to all the requirements.

### Small but really fine

Even wall tiles present no difficulty for the CHE 2-28 SDS-plus thanks to its chiselling function. The chisel can be set in all positions.



## When you need a little more. Powerful, high-performance and yet practical.



### Through thick and thin

The CHE 4-32 SDS-plus effortlessly drills and hammer-drills in masonry and concrete. For example, for drilling holes for compound anchor attachments and through-holes.



### Versatile applications

The practical and powerful 900 watt hammer drill and chisel hammer CHE 4-32 SDS-plus has a drilling function with hammer impact as well as a chisel function and rotating stop for chiselling.



### He works flat out

The CHE 4-32 SDS-plus is particularly suitable for trimming work to remove plaster, masonry and light concrete.



### Anti-vibration

The rear grip is equipped with vibration damping. This allows the user to work longer without tiring – even in continuous use.



### Always held correctly

It has a radially and axially hinged auxiliary handle. This enables the operator to always set the handle in the optimum position.



### In perfect position

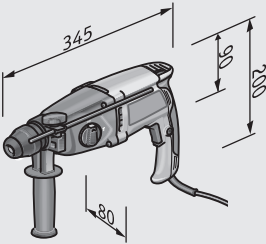
Thanks to the 12 tool-free adjustable chisel positions, the tool can always be optimally positioned.

Rotary hammer drills  
FHE 2-22 SDS-plus



SPECIFICATIONS

|                               |            |
|-------------------------------|------------|
| No load speed                 | 0-1400 rpm |
| Blows per minute              | 0-4300 bpm |
| Single impact energy (EPTA)   | 2,1 J      |
| Max. drill hole Ø in concrete | 22 mm      |
| Max. drill hole Ø in steel    | 13 mm      |
| Max. drill hole Ø in wood     | 26 mm      |
| Power input                   | 710 watt   |
| Tool fixture                  | SDS-plus   |
| Cable length                  | 4,0 m      |
| Weight                        | 2,3 kg     |



Rotary hammer drill, 2,3 kg, SDS-plus

- Light-weight and handy 710 watt pistol-shaped fixing hammer
- Clockwise/anti-clockwise rotation with switchover via carbon brush reverser. As a result, almost identical torque in both directions of rotation
- Hammer drilling
- Depth limit gauge: for precision drilling
- Max.drilling range up to 22 mm in concrete
- Accelerator switch with lock-on function
- Robust glass fibre reinforced housing
- Ideally suited for drilling/hammer drilling, diameter 4-12 mm in concrete for attachment of dowels and anchors

| Standard equipment          | Order no. |
|-----------------------------|-----------|
| FHE 2-22 SDS-plus           | 413.674   |
| 1 handle                    | 416.126   |
| 1 drill depth stop          | 416.118   |
| 1 carrying case L-BOXX® 136 | 414.085   |
| 1 case insert               | 414.042   |

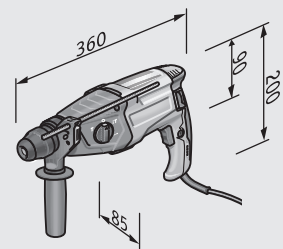


Universal rotary hammer drill, 2,5 kg, SDS-plus

- Light 800 watt hammer drill and chisel hammer, pistol-shaped with the clockwise/anticlockwise rotation function
- Clockwise/anti-clockwise rotation with switchover via carbon brush reverser. As a result, almost identical torque in both directions of rotation
- Hammer drilling
- Depth limit gauge: for precision drilling
- Rotation stop for chiselling
- Max. drilling range up to 26 mm in concrete
- Accelerator switch with lock-on function
- Ideal for drilling and hammer drilling, diameters from 4-18 mm in masonry and concrete for dowel fixings or through-holes.
- For light-duty chiselling work when removing plaster and tiles



| SPECIFICATIONS                |            |
|-------------------------------|------------|
| No load speed                 | 0-1300 rpm |
| Blows per minute              | 0-4000 bpm |
| Single impact energy (EPTA)   | 2,7 J      |
| Max. drill hole Ø in concrete | 26 mm      |
| Max. drill hole Ø in steel    | 13 mm      |
| Max. drill hole Ø in wood     | 30 mm      |
| Power input                   | 800 watt   |
| Tool fixture                  | SDS-plus   |
| Cable length                  | 4,0 m      |
| Weight                        | 2,65 kg    |



| Standard equipment          | Order no. |
|-----------------------------|-----------|
| CHE 2-28 SDS-plus           | 413.666   |
| 1 handle                    | 417.742   |
| 1 drill depth stop          | 417.769   |
| 1 carrying case L-BOXX® 136 | 414.085   |
| 1 case insert               | 414.042   |

## Rotary hammer drills

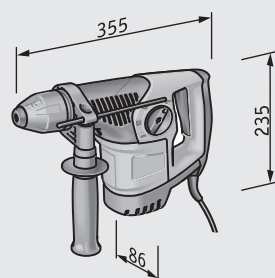
### CHE 4-32 SDS-plus



NEW

#### SPECIFICATIONS

|                                          |            |
|------------------------------------------|------------|
| No load speed                            | 0-850 rpm  |
| Blows per minute                         | 0-3700 bpm |
| Single impact energy (EPTA)              | 4,8 J      |
| Max. drill hole Ø in concrete            | 32 mm      |
| Max. drill hole Ø in masonry (drill bit) | 82 mm      |
| Max. drill hole Ø in steel               | 13 mm      |
| Max. drill hole Ø in wood                | 32 mm      |
| Power input                              | 900 watt   |
| Tool fixture                             | SDS-plus   |
| Cable length                             | 4,0 m      |
| Weight                                   | 4,6 kg     |



#### Universal rotary hammer drill, 4 kg, SDS-plus

- 900 watt hammer drill and chisel hammer in D-build with high impact energy and low vibrations
- Accelerator switch with lock-on function
- Function switch with four functions: drilling, hammer drilling, chiselling, chisel adjustment
- Rotation stop for chiselling
- Drilling chuck can be removed without tools
- Non-rotating additional handle with depth stop
- Max. drilling range up to 32 mm
- For light-duty chiselling work when removing plaster and tiles

| Standard equipment          | Order no.      |
|-----------------------------|----------------|
| <b>CHE 4-32 SDS-plus</b>    | <b>428.337</b> |
| 1 handle                    | 436.232        |
| 1 drill depth stop          | 436.062        |
| 1 carrying case L-BOXX® 238 | 414.093        |
| 1 case insert               | 429.104        |

Accessories from page 218



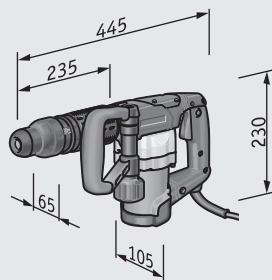
Demolition hammer, 5 kg, SDS-max

- Very handy and compact L-design 1050 watt chisel hammer
- With side handle, can be both radially and axially rotated and vibration-dampened handle
- Ideal for medium-duty chiselling work in concrete and masonry, especially in walls. Concrete face-lifting, removal of tiles and plaster and knocking-through in walls and floors



SPECIFICATIONS

|                             |           |
|-----------------------------|-----------|
| Blows per minute            | 3500 bpm  |
| Power input                 | 1050 watt |
| Single impact energy (EPTA) | 6,7 J     |
| Chisel positions            | 12        |
| Tool fixture                | SDS-max   |
| Cable length                | 4,0 m     |
| Weight                      | 5 kg      |



| Standard equipment | Order no. |
|--------------------|-----------|
| DH 5 SDS-max       | 365.920   |
| 1 handle           | 370.916   |
| 1 tube of grease   | 370.894   |
| 1 carrying case    | 402.583   |

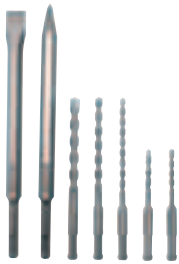
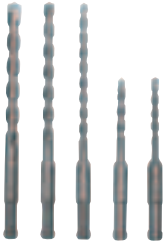


# Rotary hammer drills

## Accessories

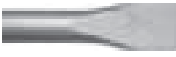
| Type                                                                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                   | Designation             | Diameter in mm | Length in mm | QP | Order no. | FHE 2-22 SDS-plus | CHE 2-28 SDS-plus | CHE 4-32 SDS-plus | CHE 18.0-EC | DH 5 SDS-max |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------|--------------|----|-----------|-------------------|-------------------|-------------------|-------------|--------------|
| SDS 2-plus drill<br>            | Drill with 2 solid carbide alloy cutters, reinforcement chamfer and centering point for easy, precision-point working. Asymmetrical, high-capacity double conveyor spirals for quick transfer of the drill dust. Core reinforcement for maximum energy transfer from hammer drill to drill tip. Vibration-damping and also conveys more energy to the cutting bit. Ideal for drilling in concrete, masonry and natural stone. | HD 2-C D4x110 SDS-plus  | 4              | 110          | 1  | 367.931   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D5x110 SDS-plus  | 5              | 110          | 1  | 367.958   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D6x110 SDS-plus  | 6              | 110          | 1  | 367.966   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D5x160 SDS-plus  | 5              | 160          | 1  | 367.974   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D6x160 SDS-plus  | 6              | 160          | 1  | 367.982   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D8x160 SDS-plus  | 8              | 160          | 1  | 367.990   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D10x160 SDS-plus | 10             | 160          | 1  | 368.008   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D12x160 SDS-plus | 12             | 160          | 1  | 368.016   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D6x210 SDS-plus  | 6              | 210          | 1  | 368.024   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D8x210 SDS-plus  | 8              | 210          | 1  | 368.032   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D10x210 SDS-plus | 10             | 210          | 1  | 368.040   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D12x210 SDS-plus | 12             | 210          | 1  | 368.059   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D14x210 SDS-plus | 14             | 210          | 1  | 368.067   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D16x210 SDS-plus | 16             | 210          | 1  | 368.075   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D8x260 SDS-plus  | 8              | 260          | 1  | 368.083   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D10x260 SDS-plus | 10             | 260          | 1  | 368.091   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D12x260 SDS-plus | 12             | 260          | 1  | 368.105   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D14x260 SDS-plus | 14             | 260          | 1  | 368.113   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D16x310 SDS-plus | 16             | 310          | 1  | 368.121   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D18x200 SDS-plus | 18             | 200          | 1  | 368.148   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D20x200 SDS-plus | 20             | 200          | 1  | 368.156   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D18x450 SDS-plus | 18             | 450          | 1  | 368.164   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D20x450 SDS-plus | 20             | 450          | 1  | 368.172   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D22x450 SDS-plus | 22             | 450          | 1  | 368.180   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               | HD 2-C D25x450 SDS-plus | 25             | 450          | 1  | 368.199   | ■                 | ■                 | ■                 | ■           | -            |
| SDS-plus flat chisel<br>       | Extremely hard, ideal for demolition work.                                                                                                                                                                                                                                                                                                                                                                                    | flat                    | 20 x 250       |              | 1  | 368.490   | -                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
| SDS-plus sharp chisel<br>      | Extremely hard, ideal for demolition work.                                                                                                                                                                                                                                                                                                                                                                                    | pointed                 | 250            |              | 1  | 368.504   | -                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
| SDS-plus broad-flat chisel<br> | The broad flat chisel is excellent for stripping plastered walls. Higher removal rate due to wedge effect. More material removal per chisel stroke.                                                                                                                                                                                                                                                                           | spat                    | 40 x 250       |              | 1  | 368.512   | -                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
| SDS-plus tile chisel<br>       | The tile chisel is suited for renovation work. It has a large leaf width, can be optimally placed in joints and also preserves the underground.                                                                                                                                                                                                                                                                               | cambered                | 40 x 250       |              | 1  | 368.628   | -                 | ■                 | ■                 | ■           | -            |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |
|                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                |              |    |           |                   |                   |                   |             |              |

■ suitable  
 - not suitable

| Type                                                                                                                    | Description                                                                                                                                                                                                                                                 | Designation                | Diameter<br>in mm | Length<br>in mm | QP | Order no. | FHE 2-22 SDS-plus | CHE 2-28 SDS-plus | CHE 4-32 SDS-plus | CHE 18.0-EC | DH 5 SDS-max |
|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|-----------------|----|-----------|-------------------|-------------------|-------------------|-------------|--------------|
| Chisel/drill set SDS-plus<br>          | Set consisting of:<br>SDS 2-plus drills<br>1x 5 Ø x 110 mm,<br>1x 6 Ø x 110 mm,<br>1x 6 Ø 160 mm,<br>1x 8 Ø x 160 mm,<br>1x 10 Ø x 160 mm,<br>1x sharp chisel SDS-plus 250 mm,<br>1x flat chisel SDS-plus 250 mm.                                           |                            |                   |                 | 1  | 368.571   | -                 | ■                 | ■                 | ■           | -            |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
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|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
| Hammer drill bit set<br>SDS-plus<br>  | Set consisting of<br>1 x D 5x110,<br>1 x D 6x110,<br>1 x D 6x160,<br>1 x D 8x160,<br>1 x D 10x160.                                                                                                                                                          | HD 2-C D5-10 Set SDS-plus  |                   |                 | 1  | 414.026   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
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|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
| Hammer drill bit set<br>SDS-plus<br> | Drill bits with 2 main and 2 secondary cutting edges and centring tip for simple, pinpoint drilling even in reinforced concrete. With a 4-spiral drill bit shank for quicker, optimum removal of the drilling dust and to reduce the drill bit temperature. | HD 4-C D8x310 SDS-plus VE5 | 8                 | 250             | 5  | 414.034   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
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|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
| Keyless chuck<br>                    | For machines with SDS-plus holder.                                                                                                                                                                                                                          |                            | 1,5-13            |                 | 1  | 272.639   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
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|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
| SDS-plus adapter<br>                 | Adapter for 1/2" drill chuck (Order No. 272.639).                                                                                                                                                                                                           |                            |                   |                 | 1  | 368.652   | ■                 | ■                 | ■                 | ■           | -            |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |
|                                                                                                                         |                                                                                                                                                                                                                                                             |                            |                   |                 |    |           |                   |                   |                   |             |              |

# Rotary hammer drills

## Accessories

| Type                                                                                                        | Description                                                                                                                                                                                                                                                                               | Designation            | Diameter in mm | Length in mm | QP | Order no. | FHE 2-22 SDS-plus | CHE 2-28 SDS-plus | CHE 4-32 SDS-plus | DH 5 SDS-max |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|--------------|----|-----------|-------------------|-------------------|-------------------|--------------|
| SDS 2-max drill<br>       | Drill with 2 sharp carbide cutters. For drilling in concrete, masonry and natural stone.                                                                                                                                                                                                  | HD 2-C D12x340 SDS-max | 12             | 340          | 1  | 368.202   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 2-C D14x340 SDS-max | 14             | 340          | 1  | 368.210   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 2-C D15x340 SDS-max | 15             | 340          | 1  | 368.229   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 2-C D12x540 SDS-max | 12             | 540          | 1  | 368.237   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 2-C D14x540 SDS-max | 14             | 540          | 1  | 368.245   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 2-C D15x540 SDS-max | 15             | 540          | 1  | 368.253   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
| SDS 4-max drill<br>      | The drill tipped 4-cut head design ensures centric guidance in the drill hole. Two additional secondary cutters protect the drill from impacting on any steel reinforcement. Moreover, the special spiral design reduces vibrations. Highly suitable for drilling in reinforced concrete. | HD 4-C D16x340 SDS-max | 16             | 340          | 1  | 368.261   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D18x340 SDS-max | 18             | 340          | 1  | 368.288   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D20x320 SDS-max | 20             | 320          | 1  | 368.296   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D22x320 SDS-max | 22             | 320          | 1  | 368.318   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D25x320 SDS-max | 25             | 320          | 1  | 368.326   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D28x370 SDS-max | 28             | 370          | 1  | 368.334   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D30x370 SDS-max | 30             | 370          | 1  | 368.342   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D32x370 SDS-max | 32             | 370          | 1  | 368.350   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D35x370 SDS-max | 35             | 370          | 1  | 368.369   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D16x540 SDS-max | 16             | 540          | 1  | 368.377   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D18x540 SDS-max | 18             | 540          | 1  | 368.385   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D20x520 SDS-max | 20             | 520          | 1  | 368.393   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D22x520 SDS-max | 22             | 520          | 1  | 368.407   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D24x520 SDS-max | 24             | 520          | 1  | 368.415   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D25x520 SDS-max | 25             | 520          | 1  | 368.423   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D28x570 SDS-max | 28             | 570          | 1  | 368.431   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D30x570 SDS-max | 30             | 570          | 1  | 368.458   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D32x570 SDS-max | 32             | 570          | 1  | 368.466   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D35x570 SDS-max | 35             | 570          | 1  | 368.474   | -                 | -                 | -                 | -            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           | HD 4-C D40x570 SDS-max | 40             | 570          | 1  | 368.482   | -                 | -                 | -                 | -            |
| SDS-max flat chisel<br>  | Extremely hard, ideal for demolition work.                                                                                                                                                                                                                                                | flat                   | 25 x 400       |              | 1  | 368.539   | -                 | -                 | -                 | ■            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
| SDS-max sharp chisel<br> | Extremely hard, ideal for demolition work.                                                                                                                                                                                                                                                | pointed                | 400            |              | 1  | 368.547   | -                 | -                 | -                 | ■            |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |
|                                                                                                             |                                                                                                                                                                                                                                                                                           |                        |                |              |    |           |                   |                   |                   |              |

■ suitable  
- not suitable

| Type                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designation         | Diameter<br>in mm | QP | Order no. | FHE 2-22 SDS-plus | CHE 2-28 SDS-plus | CHE 4-32 SDS-plus | DH 5 SDS-max |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----|-----------|-------------------|-------------------|-------------------|--------------|
| SDS-max broad-flat chisel                                                           | The broad flat chisel is excellent for stripping plastered walls. Higher removal rate due to wedge effect. More material removal per chisel stroke.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | spat                | 50 x 360          | 1  | 368.555   | -                 | -                 | -                 | ■            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| SDS-max tile chisel                                                                 | The tile chisel is suited for renovation work. It has a large blade width, can be optimally placed in joints and also preserves the underground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | cambered            | 50 x 300          | 1  | 368.563   | -                 | -                 | -                 | ■            |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| SDS-max chisel set                                                                  | Set consisting of 1x sharp chisel 400 mm SDS-max, 1x flat chisel SDS-max 25 x 400 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                   | 1  | 368.601   | -                 | -                 | -                 | ■            |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| Drill dust adapter                                                                  | The drill dust extractor is connected to the suction hose of the FLEX vacuum cleaners or to different adapters so that the dust is extracted directly through the drill hole. There is no dust residue. For drilling applications up to Ø 24 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | SAD BS D32          | 290 x 65          | 1  | 394.025   | ■                 | ■                 | ■                 | -            |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| Carrying case L-BOXX®                                                               | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert, with additional front handle. | TK-L 136            |                   | 1  | 414.085   | ■                 | ■                 | -                 | -            |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | TK-L 238            |                   | 1  | 414.093   | -                 | -                 | ■                 | -            |
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| Case insert                                                                         | Matching insert for CHE 2-28/FHE 2-22 SDS plus for carrying case L-BOXX® 136.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TKE CHE2-28/FHE2-22 |                   | 1  | 414.042   | ■                 | ■                 | -                 | -            |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |
| Case insert                                                                         | Matching insert for CHE 4-32 SDS plus for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TKE CHE 4-32        |                   | 1  | 429.104   | -                 | -                 | ■                 | -            |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                   |    |           |                   |                   |                   |              |

## FLEX safety vacuum cleaner. For your good health!

The filter system of the FLEX safety vacuum cleaners intercept all dust and even health-harmful substances. This provides even more safety during dry and wet operation. And before the filter becomes clogged, it is automatically cleaned without interrupting the work process.

The suction power remains constant, and there is no down time for filter cleaning!

### The 13 best advantages of the FLEX safety vacuum cleaners.

#### 1. Integrated flat-fold filter\*

Is extremely flat and, different from cartridge filters, does not protrude into the container. Thus the container can be used 100% and the filter remains absolutely dry even during wet vacuuming.

#### 2. Filter cleaning

Automatic, time-controlled filter cleaning of the main filter. Enables constantly high suction power and significantly longer working times in comparison with manual cleaning.\*/\*\*

#### 3. Housing

The impact-resistant, recyclable plastic housing is tough, light, easy to clean, and corrosion-free.

#### 4. Bayonet connector\*

The suction hose connection rotates and is fastened by bayonet: no twisting, no accidental loosening of the suction hose during operation.

\* except VC 21 L MC/VCE 26 L MC, \*\* except VC 35 L MC

#### 5. Storage tray and holders

Keep hoses and accessories tidy.

#### 6. Drive motor with bypass ventilator

Vacuum air and motor cooling air blow separately in two channels. Dirty vacuum air is not fed through the motor. This protects the motor and increases the vacuum performance.

#### 7. Coupler socket with automatic activation

To connect power tools. Starts and stops the safety vacuum as the machine is switched on and off. With 15-second automatic after-running.\*

#### 8. Reinforced paper bags

Extra rip-proof and safe even with sharp-edged and abrasive objects.

#### 9. Smooth-running carriage

Two large wheels and two double-castering rollers with locking brakes.

#### 10. Sound insulation hood\*

The suction turbine is encapsulated; operating noise is greatly reduced.

#### 11. Dust class L

– Dust with OEL values > 1 mg/m<sup>3</sup>

#### 12. Dust category M

– Dust with OEL values > 0.1 mg/m<sup>3</sup>  
– Mineral dusts <sup>1)</sup>  
– Wood dust (also beech and oak)

#### 13. Dust class H

– Dust with OEL values < 0.1 mg/m<sup>3</sup>  
– carcinogenic dust  
– dust containing pathogens

<sup>1)</sup> Mineral dusts arise when construction material is worked on (grinding, cutting, drilling...). That is why M dust class equipment is prescribed for working on concrete, stone, masonry, screed and plaster, for instance. The sand component contained specially as quartz sand in these materials is responsible for this classification.





## Safety vacuum cleaner at a glance.

|                                             | Compact class                                                                     |                                                                                   | Construction/workshop class                                                       |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                             |  |  |  |  |  |  |  |
|                                             | VC 21 L MC                                                                        | VCE 26 L MC                                                                       | VC 35 L MC                                                                        | VCE 35 L AC                                                                        | VCE 45 L AC                                                                         | VCE 45 M AC                                                                         | VCE 45 H AC                                                                         |
| Dust class                                  | L                                                                                 | L                                                                                 | L                                                                                 | L                                                                                  | L                                                                                   | M                                                                                   | H                                                                                   |
| Power input in watts                        | 1200                                                                              | 1200                                                                              | 1380                                                                              | 1380                                                                               | 1380                                                                                | 1380                                                                                | 1150                                                                                |
| Max. volume flow l/min                      | 3600                                                                              | 3600                                                                              | 3660                                                                              | 4440                                                                               | 4440                                                                                | 4440                                                                                | 2300                                                                                |
| Max. vacuum Pascal                          | 21000                                                                             | 21000                                                                             | 23000                                                                             | 25400                                                                              | 25400                                                                               | 25400                                                                               | 22000                                                                               |
| Container capacity in litres                | 20                                                                                | 25                                                                                | 34                                                                                | 34                                                                                 | 43                                                                                  | 43                                                                                  | 43                                                                                  |
| Liquid capacity in litres                   | 11                                                                                | 16                                                                                | 19                                                                                | 19                                                                                 | 30                                                                                  | 30                                                                                  | 30                                                                                  |
| Weight kg                                   | 7.4                                                                               | 8.4                                                                               | 10.5                                                                              | 12.5                                                                               | 13.5                                                                                | 13.5                                                                                | 14.0                                                                                |
| Complete antistatic equipment               | –                                                                                 | –                                                                                 | –                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   | •                                                                                   |
| Filter cleaning                             | manually                                                                          | manually                                                                          | manually                                                                          | automatically                                                                      | automatically                                                                       | automatically                                                                       | automatically                                                                       |
| Suction control                             | –                                                                                 | •                                                                                 | –                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   | •                                                                                   |
| Automatic switch-on/off with 15 sec. run-on | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   | •                                                                                   |
| Connection for power tools                  | 100-2000                                                                          | 100-2600                                                                          | 100-2200                                                                          | 100-2200                                                                           | 100-2200                                                                            | 100-2200                                                                            | 100-2200                                                                            |
| Suction hose 32 mm Ø                        | 4 m                                                                               | 4m                                                                                | 4m                                                                                | 4m, antistatic                                                                     | 4m, antistatic                                                                      | 4m, antistatic                                                                      | 4m, antistatic                                                                      |

- included
- not included

# VC 21 L MC. The “small one” from FLEX has powerful suction.

The FLEX safety vacuum cleaner VC 21 L MC is a handy and compact vacuum cleaner, simple to use and easy to transport. It is ideal for cleaning offices, storage rooms, workshops and vehicles. For this work the VC 21 L MC features an extensive range of suction tubes and nozzles. The VC 21 L MC is authorized for dust class L and is therefore ideal for all dust with OEL values  $> 1 \text{ mg/m}^3$ . For extraction work on smaller electric power tools, such as palm, delta and random orbit sanders, jigsaws, etc., the device is equipped with important features, such as coupler socket, automatic switch-on, manual filter cleaning, PET filter material, fleece filter bag and waste bag. The VC 21 L MC is also suitable for extracting liquids. The level monitor with installed float valve, stops the suction process when maximum level is reached.



#### High-performance turbine

High suction output and high vacuum from a high-efficiency, fast-running blower turbine ensure outstanding extraction results at a power take of up to max. 1250 W.



#### Mechanical fill level monitoring

When reaching the max. fill level for liquids, the suction flow is interrupted by the integrated float.



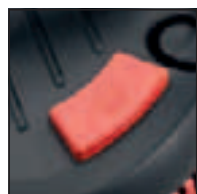
#### Coupler socket with automatic on/off switch

Simple and comfortable extraction at electric tools. Safety vacuum cleaners and electric tools work in alignment with simple electronic automatic on/off switches, independently of the rotating speed of the electric tool.



#### The “transporter”

The “Small one” has everything at hand. Light and compact – this facilitates transportation. The handle of the VC 21 L MC contains a groove to hold the suction tube for comfortable transport.



#### Push & clean

Pushing the MC-button activates the mechanical filter cleaning. The filter element is cleared of deposited dust and dirt with targeted air spurts.



#### Order must prevail

Cable and hose holder for compact storage to optimise transportation.



#### Filter bag and disposal bag

Comfortable disposal of the extracted material, either with fleece filter bag or disposal bag.



#### Tidy

Suction nozzles can be put away comfortably in the provided holders.



#### Large wheels and casters

Two large, robust wheels with  $\varnothing 130 \text{ mm}$  and two swivelling  $\varnothing 50 \text{ mm}$  casters ensure good mobility in workshops and on assembly deployments.



#### Open and closed

Easy opening of the collection container for comfortable disposal of the extracted material.



#### PET cartridge filter, dust category L/M

The robust, washable cartridge filter of PET synthetic fibres ( $3,000 \text{ cm}^2$ ) permits best use of the container volume for taking up dust, dirt and liquid.



#### Exhaust/blow-out function

Connection of a separate suction hose permits blowing out e.g. disturbing foliage outdoors in front of the garage gate, entrance areas, etc.

**It's small – but performs greatly.**



#### One team

The electric tool and the safety vacuum cleaner are aligned perfectly using a simple electronic automatic on/off switch. The diligent craftsman leaves no dirt for the customer to clean up.



#### Not only for workshop and construction site

The small, practical safety vacuum cleaner with its comprehensive cleaning equipment is also suitable for cleaning offices, social rooms, storage halls and vehicles.



#### Sucks away everything

The VC 21 L MC is also very well suitable for taking up inflammable and non-toxic liquids. The suction flow is interrupted by the integrated float when it reaches its max. fill level.



#### For stronger contamination

The 1.250 watt high-performance turbine of the small VC 21 L MC does outstanding work even with stronger contamination, e.g. in workshops.



#### Everything at hand, always

The basic equipment of the VC 21 L MC includes all important nozzles and brushes (joint nozzle, floor nozzle, upholstery nozzle, round brush). Narrow areas in vehicles can be cleaned easily this way as well.



#### Swallowing dust is a thing of the past

The effective dust extraction keeps the view of the workpiece clear. The tools' (sandpaper, cutting disc, sanding disc, etc.) service lives are increased as well.

# VCE 26 L MC. The big one among the compact tools.

The VCE 26 L MC differs from the VC 21 L MC by its larger container volume, control electronics with soft start-up and a flat deposit area, e.g. for tools, accessory box.



#### High-performance turbine

High suction output and high vacuum from a high-efficiency, fast-running blower turbine ensure outstanding extraction results at a power take of up to max. 1250 W.



#### Mechanical fill level monitoring

When reaching the max. fill level for liquids, the suction flow is interrupted by the integrated float.



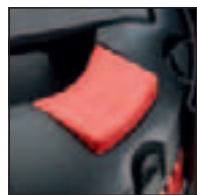
#### Coupler socket with automatic on/off switch

Simple and comfortable extraction at electric tools. Safety vacuum cleaners and electric tools are aligned by simple electronic automatic on/off switches, independently of the rotating speed of the electric tool. With a lag time of 5 seconds.



#### Portable

Light-weight and compact – for easier transport.



#### Push & clean

Pushing the MC-button activates the mechanical filter cleaning. The filter element is cleared of deposited dust and dirt with targeted air spurts.



#### Flat depositing area

The flat depositing area and the recessed handle make it possible to put down a tool box or electric tools, etc.



#### Filter bag and disposal bag

Comfortable disposal of the extracted material, either with fleece filter bag or disposal bag.



#### Tidy

Suction nozzles can be put away comfortably in the provided holders.



#### Large wheels and casters

Two large, robust wheels with Ø 130 mm and two swivelling Ø 50 mm casters ensure good mobility in workshops and on assembly deployments.



#### Open and closed

Easy opening of the collection container for comfortable disposal of the extracted material.



#### PET cartridge filter, dust category L/M

The robust, washable cartridge filter of PET synthetic fibres (3.000 cm²) permits best use of the container volume for taking up dust, dirt and liquid.



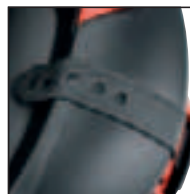
#### Exhaust/blow-out function

Connection of a separate suction hose permits blowing out e.g. disturbing foliage outdoors in front of the garage gate, entrance areas, etc.



#### Where to put the small parts?

Brushes and nozzles can be kept comfortably in a practical accessory box.



#### Nothing is lost

A rubber band serves as an additional fastening of the suction hose and/or mains cable, etc.



## Universal safety vacuum cleaners for the construction site, workshop and office.



### Extraction at electrical tools

Thanks to the comfortably and easy to operate on/off dial switch with gradual suction force regulation, the suction force can be adjusted to the tool.



### Dry/wet vacuum cleaner

The high-performance dry-and-wet vacuum cleaner VCE 26 L MC quickly ensures perfect cleanliness in the house. Construction site dust, metal chips or liquids – everything is removed easily.



### Everything is clean

The soft start-up prevents voltage peaks when starting the extractor and the deactivation delay (5 seconds' lag) removes dust residue in the suction hose.



### Practical and compact

The FLEX VCE 26 L MC safety vacuum cleaner is practical and compact easy to handle and easy to transport. Optimised for cleaning work in offices, storage rooms, workshops and vehicles.



### Extensive accessories

The VCE 26 L MC is delivered with comprehensive basic equipment. In addition to a combined floor nozzle, a round nozzle, joint nozzle and upholstery nozzle are enclosed.



### Inhale – exhale

Thanks to its special exhaust function, the VCE 26 L MC can also be used for simple removal of foliage, e.g. on yard and garage driveways in the outdoor area, etc.



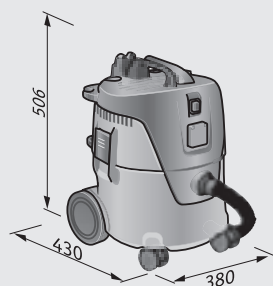
## Safety vacuum cleaners

VC 21 L MC



### SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Power input P. max. | 1250 watt            |
| Max. volume flow    | 3600 l/min           |
| Max. vacuum         | 21000 Pa             |
| Filter surface      | 3000 cm <sup>2</sup> |
| Container volume    | 20 l                 |
| Capacity liquid     | 11 l                 |
| Power take off      | 100-2000 watt        |
| Size (W x L x H)    | 430 x 380 x 506 mm   |
| Cable length        | 5,0 m                |
| Weight              | 7,4 kg               |



### Safety vacuum cleaner with manual filter cleaning system, 20 l, class L

- Handy and compact vacuum cleaner, easy to use and easy to transport
- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- By actuating manual filter cleaning, dust deposited in the filter element is removed by a targeted blast of air.
- Level monitor, no malfunctions when drawing in liquids thanks to installed float valve
- With appliance socket and electronic automatic switch on/off
- Equipped with large wheels and two swivel guide rollers
- Suitable for increased stress commercially (according EN 60335-2-69). Ideal for cleaning work in offices, storage rooms, workshops and vehicles. Smaller electric power tools, e.g. palm sander, delta sander, random-orbit sander, jigsaws, are primarily used for extraction work. Tools which produce fairly low amounts of dust
- With blowing function for the easy removal of leaves in outside areas such as drive ways
- Features a filter bag made of highly tear-proof fleece for optimum filling. The extracted dust can be disposed of without difficulty
- Safety vacuum cleaner, approved for dust class L, suitable for all dust with OEL value >1 mg/m<sup>3</sup>

### Standard equipment

### Order no.

|                                         |                |
|-----------------------------------------|----------------|
| <b>VC 21 L MC</b>                       | <b>405.418</b> |
| Suction hose 32 mm Ø x 3,5 m with elbow | 385.484        |
| 1 filter element class L/M              | 385.085        |
| 2x 0,5 m aluminium suction tube         | 385.522        |
| 1 combination floor nozzle, switchable  | 385.565        |
| 1 round brush                           | 385.646        |
| 1 crevice nozzle                        | 385.530        |
| 1 upholstery nozzle                     | 385.549        |
| 1 filter bag                            | 385.093        |
| 1 PP waste disposal bag                 | 385.107        |
| 1 suction pipe holder                   | 410.993        |
| 1 cable hook                            | 410.705        |
| 1 adapter Ø 27-32 mm                    | 385.506        |

Accessories from page 240



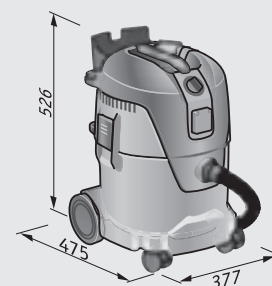
### Safety vacuum cleaner with manual filter cleaning system, 25 L, class L

- Handy and compact vacuum cleaner, easy to use and easy to transport
- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- By actuating manual filter cleaning, dust deposited in the filter element is removed by a targeted blast of air.
- Level monitor, no malfunctions when drawing in liquids thanks to installed float valve
- With appliance socket and electronic automatic switch on/off
- Soft start stops any voltage peaks at the start and the run-on feature (5 sec. overrun) empties any remaining dust in the vacuum hose
- Suction control, suction adapted to the tool by stepless control
- With accessories magazine for suction nozzles and suction tubes on the back
- Equipped with large wheels and two swivel guide rollers
- Suitable for increased stress commercially (according EN 60335-2-69). Ideal for cleaning work in offices, storage rooms, workshops and vehicles. Smaller electric power tools, e.g. palm sander, delta sander, random-orbit sander, jigsaws, are primarily used for extraction work. Tools which produce fairly low amounts of dust
- With blowing function for the easy removal of leaves in outside areas such as drive ways
- Features a filter bag made of highly tear-proof fleece for optimum filling. The extracted dust can be disposed of without difficulty
- Safety vacuum cleaner, approved for dust class L, suitable for all dust with OEL value  $>1 \text{ mg/m}^3$



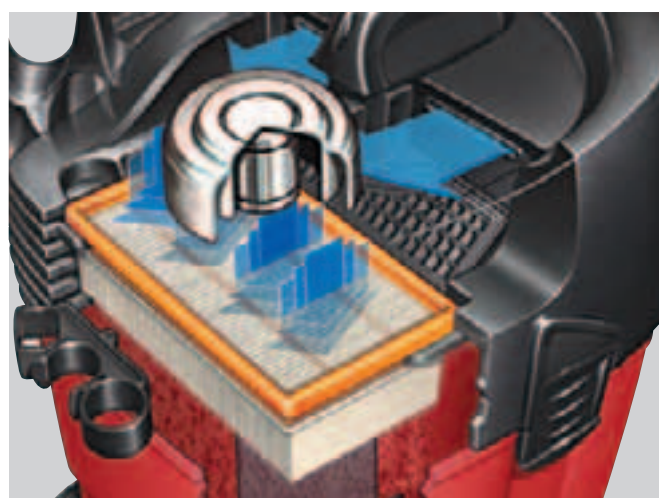
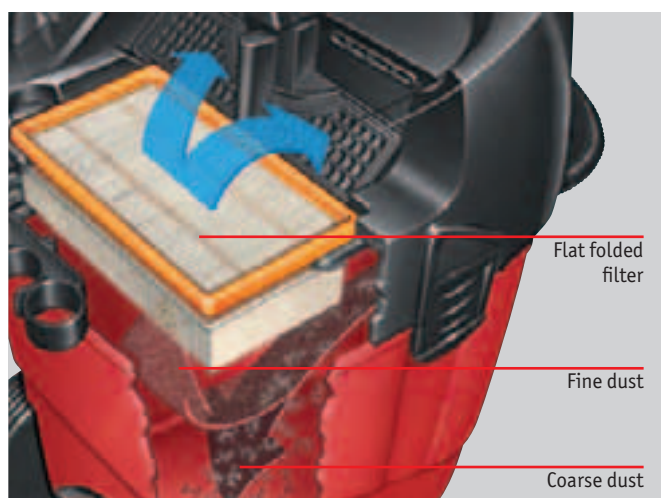
### SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Power input P. max. | 1250 watt            |
| Max. volume flow    | 3600 l/min           |
| Max. vacuum         | 21000 Pa             |
| Filter surface      | 3000 cm <sup>2</sup> |
| Container volume    | 25 l                 |
| Capacity liquid     | 16 l                 |
| Power take off      | 100-2600 watt        |
| Size ( W x L x H )  | 475 x 377 x 526 mm   |
| Cable length        | 7,5 m                |
| Weight              | 8,4 kg               |



| Standard equipment                      | Order no.      |
|-----------------------------------------|----------------|
| <b>VCE 26 L MC</b>                      | <b>405.426</b> |
| Suction hose 32 mm Ø x 3.5 m with elbow | 385.484        |
| 1 filter element class L/M              | 385.085        |
| 2x 0.5 m aluminium suction tube         | 385.522        |
| 1 combination floor nozzle, switchable  | 385.565        |
| 1 round brush                           | 385.646        |
| 1 crevice nozzle                        | 385.530        |
| 1 upholstery nozzle                     | 385.549        |
| 1 filter bag                            | 385.093        |
| 1 PP waste disposal bag                 | 385.107        |
| 1 suction pipe holder                   | 410.993        |
| 1 cable hook                            | 410.705        |
| 1 flexible hose strap for hose holder   | 411.108        |
| 1 box for accessories with holder       | 411.124        |
| 1 adapter Ø 27-32 mm                    | 385.506        |

## Clever flat-fold filter system. With automatic cleaning function.



The innovative flat-fold filter system with the flat-fold filter at the top allows full use of the container volume. The flat-fold filter is automatically cleaned by a percussive pressure reversal every 15 seconds. There is no loss of suction at the end of the hose throughout the cleaning process. Downtimes for filter cleaning/changing are therefore a thing of the past. The fold-out filter cover provides easy access to the main filter element from the clean-air side, it is not necessary to remove the suction head from the dirt container.

## Whether 35 or 45 litres. Whether manual or automatic. The FLEX safety vacuum cleaners are always convincing.

The high-performance turbines of the FLEX safety vacuum cleaners ensure an excellent suction performance. All safety vacuum cleaners feature an automatic filter cleaning system (except VC 35 L MC). Targeted blasts of air remove dust deposited in the flat pleated filter. This guarantees optimum suction power without interrupting work. Filter cleaning can be switched on and off. As dust is reliably removed from the filter pores, the flat pleated filter also has a long service life. Thanks to the design principle of the flat pleated filter, the container volume is optimally used. All devices have an anti-static feature (except VC 35 L MC).



### Connection for power tools

Safety vacuum cleaner and power tools (100-2200 watt) work automatically with electronic remote on/off switching.



### Ergonomic

The ergonomic handle makes it easy to move the vacuum cleaner around.



### Running smoothly

Thanks to the large wheels, all FLEX safety vacuum cleaners have excellent running properties on uneven surfaces.



### Practical

Practical storage of suction nozzles and vacuum tubes at the back.



### Simple operation

To dispose of the extracted material, a slight turn of the hand opens the container.



### The correct volume

Class M and H safety vacuum cleaners: suitable for all dusts with  $> 0.1 \text{ mg/m}^3$  OEL values. Airflow sensor technology. If the suction power (airflow) falls below the mandatory minimum an acoustic signal is sounded.



### Tidy

The suction hose can be easily wound up on the holders envisaged for this very purpose. This eases handling/transport.\*



### Just in case

All class M, H safety vacuum cleaners are provided with a special cap lock. This stops any dust escaping when the cleaner is being moved around.



### Controllable suction power

Continuous control for suction power to suite the attached tool.\*



### Who takes the rubbish out?

Convenient disposal of the extracted material either with a filter bag or disposal bag. Recommendation: working with filter bag turn off filter cleaning system. Working with disposal bag turn system on.\*



### Mobile

Two swivel casters see to ease of movement in the workshops and on the sites.



### Storage option

Secure stacking of tools on the vacuum cleaner top. For stacking Vario-Giraffe® and wall chaser, the special storage system is available as an accessory.\*

\*Specific to model

## Safety vacuum cleaner VCE 45 H AC. The professional against toxic dust.

Fusty odour, unsatisfactory ambient temperature, black stains on walls: Everyone knows these typical stains in corners of rooms and on interior furnishings. This is an unmistakable sign of mildew infestation. Frequently the danger is “hiding” behind furniture. If the furniture is moved aside, you’ll get a big surprise. Here only the qualified technician can help. And for this case he needs a FLEX safety vacuum cleaner of class H.

Mildew is actually a collective name for around 180,000 types of fungi which constantly surrounds us. It has since been scientifically proven that mildew causes a wide range of diseases, from allergies and asthma through chronic fatigue to rheumatism. Usually the human body can tolerate a natural exposure to mildew. However, this exposure increases dramatically in buildings which are infested with mildew. There is a considerable risk of illness.

### Comparison between the classifications of dust-removing machines.

| Suitable for dry, harmful, non-flammable dust                        | Until 1998<br>(transition period until 2003)<br>according to ZH 1/487 |              | Suitable for dry, harmful, non-flammable dust                                                            | Applicable dust classes according to DIN EN 60335-2-69<br>Appendix A4 |                                                                                      | Main applications |                                                                                                                          |
|----------------------------------------------------------------------|-----------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------|
|                                                                      | Before 01.01.2005                                                     | Use category |                                                                                                          | Max. transmittance                                                    | Since 01.01.2005                                                                     |                   | Dust class                                                                                                               |
| with TVA values<br>> 1 mg/m³                                         | At least U                                                            | ≤ 5 %        | with OEL value<br>> 1 mg/m³                                                                              | At least L                                                            |  | < 1 %             | Aluminium oxide, cement, street dust, corundum, fibre dust, lime                                                         |
| with TVA values<br>> 0.1 mg/m³                                       | At least S                                                            | ≤ 1 %        | with OEL value<br>≥ 0.1 mg/m³                                                                            | At least M                                                            |  | < 0.1 %           | Cement dust, wood dust (beech, oak, hard woods), ceramic and paint dust, chromium compounds, plastic dust, coarse copper |
| with TVA values                                                      | At least G                                                            | ≤ 0.5 %      |                                                                                                          |                                                                       |                                                                                      |                   |                                                                                                                          |
| with TVA values + carcinogenic substances (§ 35 GefStoffV)           | At least C                                                            | ≤ 0.1 %      | with OEL value<br>< 0.1 mg/m³                                                                            | H                                                                     |  | < 0.005 %         | Carcinogenic dust (lead, nickel, cobalt, tar, copper swarf, cadmium, etc.)                                               |
| with TVA values + carcinogenic substances (§ 35 and § 15a GefStoffV) | K1, K2                                                                | ≤ 0.05 %     | Hazardous carcinogenic substances according to GefStoffV § 11. TRGS 905 or TRGS 906 (German regulations) |                                                                       |                                                                                      | < 0.005 %         | – Mildew, bacteria, spores<br>– Germs<br>– Formaldehyde and its compounds                                                |

Note: The OEL value (Occupational Exposure Limit) replaced the TVA/MAK value (workplace exposure limit) in the past. TRGS 519 is obligatory for Germany.\*

Source: Staubklassen für Industriesauger, Entstauber, etc. (July 2011, www.dguv.de)



## H for maximum safety.



### Safe disposal of dust

Safe disposal of dust in the double-walled safety filter bag.



### Perfectly coordinated

Suction power adjusted to the connected tool and hose connection Ø by stepless control.



### Optimum extraction for greater safety

The plaster is milled off. The resulting dirt and dust are optimally extracted with the FLEX safety vacuum cleaner VCE 45 H AC.



### Securely packed

The accessories contaminated with toxic dust are packed and protected for transportation as specified.



### Safely sealed

When the device is transported, the intake opening is sealed with the non-detachable locking sleeve.



### The "problem solvers"

The FLEX safety vacuum cleaner VCE 45 H AC is particularly successful at solving problems when used with the FLEX renovation devices.

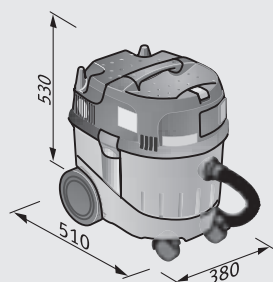
## Safety vacuum cleaners

VC 35 L MC



### SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Power input P. max. | 1380 watt            |
| Max. volume flow    | 3660 l/min           |
| Max. vacuum         | 23000 Pa             |
| Filter surface      | 6150 cm <sup>2</sup> |
| Container volume    | 34 l                 |
| Capacity liquid     | 19 l                 |
| Power take off      | 100-2200 watt        |
| Size (W x L x H)    | 510 x 380 x 530 mm   |
| Cable length        | 7,0 m                |
| Weight              | 10,5 kg              |



### Safety vacuum cleaner with manual filter cleaning system, 34 l, class L

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Patented filter vibration: vibration at the press of a button on the vacuum hose
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With appliance socket and electronic automatic switch on/off
- Soft start stops any voltage peaks at the start and the run-on feature (15 sec. overrun) empties any remaining dust in the vacuum hose
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Equipped with large wheels and two swivel guide rollers
- Suitable for increased stress when used commercially. Ideal for cleaning work in offices, storage rooms, workshops and vehicles. Smaller electric power tools, e.g. palm sander, delta sander, random-orbit sander, jigsaws, are primarily used for extraction work. Tools which produce fairly low amounts of dust
- Safety vacuum cleaner, approved for dust class L, suitable for all dust with OEL value >1 mg/m<sup>3</sup>

### Standard equipment

### Order no.

#### VC 35 L MC

369.799

|                                                                                                           |              |
|-----------------------------------------------------------------------------------------------------------|--------------|
| 4 m suction hose 32 mm Ø with 32/28 mm Ø adapter, 25-32 mm Ø universal adapter and suction hose extension | 297.011      |
| 1 filter bag                                                                                              | 296.961      |
| 1 flat-fold filter class M                                                                                | 337.692      |
| 1 elbow                                                                                                   | 297.038      |
| 2x 0,5 m metal vacuum tube                                                                                | 300.691 (2x) |
| 1 clip floor nozzle complete with replacement insert (brush, rubber strip)                                | 300.659      |
| 1 crevice nozzle                                                                                          | 259.697      |

Accessories from page 240



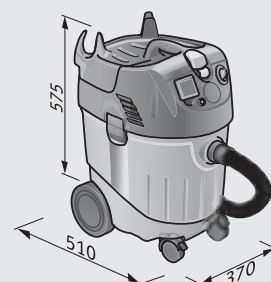
### Safety vacuum cleaner with automatic filter cleaning system, 34 L, class L

- The improved high-performance turbine ensures both a higher suction capacity and a high vacuum. The outcome is an excellent extraction result
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With appliance socket and electronic automatic switch on/off
- Soft start stops any voltage peaks at the start and the run-on feature (15 sec. overrun) empties any remaining dust in the vacuum hose
- Controllable suction power
- The all-in antistatic equipment prevents any static charging at the suction hose
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Equipped with large wheels and two swivel guide rollers
- Recommendation: When working with a filter bag turn off the automatic cleaning system. When using a disposable bag leave the system on
- Safety vacuum cleaner, approved for dust class L, suitable for all dust with OEL value  $>1 \text{ mg/m}^3$



#### SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Power input P. max. | 1380 watt            |
| Max. volume flow    | 4440 l/min           |
| Max. vacuum         | 25400 Pa             |
| Filter surface      | 6150 cm <sup>2</sup> |
| Container volume    | 34 l                 |
| Capacity liquid     | 19 l                 |
| Power take off      | 100-2200 watt        |
| Size ( W x L x H )  | 510 x 370 x 575 mm   |
| Cable length        | 7,5 m                |
| Weight              | 12,5 kg              |



| Standard equipment                                                                                                             | Order no.          |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>VCE 35 L AC</b>                                                                                                             | <b>414.905</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection including auxiliary air control and suction adapter SAD-C D25-32AS | 406.708            |
| 1 flat-fold filter class M                                                                                                     | 337.692            |
| 1 filter bag                                                                                                                   | 296.961            |
| 1 PP waste disposal bag                                                                                                        | 1 piece of 340.766 |
| <b>VCE 35 L AC, kit cleaning set</b>                                                                                           | <b>414.972</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection including auxiliary air control and suction adapter SAD-C D25-32AS | 406.708            |
| 1 flat-fold filter class M                                                                                                     | 337.692            |
| 1 filter bag                                                                                                                   | 296.961            |
| 1 PP waste disposal bag                                                                                                        | 1 piece of 340.766 |
| 1 cleaning set                                                                                                                 | 369.845            |

## Safety vacuum cleaners

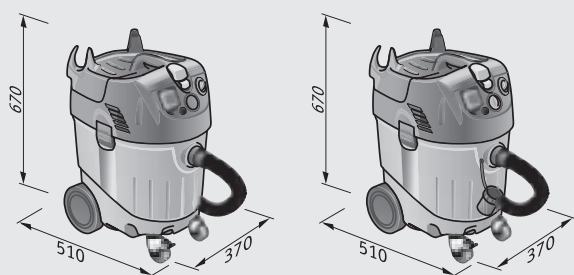
VCE 45 L AC

VCE 45 M AC



### SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Power input P. max. | 1380 watt            |
| Max. volume flow    | 4440 l/min           |
| Max. vacuum         | 25400 Pa             |
| Filter surface      | 6150 cm <sup>2</sup> |
| Container volume    | 43 l                 |
| Capacity liquid     | 30 l                 |
| Power take off      | 100-2200 watt        |
| Size (W x L x H)    | 510 x 370 x 670 mm   |
| Cable length        | 7,5 m                |
| Weight              | 13,5 kg              |



### Safety vacuum cleaner with automatic filter cleaning system, 43 l, class L and M

- The improved high-performance turbine ensures both a higher suction capacity and a high vacuum. The outcome is an excellent extraction result
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With appliance socket and electronic automatic switch on/off
- Soft start stops any voltage peaks at the start and the run-on feature (15 sec. overrun) empties any remaining dust in the vacuum hose
- Controllable suction power
- The all-in antistatic equipment prevents any static charging at the suction hose
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Equipped with large wheels and two swivel guide rollers
- Recommendation: When working with a filter bag turn off the automatic cleaning system. When using a disposable bag leave the system on

#### For VCE 45 L AC

- Safety vacuum cleaner, approved for dust class L, suitable for all dust with OEL value  $>1 \text{ mg/m}^3$

#### For VCE 45 M AC

- Flow sensor technology monitors the volumetric flow and any dropping of the suction capacity under the prescribed minimum figure is reported by an acoustic signal
- Class M safety vacuum cleaner, suitable for all dusts with OEL values  $\geq 0.1 \text{ mg/m}^3$ . Specifically for mineral and timber dusts (also beech and oak)

| Standard equipment                                                                                                             | Order no.          |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>VCE 45 L AC</b>                                                                                                             | <b>414.948</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection including auxiliary air control and suction adapter SAD-C D25-32AS | 406.708            |
| 1 flat-fold filter class M                                                                                                     | 337.692            |
| 1 filter bag                                                                                                                   | 340.758            |
| 1 PP waste disposal bag                                                                                                        | 1 piece of 340.766 |
| <b>VCE 45 L AC, kit cleaning set</b>                                                                                           | <b>414.980</b>     |
| same as VCE 45 L AC                                                                                                            |                    |
| 1 cleaning set                                                                                                                 | 369.845            |
| <b>VCE 45 M AC</b>                                                                                                             | <b>414.956</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection SH-C 32x4m AS and suction adapter SAD-C D25-32AS                   | 412.309            |
| 1 flat-fold filter PES class M                                                                                                 | 369.829            |
| 1 filter bag                                                                                                                   | 340.758            |
| 1 PP waste disposal bag                                                                                                        | 1 piece of 340.766 |
| <b>VCE 45 M AC, kit cleaning set</b>                                                                                           | <b>414.999</b>     |
| same as VCE 45 M AC                                                                                                            |                    |
| 1 cleaning set                                                                                                                 | 369.845            |



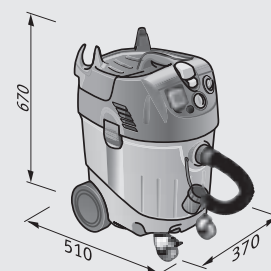
## Safety vacuum cleaner with automatic filter cleaning system, 43 l, class H

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Continuous automatic flat filter cleaning ensures no loss of suction
- The flat-fold filter design is such that the container capacity can be optimally used for dust and dirt
- Suitable for wet vacuuming: with electronic liquid level control
- With appliance socket and electronic automatic switch on/off
- Controllable suction power
- Soft start stops any voltage peaks at the start and the run-on feature (15 sec. overrun) empties any remaining dust in the vacuum hose
- The all-in antistatic equipment prevents any static charging at the suction hose
- Flow sensor technology monitors the volumetric flow and any dropping of the suction capacity under the prescribed minimum figure is reported by an acoustic signal
- Equipped with large wheels and two swivel guide rollers
- Scope for tool storage on top of vacuum cleaner and accessories depot for suction nozzles and tubes at the back
- Safety filter bag for the safe disposal of the dust collected. Double-walled filter bag with additional PE cover, sealable
- Safety vacuum cleaner class H: suitable for all dusts with OEL values  $< 0.1 \text{ mg/m}^3$
- Suitable for dry, non-flammable dusts that are harmful to the health and carcinogenic substances
- Ideal to remove mould, restore roofs and walls insulated with mineral wool. Sanding dust from wooden surfaces that have been impregnated with hazardous wood preservatives and from painted surfaces with paint that contains substances such as lead, nickel, cadmium, chromium, zinc chromate, etc.



## SPECIFICATIONS

|                     |                      |
|---------------------|----------------------|
| Rated power P       | 1000 watt            |
| Power input P. max. | 1150 watt            |
| Max. volume flow    | 2300 l/min           |
| Max. vacuum         | 22000 Pa             |
| Filter surface      | 6000 cm <sup>2</sup> |
| Container volume    | 43 l                 |
| Capacity liquid     | 30 l                 |
| Power take off      | 100-2200 watt        |
| Size ( W x L x H )  | 510 x 370 x 670 mm   |
| Cable length        | 7,0 m                |
| Weight              | 14 kg                |



| Standard equipment                                                                                           | Order no.          |
|--------------------------------------------------------------------------------------------------------------|--------------------|
| <b>VCE 45 H AC</b>                                                                                           | <b>379.093</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection SH-C 32x4m AS and suction adapter SAD-C D25-32AS | 412.309            |
| 1 safety filter bag                                                                                          | 1 piece of 379.115 |
| 1 flat folded filter class H/HEPA 14                                                                         | 379.107            |
| 1 transport bag TS VCE 45 H                                                                                  | 379.123            |
| hazardous substance sticker                                                                                  | 427.624            |
| <b>VCE 45 H AC, kit cleaning set</b>                                                                         | <b>383.880</b>     |
| Anti-static suction hose Ø 32 mm x 4 m with clip connection SH-C 32x4m AS and suction adapter SAD-C D25-32AS | 412.309            |
| 1 safety filter bag                                                                                          | 1 piece of 379.115 |
| 1 flat folded filter class H/HEPA 14                                                                         | 379.107            |
| 1 transport bag TS VCE 45 H                                                                                  | 379.123            |
| 1 cleaning set                                                                                               | 369.845            |
| hazardous substance sticker                                                                                  | 427.624            |

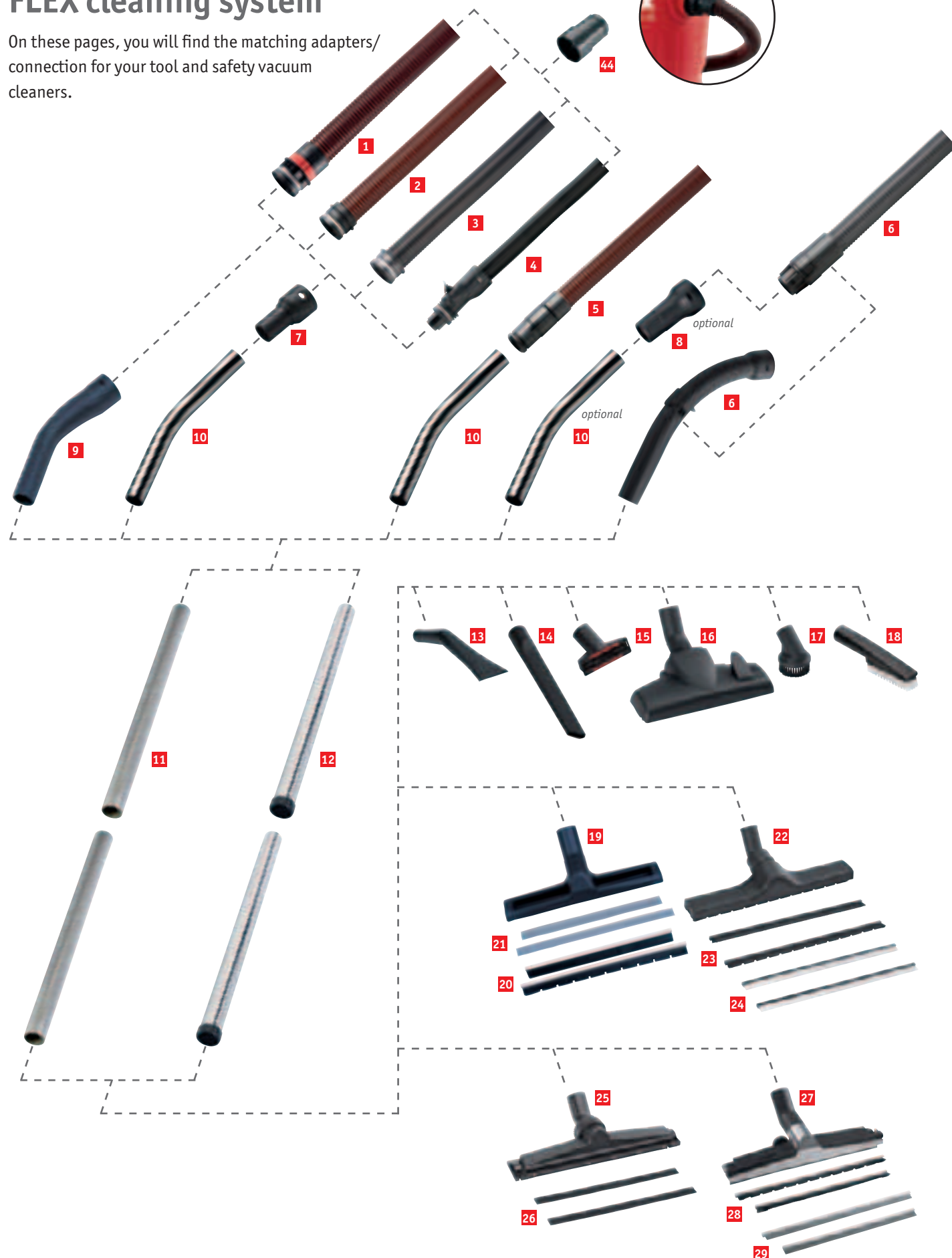


# Safety vacuum cleaners

## Cleaning system

### FLEX cleaning system

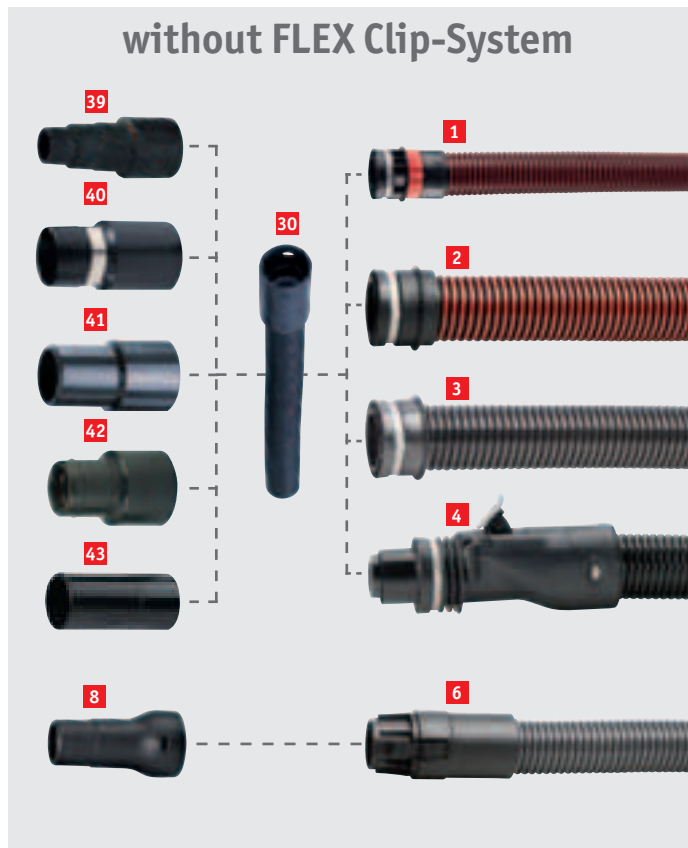
On these pages, you will find the matching adapters/ connection for your tool and safety vacuum cleaners.



## with FLEX Clip-System



## without FLEX Clip-System

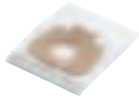
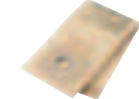
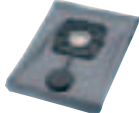


|                                                                                        |                    |
|----------------------------------------------------------------------------------------|--------------------|
| <b>1</b> Anti-static suction hose with auxiliary air control<br>SH-C 32x4m AS/NL ..... | 406.708            |
| <b>2</b> Antistatic suction hose SH-C 32x4m AS .....                                   | 412.309            |
| <b>3</b> Suction hose SH 32x4m .....                                                   | 338.508            |
| <b>4</b> Suction hose SH-C 32x4m.....<br>& module SH-M 32x4m .....                     | 299.782<br>298.255 |
| <b>5</b> Antistatic suction hose SH 27x4m AS.....                                      | 379.395            |
| <b>6</b> Suction hose with elbow SH 32x3,5m .....                                      | 385.484            |
| <b>7</b> Extraction adapter SAD-C D32 AS.....                                          | 369.861            |
| <b>8</b> Extraction adapter SAD D27-32 .....                                           | 385.506            |
| <b>9</b> Elbow K-C 32 KU AS.....                                                       | 398.446            |
| <b>10</b> Elbow K 32 ME.....                                                           | 369.853            |
| <b>11</b> Extension tubes made of aluminium V 36x500 AL VE2 .....                      | 385.522            |
| <b>12</b> Extension tubes made of steel, chrome-plated<br>V 36x500 ME VE2 .....        | 385.514            |
| <b>13</b> Surface nozzle FD D36 90x120mm.....                                          | 413.437            |
| <b>14</b> Crevice nozzle CN 36x300.....                                                | 385.530            |
| <b>15</b> Upholstery nozzle PN 36x115.....                                             | 385.549            |
| <b>16</b> Combination floor nozzle KN 36x250 .....                                     | 385.565            |
| <b>17</b> Round brush RN 36x120.....                                                   | 385.646            |
| <b>18</b> Brush nozzle BN 36x220 .....                                                 | 385.557            |
| <b>19</b> Floor nozzle CNW 36x300 .....                                                | 300.659            |
| <b>20</b> Brush strip BL-CNW 36x300 VE2.....                                           | 300.675            |
| <b>21</b> Rubber strip GL-CNW 36x400 VE2 .....                                         | 300.683            |
| <b>22</b> Clip floor nozzle with rollers CNW 36x400.....                               | 385.537            |
| <b>23</b> Brush strip BL-CNW 36x400 VE2.....                                           | 385.581            |
| <b>24</b> Rubber strip GL-CNW 36x400 VE2 .....                                         | 385.603            |
| <b>25</b> Height-adjustable floor nozzle FN-K 36x450 .....                             | 385.611            |
| <b>26</b> Rubber strip GL-FN-K 36x450 VE2 .....                                        | 385.638            |
| <b>27</b> Height-adjustable floor nozzle FN-AL 36x370.....                             | 369.896            |
| <b>28</b> Brush strip BL-FN-AL 36x370 VE2.....                                         | 374.075            |
| <b>29</b> Rubber strip GL-FN-AL 36x370 VE2 .....                                       | 374.083            |
| <b>30</b> Suction hose extension SHV-C 32x0,5m .....                                   | 296.953            |
| <b>31</b> Extraction adapter SAM-C 32 AS .....                                         | 413.046            |
| <b>32</b> Extraction adapter SAM-C 32 AS/NL.....                                       | 406.716            |
| <b>33</b> Extraction adapter SAD-C D36/27 AS/NL .....                                  | 408.360            |
| <b>34</b> Extraction adapter SAD-C WS/WSE** .....                                      | 364.460            |
| <b>35</b> Universal adapter SAD-C D25-32 AS.....                                       | 320.188            |
| <b>36</b> Extraction adapter SAD-C D 32 AS .....                                       | 393.398            |
| <b>37</b> Extraction adapter SAD-FC 32.....                                            | 410.497            |
| <b>38</b> Clip-on quick clamping ring red SH-FC 32 .....                               | 406.023            |
| <b>39</b> Universal adapter SAD D25-32 AS* .....                                       | 259.827            |
| <b>40</b> Extraction adapter SAD D32 WS/WSK* .....                                     | 340.790            |
| <b>41</b> Extraction adapter SAD D32-32 R* .....                                       | 328.308            |
| <b>42</b> Extraction adapter SAD D32-28* .....                                         | 251.847            |
| <b>43</b> Extraction adapter SAD D32-36* .....                                         | 257.169            |
| <b>44</b> Rotating vacuum adapter SAD-32 VC/VCE AS .....                               | 340.804            |

\* with internal thread 32 mm

## Safety vacuum cleaners

### Accessories

| Type                                                                                                                                                                                                                                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               | Designation           | Dimensions<br>in mm | QP | Order no. | VC 21 L MC | VC 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|
| <b>Fleece filter bags</b><br><br><br><br><br><br> | Highly tear-proof fleece for optimum filling of the filter bags and trouble-free disposal of the extracted dust. Dust class L, for VC 21 L MC, VC 25 L MC and VCE 26 L MC.                                                                                                                                                                                                                                                                                | FS-F VC/E 21-26 L VE5 |                     | 5  | 385.093   | ■          | ■          | -          | -           | -           | -           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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|                                                                                                                                                                                                                                                                                                       | Filter bag with FLEX VacuFleece technology for the VCE 35 L AC, VC 35 L MC. Double volume capacity and significantly better suction capacity compared to paper filter bags. Highly tear-resistant due to 4-layered VacuFleece material: offers protection against damage from sharp objects. Resistant to unintentional wet vacuuming or damp material.                                                                                                   | FS-F VC/E 35 VE5      |                     | 5  | 329.630   | -          | -          | ■          | ■           | -           | -           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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|                                                                                                                                                                                                                                                                                                       | Fleece filter bag with FLEX VacuFleece technology for dust extrators VCE 45 L AC, VCE 45 M AC and S 47. Double volume capacity and considerably improved and longer extraction performance compared to the paper filter bag for VCE 45. Highly tear-resistant and resilient due to 4-layer vacuum fleece material - ideal for heavy, abrasive, spiky or sharp-edged substances. Also resistant in case of unintentional suction of water or wet material. | FS-F VCE 45 VE5       |                     | 5  | 402.982   | -          | -          | -          | ■           | ■           | -           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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| <b>Paper-Filter bags</b><br><br><br><br>                                                                                        | Filter bag for VC 35 L MC, VCE 35 L AC.                                                                                                                                                                                                                                                                                                                                                                                                                   | FS-P VC/E 35 VE5      |                     | 5  | 296.961   | -          | -          | ■          | ■           | -           | -           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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|                                                                                                                                                                                                                                                                                                       | Filter bag for S 47, VCE 45 L AC, VCE 45 M AC.                                                                                                                                                                                                                                                                                                                                                                                                            | FS-P VCE 45 VE5       |                     | 5  | 340.758   | -          | -          | -          | -           | ■           | ■           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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| <b>Cotton filter bag</b><br><br>                                                                                                                                                                                   | Sealable reusable filter bag for VC 35 L MC, VCE 35/45 L AC. Extremely tear-resistant made of 60 °C washable organic cotton, offers protection against damage, ideal for heavy, abrasive or sharp-edged extracted material. Impervious to humidity for the short term. Filter bag with large discharge opening which can be easily opened and closed with the filter slider.                                                                              | FS-M VC/E 35/45       | 750 x 380           | 1  | 404.330   | -          | -          | ■          | ■           | ■           | ■           | -           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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| <b>Safety filter bag</b><br><br>                                                                                                                                                                                   | Double-walled filter bag with additional protective PE cover and seal for free-dust disposal for VCE 45 H AC.                                                                                                                                                                                                                                                                                                                                             | SFS VCE 45 H VE5      |                     | 5  | 379.115   | -          | -          | -          | -           | -           | -           | ■           |
|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                     |    |           |            |            |            |             |             |             |             |
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■ suitable  
- not suitable

## Safety vacuum cleaners

## Safety vacuum cleaners

### Accessories

| Type                                                                                                                                                                                                                                                                                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Designation      | Dimensions<br>in mm | QP | Order no. | VC 21 L MC | VCE 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|----|-----------|------------|-------------|------------|-------------|-------------|-------------|-------------|
| Anti-static suction<br>hose with auxiliary air<br>control<br>                                                                                                                                                                                                                           | Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (320.188), antistatic. Inclusive variable adjustment of suction power for reduction of vacuum.                                                                                                                                                                                                                                                                                                            | SH-C 32x4m AS/NL |                     | 1  | 406.708   | ■          | ■           | ■          | ■           | ■           | -           | -           |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
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| Antistatic suction hose<br>                                                                                                                                                                                                                                                             | Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (320.188), antistatic.<br><br>Internal Ø 27 mm, 4 m with universal device connection and coupling bush Ø 27 mm with rotary coupling for power tool, antistatic.                                                                                                                                                                                                                                           | SH-C 32x4m AS    |                     | 1  | 412.309   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
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| Suction hose<br><br><br><br> | Internal Ø 32 mm, 3,5 m with universal device connection and elbow. Suitable for VC 21 / 25 L MC and VCE 26 L MC.<br><br>Internal Ø 32 mm, 4 m with universal device connection. With special adapter SAD D32 WS/WSK.<br><br>Internal Ø 32 mm, 4 m with bayonet device connection and snap connection. Suitable for VC/E 35 L AC, VCE 45 L AC.<br><br>Internal Ø 32 mm, 4 m with bayonet device connection and snap connection. Temperature resistant to 70 °C. Suitable for VC/E 35 L AC, VCE 45 L AC. | SH 32x3,5m       |                     | 1  | 385.484   | ■          | ■           | -          | -           | -           | -           | -           |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
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| Suction hose extension<br>                                                                                                                                                                                                                                                            | Suction hose extension with click connection to connect with inside thread adapter i.e. SAD D32-..., SAD D25-32 AS etc.                                                                                                                                                                                                                                                                                                                                                                                 | SHV-C 32x0,5m    |                     | 1  | 296.953   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
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| Suction hose snap<br>coupling repair kit<br>                                                                                                                                                                                                                                          | Coupling bush for suction hose with snap coupling, 3-part. Also suited for antistatic suction hose (electrically conductive). Inclusive with auxiliary air.                                                                                                                                                                                                                                                                                                                                             | SAM-C R32 AS/NL  |                     | 1  | 408.697   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                     |    |           |            |             |            |             |             |             |             |
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■ suitable  
- not suitable



| Type                                                                                                                                                                                  | Description                                                                                                                                                                                                                                      | Designation        | QP | Order no. | VC 21 L MC | VC 26 L MC | VC 35 L MC | VC 35 L AC | VC 45 L AC | VC 45 M AC | VC 45 H AC |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----------|------------|------------|------------|------------|------------|------------|------------|
| Snap-ring grey<br>                                                                                   | For suction hose SH-C with snap coupling.                                                                                                                                                                                                        | SH-C 32            | 1  | 379.654   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Clip-on quick clamping ring red<br>                                                                  | For suction adapter SAD-FC 32 and for GE 5 /R, GSE 5 R.                                                                                                                                                                                          | SH-FC 32           | 1  | 406.023   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Threaded ring clip with auxiliary air control<br>                                                    | Threading 32 mm Ø with snap coupling, inclusive variable auxiliary air adjustment of suction power for reduction of underpressure. Compatible for suction hose 32 mm.                                                                            | SAM-C 32 AS NL     | 1  | 406.716   | -          | -          | ■          | ■          | ■          | -          | -          |
| Threading Clip<br>                                                                                 | Threading 32 mm Ø with snap coupling inclusive adjustment of suction power for reduction of underpressure. Compatible for suction hose 32 mm.                                                                                                    | SAM-C 32 AS        | 1  | 413.046   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Adapter<br>                                                                                        | Adapter for connecting suction hose (297.011, 354.953, 338.508) with snap coupling and metal elbow.                                                                                                                                              | SAD-C D32 AS       | 1  | 369.861   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Clip adapter<br>                                                                                   | For connecting a FLEX power tool to extraction units from other manufacturers. Suitable for hoses inside Ø 27 mm, outside Ø 36 mm, with auxiliary air adjustment.                                                                                | SAD-C D36/27 AS/NL | 1  | 408.360   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Fast clip adapter<br>                                                                              | Change adapter on electric power tools with closed FLEX clip-system for quick and easy detachment/attachment (quick clamping ring).                                                                                                              | SAD-FC 32          | 1  | 410.497   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Adapter<br><br> | Universal adapter antistatic, for universal connection of machines with 25-32 mm Ø extraction connection with 32 mm suction hose (297.011, 354.953, 338.508), for adapter with snap connection, can be trimmed to 3 different diameters.         | SAD-C D25-32 AS    | 1  | 320.188   | -          | -          | ■          | ■          | ■          | ■          | ■          |
|                                                                                                                                                                                       | Suitable for suction hoses using the FLEX clip-system. Anti-static design.                                                                                                                                                                       | SAD-C D32 AS       | 1  | 393.398   | -          | -          | ■          | ■          | ■          | ■          | ■          |
| Extraction connection<br>                                                                          | Suitable for vacuum hose with FLEX clip-system. Antistatic equipment. For WSE 500 and WS 702 VEA. Note: to attach the extraction connection to WSE 500, WS 702 VEA please order the following articles, snap ring 359.696, clamping nut 359.688. | SAD-C WS/WSE       | 1  | 364.460   | -          | -          | ■          | ■          | ■          | ■          | ■          |

## Safety vacuum cleaners

### Accessories

| Type                                                                                                                                                                                  | Description                                                                                                                                                                                                                                                         | Designation      | QP | Order no. | VC 21 L MC | VCE 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----|-----------|------------|-------------|------------|-------------|-------------|-------------|-------------|
| Filter-free switching module<br>                                                                     | Filter-free switching module for activation of manual filter cleaning for the VC 35 L MC.                                                                                                                                                                           |                  | 1  | 298.255   | -          | -           | ■          | -           | -           | -           | -           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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| Rotating vacuum adapter<br>                                                                          | The connector rotates and connects the 32 mm diameter suction hose with its intake fitting. Also suitable for the antistatic suction hose (electrically conductive).                                                                                                | SAD-32 VC/VCE AS | 1  | 340.804   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
| Coupling bush<br>                                                                                    | For connecting two FLEX vacuum hoses, without connection, inside thread 32 mm.                                                                                                                                                                                      | SAD 32/32        | 1  | 296.996   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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| Adapter<br>                                                                                        | Adapter 32/28 mm, for connecting machines with 28 mm Ø vacuum attachment to 32 mm vacuum hose or with suction hose extension (296.953).                                                                                                                             | SAD D32-28       | 1  | 251.847   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
| Adapter rotating<br>                                                                               | Adapter 32/32 mm, for connecting a machine with 32 mm Ø vacuum cleaner outlet (e.g. renovation sander or angle grinder with cutting guard) with 32 mm vacuum hose or with suction hose extension (296.953).                                                         | SAD D32-32 R     | 1  | 328.308   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
| Adapter<br><br> | For connection of 32 mm Ø suction hoses and suction hose extension SHV-C 32x0.5 m (296.953) to the device.                                                                                                                                                          | SAD D32-36       | 1  | 257.169   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
|                                                                                                                                                                                       | Universal adapter with 32 mm thread inside for universal connection of machines with 25-32 mm Ø extraction connection with 32 mm suction hose (without clip attachment), or with suction hose extension (296.953). Adapter can be trimmed to 3 different diameters. | SAD D25-32 AS    | 1  | 259.827   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
| Special adapter<br>                                                                                | Suitable for suction hoses with 32 mm Ø without FLEX clip-system and for the suction hose extension (296.953).                                                                                                                                                      | SAD D32 WS/WSK   | 1  | 340.790   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                                                                                       |                                                                                                                                                                                                                                                                     |                  |    |           |            |             |            |             |             |             |             |
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■ suitable  
- not suitable

| Type                                                                                | Description                                                                                                                                                                                                                                                                                                                                     | Designation         | Dimensions<br>in mm | QP    | Order no. | VC 21 L MC | VCE 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|-------|-----------|------------|-------------|------------|-------------|-------------|-------------|-------------|
|    | Connecting sleeve for electric power tools. Diameter 27 to 32 mm, for vacuum hose 385.484.                                                                                                                                                                                                                                                      | SAD D27-32          |                     | 1     | 385.506   | ■          | ■           | -          | -           | -           | -           |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     | Antistatic sleeve Ø 27 mm, suitable for suction hose 379.395.                                                                                                                                                                                                                                                                                   | SAD 27 AS           |                     | 1     | 382.736   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|    | The drill dust extractor is connected to the suction hose of the FLEX vacuum cleaners or to different adapters so that the dust is extracted directly through the drill hole. There is no dust residue. For drilling applications up to Ø 24 mm.                                                                                                | SAD BS D32          | 290 x 65            | 1     | 394.025   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|   | For fixing power tool cable to vacuum hose, suitable for 27-36 mm external Ø.                                                                                                                                                                                                                                                                   | Cable clip, 1 piece |                     | 1     | 252.188   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|  | Consisting of elbow AS with clip attachment for connecting suction hose and vacuum tube (398.446), 2 x metal vacuum tube 0.5 m, chrome-plated (385.514), crevice nozzle (385.530) and clip floor nozzle with replacement insert for floor cleaning with brush strip insert for dry cleaning and rubber strip insert for wet cleaning (300.659). |                     |                     | 1 set | 369.845   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
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|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|  | For connection of suction hose with snap connection and suction tube.                                                                                                                                                                                                                                                                           | K-C 32 KU AS        |                     | 1     | 398.446   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     | Chrome-plated metal elbow for connecting the vacuum tubes. Only to be used with adapter plus clip attachment.                                                                                                                                                                                                                                   | K 32 ME             |                     | 1     | 369.853   | -          | -           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|  | Extension tubes made of aluminium, diameter 32 mm, length 500 mm.                                                                                                                                                                                                                                                                               | V 36x500 AL VE2     |                     | 2     | 385.522   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     | Extension tubes made of steel, chrome-plated, diameter 32 mm, length 500 mm.                                                                                                                                                                                                                                                                    | V 36x500 ME VE2     |                     | 2     | 385.514   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                 |                     |                     |       |           |            |             |            |             |             |             |             |

## Safety vacuum cleaners

### Accessories

| Type                                                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                   | Designation       | QP | Order no. | VC 21 L MC | VCE 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----|-----------|------------|-------------|------------|-------------|-------------|-------------|-------------|
| Brush nozzle<br>               | Brush nozzle with brush edge for cleaning sensitive surfaces. Width 46 mm, length 220 mm.                                                                                                                                                                                                                                                                                                     | BN 36x220         | 1  | 385.557   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Round brush<br>                | Round brush nozzle with brush edge for cleaning sensitive surfaces. Diameter 36 mm, length 120 mm.                                                                                                                                                                                                                                                                                            | RN 36x120         | 1  | 385.646   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Upholstery nozzle<br>          | Upholstery nozzle with thread catcher, diameter 36 mm, width 115 mm.                                                                                                                                                                                                                                                                                                                          | PN 36x115         | 1  | 385.549   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Crevice nozzle<br>           | Crevice nozzle diameter 36 mm, length 300 mm (not serial equipment).                                                                                                                                                                                                                                                                                                                          | CN 36x300         | 1  | 385.530   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Surface nozzle<br>           | The surface nozzle (90x120 mm) made of plastic with bevelled nozzle part is suitable for the suction of dust and loose dirt residues for small repair work for the suction in corners, niches, recesses, window sills that are difficult to reach. Also available as wide crevice tool for the suction of cracks as well as in the interior of vehicles for seat surfaces, gaps and consoles. | FD D36 90x120mm   | 1  | 413.437   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Combination floor nozzle<br> | Switchable combination floor nozzle for cleaning carpeted floors and hard floors. Diameter 36 mm, width 260 mm.                                                                                                                                                                                                                                                                               | KN 36x260         | 1  | 385.565   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Floor nozzle<br>             | Floor nozzle, complete with carpet and combination rubber strip insert for dry and wet cleaning.                                                                                                                                                                                                                                                                                              | CNW 36x300        | 1  | 300.659   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
| Rubber strip<br>             | Combination rubber strip insert for use with the floor nozzle 300.659.                                                                                                                                                                                                                                                                                                                        | GL-CNW 36x300 VE2 | 2  | 300.683   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |
|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                               |                   |    |           |            |             |            |             |             |             |             |

■ suitable  
- not suitable

| Type                                                                                                                  | Description                                                                                                                                                                                           | Designation         | QP | Order no. | VC 21 L MC | VCE 26 L MC | VC 35 L MC | VCE 35 L AC | VCE 45 L AC | VCE 45 M AC | VCE 45 H AC |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----|-----------|------------|-------------|------------|-------------|-------------|-------------|-------------|
| Brush strip<br>                      | Carpet brush strip insert for use with the floor nozzle 300.659.                                                                                                                                      | BL-CNW 36x300 VE2   | 2  | 300.675   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Floor nozzle with rollers<br>        | Aluminium floor nozzle with height-adjustable castors and replacement insert. Inserts: brush insert for dry cleaning and rubber strips for wet cleaning, 370 mm width.                                | FN-AL 36x370        | 1  | 369.896   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Brush strip<br>                      | Brush strip insert (spare part) for aluminium floor nozzle (369.896)                                                                                                                                  | BL-FN-AL 36x370 VE2 | 2  | 374.075   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Rubber strip<br>                    | Rubber lip insert (spare part) for aluminium floor nozzle (369.896).                                                                                                                                  | GL-FN-AL 36x370 VE2 | 2  | 374.083   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Clip floor nozzle with rollers<br> | Clip floor nozzle with rollers and interchangeable insert. Brush strip insert for dry cleaning and rubber strip insert for wet cleaning. Diameter 36 mm, width 400 mm.                                | CNW 36x400          | 1  | 385.573   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Brush strip<br>                    | Brush strips (replacement requirement) for the clip floor nozzle (385.573).                                                                                                                           | BL-CNW 36x400 VE2   | 2  | 385.581   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Rubber strip<br>                   | Rubber lips (replacement requirement) for clip floor nozzle (385.573).                                                                                                                                | GL-CNW 36x400 VE2   | 2  | 385.603   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Height-adjustable floor nozzle<br> | Height-adjustable floor nozzle with rollers and rubber strips. Can be used for wet and dry cleaning. Diameter 36 mm, width 400 mm.                                                                    | FN-K 36x450         | 1  | 385.611   | ■          | ■           | ■          | ■           | ■           | ■           | ■           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Rubber strip<br>                   | Rubber lips (replacement requirement) for floor nozzle (385.611).                                                                                                                                     | GL-FN-K 36x450 VE2  | 2  | 385.638   | -          | -           | -          | -           | -           | -           | -           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
| Storage system<br>                 | Fits on to the industrial vacuum cleaner S 47, S 47 M, VCE 35 L AC, VCE 45 L AC, VCE 45 M AC, VCE 45 H AC for resting the WST 700 VV Giraffe®, WST 1000 FV or MS 1706 FR wall chaser and vacuum hose. | OS-VSE 35/45        | 1  | 350.370   | -          | -           | -          | ■           | ■           | ■           | ■           |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |
|                                                                                                                       |                                                                                                                                                                                                       |                     |    |           |            |             |            |             |             |             |             |



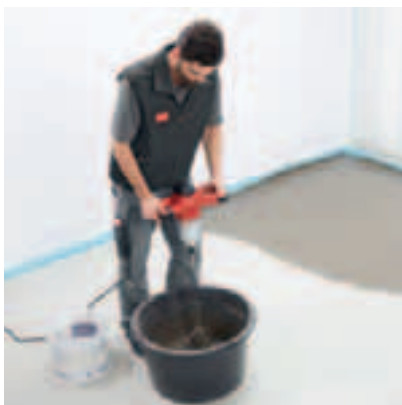
## Mixing is not always mixing.

Many years of experience and intensive cooperation with the professionals in the field have flown into the FLEX mixing machine and mixing paddle program.

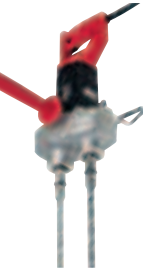
Application-oriented stirring and mixing, of low-viscous, e.g. liquid materials and highly viscous materials to be stirred, pose different demands to a mixer. Stirring up, stirring through and mixing are the phases of the mixing process in which both speeds and torques vary. Splashing or dust development should be avoided when stirring up. Therefore, all FLEX mixers are equipped with an accelerator trigger switch. This ensures slow stirring up of any material.

For the latest MXE mixers, a newly designed gear has been equipped with smart electronics that provide the required force at consistent speed while at the same time protecting the mixer from overload and overheating in permanent use.

This way, construction materials can be mixed homogeneously. The ergonomics and design of the mixers support working comfort and offer the user optimised operating comfort even in the starting class.

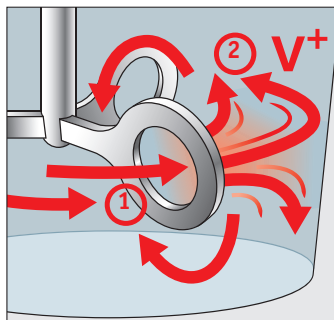


## The right mixer does it best.

|                                |  |  |  |  |  |  |  |
|--------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                | <b>MXE 1000</b>                                                                   | <b>MXE 1002</b>                                                                   | <b>MXE 1200</b>                                                                   | <b>MXE 1202</b>                                                                    | <b>R 600 VV</b>                                                                     | <b>R 1800 VR</b>                                                                    | <b>RZ 600 VV</b>                                                                    |
| Power input                    | 1010 watt                                                                         | 1010 watt                                                                         | 1200 watt                                                                         | 1200 watt                                                                          | 1300 watt                                                                           | 1800 watt                                                                           | 1300 watt                                                                           |
| No load speed 1st gear         | 0-530/min                                                                         | 0-530/min                                                                         | 0-210/min<br>0-325/min<br>0-530/min                                               | 0-210/min<br>0-325/min<br>0-530/min                                                | 150-500/min                                                                         | 200-590/min                                                                         | 130-400/min                                                                         |
| No load speed 2nd gear         | –                                                                                 | 0-780/min                                                                         | –                                                                                 | 0-320/min<br>0-490/min<br>0-780/min                                                | –                                                                                   | –                                                                                   | –                                                                                   |
| Tool fixture                   | M 14                                                                              | M 14                                                                              | M 14                                                                              | M 14                                                                               | M 18                                                                                | M 18                                                                                | 2 x 16 mm Ø                                                                         |
| Clamping collar Ø              | 53 mm                                                                             | 53 mm                                                                             | 53 mm                                                                             | 53 mm                                                                              | 63 mm                                                                               | 63 mm                                                                               | 63 mm                                                                               |
| Max. mixing paddle Ø           | 120 mm                                                                            | 120 mm                                                                            | 140 mm                                                                            | 140 mm                                                                             | 160 mm                                                                              | 200 mm                                                                              | 130 mm                                                                              |
| Weight (without mixing paddle) | 4.5 kg                                                                            | 4.6 kg                                                                            | 4.5 kg                                                                            | 4.6 kg                                                                             | 5.4 kg                                                                              | 6.1 kg                                                                              | 6.3 kg                                                                              |

## VORTINOX

The clever mixing system. Simple but effective.



The VORTINOX mixing system is identified by three circular mixing elements. These mixing elements utilize the laws of fluids.

When the rings glide through the mixture, the pressure in the centre (direction of arrow 1) is increased. The exit speed (direction of arrow 2) also increases and a so-called laminar flow occurs. Above and below the rings a radial low pressure forms which generates a deaerating effect in the medium. This counteracts any trapped air (air bubbles).

### 100% stainless steel

*No rusting, no contamination of paints, varnishes or plaster. Prevents contaminants (rust particles) from being stirred into light/white colours.*

*Extremely high resistance to wear, resulting in greater stability and extremely long service life.*

*No contamination by plastic particles. The frequently used paint mixers with plastic blades leave scraped off plastic splinters in the mixture. This is especially disadvantageous for light colours.*

### Smooth surfaces

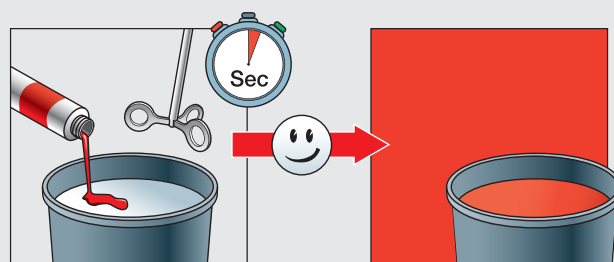
*Especially easy and simple to clean. No tight bending radii or angular misalignments, no "dirt pockets".*

### Round spindle D 10

*Held simply in the chuck of a drill or a cordless screwdriver. High true running accuracy.*

### Advantages at a glance

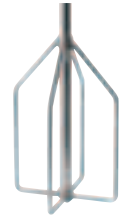
- the mixing process is completed in less time
- dynamic flow replaces mechanical force
- the mixer homogenises the mixture in the container by an intrinsically dynamic flow
- no air intake, no foam formation
- no degassing of the mixture
- no heating of the mixture
- slow circumferential speeds with high intrinsic dynamics
- gentle mixing
- no lump formation when mixing in powdered substances, e.g. paste



|                | mm  | mm  | mm | l/kg    |
|----------------|-----|-----|----|---------|
| VR 80x320 D10  | 80  | 320 | 10 | 0.5-5 l |
| VR 140x520 D10 | 140 | 520 | 10 | 3-15 l  |

Order no. page 264

# Overview of the mixing head range

|                               |  |  |  |  |  |  |  |  |
|-------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               | Spiral paddle<br>RR2                                                              | Helix paddle<br>WR2                                                               | Helix paddle<br>WR3R                                                              | Helix paddle<br>WR3L                                                              | Plaster paddle<br>PR3L                                                             | Disc paddle<br>SR2                                                                  | Beater<br>RB                                                                        | VORTINOX<br>VR                                                                      |
| Wall paints                   | ••                                                                                |                                                                                   |                                                                                   | ••                                                                                |                                                                                    | ••                                                                                  |                                                                                     | ••                                                                                  |
| Emulsion paints               | •                                                                                 |                                                                                   |                                                                                   | ••                                                                                |                                                                                    | ••                                                                                  |                                                                                     | ••                                                                                  |
| Varnishes/glazes              | ••                                                                                |                                                                                   |                                                                                   | ••                                                                                |                                                                                    | ••                                                                                  |                                                                                     | ••                                                                                  |
| Paste                         | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    | •                                                                                   |                                                                                     | ••                                                                                  |
| Cement slurry                 | •                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                    | •                                                                                   |                                                                                     | ••                                                                                  |
| Jointing mortar               | •                                                                                 |                                                                                   |                                                                                   | •                                                                                 |                                                                                    |                                                                                     |                                                                                     | ••                                                                                  |
| Glue                          | •                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    | •                                                                                   |                                                                                     | ••                                                                                  |
| Adhesive mortar               |                                                                                   | ••                                                                                |                                                                                   |                                                                                   | •                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| Tile adhesive                 |                                                                                   | ••                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     | •                                                                                   |                                                                                     |
| Sealants                      |                                                                                   | •                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     | ••                                                                                  |                                                                                     |
| Adhesives                     |                                                                                   | •                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     | ••                                                                                  | •                                                                                   |
| Filler                        |                                                                                   | ••                                                                                |                                                                                   |                                                                                   | •                                                                                  |                                                                                     | •                                                                                   |                                                                                     |
| Grout                         | •                                                                                 | ••                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     | •                                                                                   |                                                                                     |
| Filler compound               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | ••                                                                                  | ••                                                                                  |
| Thin-bed mortar               |                                                                                   | ••                                                                                | •                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Finished plaster              |                                                                                   | ••                                                                                | •                                                                                 |                                                                                   | •                                                                                  |                                                                                     |                                                                                     | •                                                                                   |
| Bitumen coating               |                                                                                   | •                                                                                 | •                                                                                 |                                                                                   |                                                                                    |                                                                                     | •                                                                                   | •                                                                                   |
| Bitumen                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | •                                                                                   |                                                                                     |
| Fibrous material              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | •                                                                                   | •                                                                                   |
| Mortar                        |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | •                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| Repair mortar                 |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | •                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| 2-K artificial mortar         |                                                                                   |                                                                                   | ••                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Concrete                      |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Screed                        |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Cement plaster                |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | ••                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Lime plaster                  |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | ••                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Plasterboard bonding compound |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | ••                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Thermal insulating plaster    |                                                                                   | •                                                                                 | ••                                                                                |                                                                                   | ••                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Epoxy resin                   |                                                                                   |                                                                                   | ••                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     | ••                                                                                  |

•• particularly suitable

• suitable

Thin-liquid to pasty  
Low viscosity

Pasty to tough  
Medium viscosity

Tough to heavy  
High viscosity





## The FLEX mixers represent quality and reliability. Developed for all mixing tasks on the construction site.

The new FLEX MXE-series convinces with its outstanding ergonomics, maximum robustness and pulling power for rough use at construction sites. Thanks to the combination of ergonomic grip position, upright working posture and powerful motors, mixing is possible quickly and easily. The MXE 1002 and 1202 models are also equipped with a unique spindle stop function for tool-free mixing rod change.



### 3-level switch

For safe stirring up, stirring through and cleaning without interrupting work. A special switch protection prevents contamination and blocking of the switch. (MXE 1200, 1202)



### 2-speed gear with spindle stop and turning stop function

The unique patented spindle stop function permits tool-free mixing rod change. The turning stop function protects the user at mixing rod change.



### Large accelerator trigger switch

The accelerator trigger switch with latch for stationary use is equipped with a rubber protection against contamination. The accelerator trigger switch has a soft start-up for careful stirring up.



### Tool fixture: M 14

The collar at Ø 53 mm offers space for large ball bearings while increasing service life.



### 2-speed dial switch with spindle stop

Gear level 1: For high-viscosity building materials, for stirring at high power.  
 Gear level 2: For medium- and low-viscosity building materials, for stirring at high speed.



### Full rubber protectors

Prevent damage at transport, depositing and dropping of the mixers.



### Robust gear housing

The gear housing of die-cast aluminium protects the gear and convinces with its enormous robustness and long service life.

## Mixers

MXE 1000

MXE 1002

MXE 1200

MXE 1202

## Best posture position

Mixing upright – ergonomic and healthy



Painter, stuccoer, plasterer or mason – FLEX has the right machine for any user, from the universal 1010 watt 1-speed mixer MXE 1000 to the powerful 1200 watt 2-speed mixer MXE 1202. The new mixers convince with their robust setup, easy handling, reliability and longevity.

## Best mixing results

Mix almost any material, no matter its viscosity



### Splashing is not required

All models of the new MXE-series are equipped with an accelerator trigger switch with soft start-up for careful stirring up. This prevents splashing out of liquid materials such as paints and varnishes.



### Best connection

Tile glue is mixed with a right-handed mixing paddle that mixes the material from bottom up. This ensures a smooth mass.



### Best ergonomics

The wide and ergonomic frame grips and the high centre of gravity facilitate safe control of the machine – even at larger leverage effects.



### Bubble-free

For materials such as a floor levelling compound, air enclosures must be avoided particularly. The stirring brush RB prevents stirring in of air bubbles.



### Two speeds = more power

MXE 1202 – the powerful 1200 watt 2-speed mixer – ideal for mixing different materials at up to 50 kg.



### Mixing head cleaning is important!

Material residues at the mixing head come loose at the next mixing process. They form undesired debris that will negatively influence material quality. Thorough cleaning of the mixing head after each mixing process is urgently recommended.

# Mixers

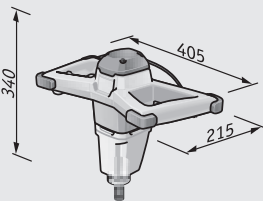
## MXE 1000



**NEW**

### SPECIFICATIONS

|                                |                    |
|--------------------------------|--------------------|
| No load speed                  | 0-530 rpm          |
| Power input                    | 1010 watt          |
| Power output                   | 550 watt           |
| Tool fixture                   | M 14               |
| Clamping collar Ø              | 53 mm              |
| Max. mixing paddle Ø           | 120 mm             |
| Size ( W x L x H )             | 405 x 215 x 340 mm |
| Cable length                   | 4,0 m              |
| Weight (without mixing paddle) | 4,5 kg             |



### 1010 watt 1-speed mixer with accelerator trigger switch

- Large, rugged single-speed gear unit with optimum gear ratio for high torque
- Full-wave electronic control: with soft start, temperature monitoring, overload protection and accelerator switch - for a controlled run-up to the optimum mixing speed. Sustained power in all speed ranges
- On/off switch with lock and protection at power interruption. Ideal for stationary operation in a mixing station
- The flexible rubber sleeve over the on/off switch prevents the ingress of dirt. No malfunctions caused by jammed switches
- Ergonomic handles on the drive unit: low weight, fatigue-free arm posture and upright body posture allow comfortable, ergonomic operation
- Four corner guards with rubber buffer provide secure storage during transportation and offer protection against shocks and impacts at the building site
- Protective cap above the motor housing guides the cooling air flow and prevents the ingress of rain water
- For mixed applications up to 40 kg
- Proven standard mixer is ideal for users operating mainly in the low speed range

Order your mixer together with the mixing paddle which is the right one for you!

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>MXE 1000 + WR2 120</b>       | <b>433.179</b> |
| 1 WR2 helix paddle 120x600 M14  | 368.881        |
| 1 open-ended wrench SW 19       | 104.914        |
| 1 open-ended wrench SW 22       | 109.398        |
| <b>MXE 1000 + RR2 120</b>       | <b>433.187</b> |
| 1 RR2 spiral paddle 120x600 M14 | 368.903        |
| 1 open-ended wrench SW 19       | 104.914        |
| 1 open-ended wrench SW 22       | 109.398        |



Accessories from page 263



NEW

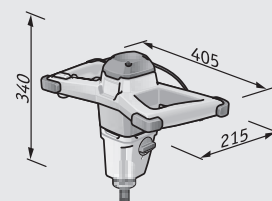
### 1010 watt 2-speed mixer with accelerator trigger switch

- Large, rugged 2-gear unit with optimum ratios for powerful torque and correct speed for different materials
- Full-wave electronic control: with soft start, temperature monitoring, overload protection and accelerator switch - for a controlled run-up to the optimum mixing speed. Sustained power in all speed ranges
- On/off switch with lock and protection at power interruption. Ideal for stationary operation in a mixing station
- The flexible rubber sleeve over the on/off switch prevents the ingress of dirt. No malfunctions caused by jammed switches
- Ergonomic handles on the drive unit: low weight, fatigue-free arm posture and upright body posture allow comfortable, ergonomic operation
- Four corner guards with rubber buffer provide secure storage during transportation and offer protection against shocks and impacts at the building site
- Protective cap above the motor housing guides the cooling air flow and prevents the ingress of rain water
- Spindle lock with start-up protection. Simplifies exchange of the mixing paddle
- For mixed applications up to 40 kg
- Universal mixer for practically all construction materials: the 2nd gear provides it with exceptional sustained power in the top and low speed range



### SPECIFICATIONS

|                                |                    |
|--------------------------------|--------------------|
| No load speed 1st gear         | 0-530 rpm          |
| No load speed 2nd gear         | 0-780 rpm          |
| Power input                    | 1010 watt          |
| Power output                   | 550 watt           |
| Tool fixture                   | M 14               |
| Clamping collar Ø              | 53 mm              |
| Max. mixing paddle Ø           | 120 mm             |
| Size ( W x L x H )             | 405 x 215 x 340 mm |
| Cable length                   | 4,0 m              |
| Weight (without mixing paddle) | 4,6 kg             |



Order your mixer together with the mixing paddle which is the right one for you!

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>MXE 1002 + WR2 120</b>       | <b>433.209</b> |
| 1 WR2 helix paddle 120x600 M14  | 368.881        |
| 1 open-ended wrench SW 22       | 109.398        |
| <b>MXE 1002 + WR3R 120</b>      | <b>433.195</b> |
| 1 helix paddle WR3R 120x600 M14 | 368.911        |
| 1 open-ended wrench SW 22       | 109.398        |
| <b>MXE 1002 + RR2 120</b>       | <b>433.217</b> |
| 1 RR2 spiral paddle 120x600 M14 | 368.903        |
| 1 open-ended wrench SW 22       | 109.398        |





# Mixers

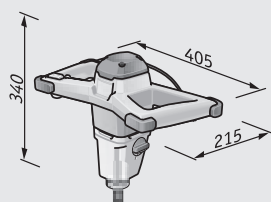
## MXE 1200



**NEW**

### SPECIFICATIONS

|                                |                    |
|--------------------------------|--------------------|
| No load speed                  | 0-210/325/530 rpm  |
| Power input                    | 1200 watt          |
| Power output                   | 710 watt           |
| Tool fixture                   | M 14               |
| Clamping collar Ø              | 53 mm              |
| Max. mixing paddle Ø           | 140 mm             |
| Size ( W x L x H )             | 405 x 215 x 340 mm |
| Cable length                   | 4,0 m              |
| Weight (without mixing paddle) | 4,5 kg             |



### 1200 watt 1-speed mixer with 3-level speed switch

- Large, rugged single-speed gear unit with optimum gear ratio for high torque
- Full-wave electronic control: with soft start, temperature monitoring, overload protection and accelerator switch - for a controlled run-up to the optimum mixing speed. Sustained power in all speed ranges
- Comfortable 3-level switch can be reached from the grip position without interrupting work, protected by a rubber sleeve. Level 1: cleaning, level 2: stirring up, level 3: mixing
- On/off switch with lock and protection at power interruption. Ideal for stationary operation in a mixing station
- The flexible rubber sleeve over the on/off switch prevents the ingress of dirt. No malfunctions caused by jammed switches
- Ergonomic handles on the drive unit: low weight, fatigue-free arm posture and upright body posture allow comfortable, ergonomic operation
- Four corner guards with rubber buffer provide secure storage during transportation and offer protection against shocks and impacts at the building site
- Protective cap above the motor housing guides the cooling air flow and prevents the ingress of rain water
- Spindle lock with start-up protection. Simplifies exchange of the mixing paddle
- For mixed applications up to 60 kg

Order your mixer together with the mixing paddle which is the right one for you!

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>MXE 1200 + WR2 140</b>       | <b>433.233</b> |
| 1 helix paddle WR2 140x600 M14  | 368.881        |
| 1 open-ended wrench SW 22       | 109.398        |
| <b>MXE 1200 + WR3R 140</b>      | <b>433.225</b> |
| 1 helix paddle WR3R 140x600 M14 | 369.012        |
| 1 open-ended wrench SW 22       | 109.398        |
| <b>MXE 1200 + SR2 140</b>       | <b>433.241</b> |
| 1 disc paddle SR2 140x600 M14   | 369.128        |
| 1 open-ended wrench SW 22       | 109.398        |



Accessories from page 263



NEW

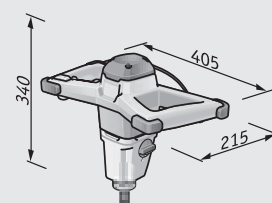
### 1200 watt 2-speed mixer with 3-level speed switch

- Large, rugged 2-gear unit with optimum ratios for powerful torque and correct speed for different materials
- Full-wave electronic control: with soft start, temperature monitoring, overload protection and accelerator switch - for a controlled run-up to the optimum mixing speed. Sustained power in all speed ranges
- Comfortable 3-level switch can be reached from the grip position without interrupting work, protected by a rubber sleeve. Level 1: cleaning, level 2: stirring up, level 3: mixing
- On/off switch with lock and protection at power interruption. Ideal for stationary operation in a mixing station
- The flexible rubber sleeve over the on/off switch prevents the ingress of dirt. No malfunctions caused by jammed switches
- Ergonomic handles on the drive unit: low weight, fatigue-free arm posture and upright body posture allow comfortable, ergonomic operation
- Four corner guards with rubber buffer provide secure storage during transportation and offer protection against shocks and impacts at the building site
- Protective cap above the motor housing guides the cooling air flow and prevents the ingress of rain water
- Spindle lock with start-up protection. Simplifies exchange of the mixing paddle
- For mixed applications up to 60 kg



### SPECIFICATIONS

|                                |                    |
|--------------------------------|--------------------|
| No load speed 1st gear         | 0-210/325/530 rpm  |
| No load speed 2nd gear         | 0-320/490/780 rpm  |
| Power input                    | 1200 watt          |
| Power output                   | 710 watt           |
| Tool fixture                   | M 14               |
| Clamping collar Ø              | 53 mm              |
| Max. mixing paddle Ø           | 140 mm             |
| Size ( W x L x H )             | 405 x 215 x 340 mm |
| Cable length                   | 4,0 m              |
| Weight (without mixing paddle) | 4,6 kg             |



Order your mixer together with the mixing paddle which is the right one for you!

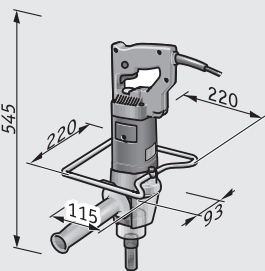
| Standard equipment                                                                                             | Order no.      |
|----------------------------------------------------------------------------------------------------------------|----------------|
|  <b>MXE 1202 + WR2 140</b>  | <b>433.276</b> |
| 1 helix paddle WR2 140x600 M14                                                                                 | 368.997        |
| 1 open-ended wrench SW 22                                                                                      | 109.398        |
|  <b>MXE 1202 + WR3R 140</b> | <b>433.268</b> |
| 1 helix paddle WR3R 140x600 M14                                                                                | 369.012        |
| 1 open-ended wrench SW 22                                                                                      | 109.398        |
|  <b>MXE 1202 + SR2 140</b>  | <b>433.284</b> |
| 1 disc paddle SR2 140x600 M14                                                                                  | 369.128        |
| 1 open-ended wrench SW 22                                                                                      | 109.398        |

Mixers  
R 600 VV



SPECIFICATIONS

|                                |             |
|--------------------------------|-------------|
| No load speed                  | 150-500 rpm |
| Power input                    | 1300 watt   |
| Power output                   | 850 watt    |
| Tool fixture                   | M 18        |
| Clamping collar Ø              | 63 mm       |
| Max. mixing paddle Ø           | 160 mm      |
| Cable length                   | 4,0 m       |
| Weight (without mixing paddle) | 5,4 kg      |



1300 watt mixer with speed selection

- VV electronic control: with constant speed control, soft start with continuous speed accelerator switch, overload protection and speed selector wheel
- Mixing head fixture: M 18, with adapter M 14
- Stable safety and deposit frame: Protects the machine from dirt and damage
- Long side handgrip for fatigue-free and safe torque take-up
- Spade handle with integrated switch for maximum operator convenience
- Ideal for mixing paint, stiff adhesives, solvents and insulation compounds in continuous use
- Rugged and long-life for heavy-duty use

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>R 600 VV</b>                 | <b>282.359</b> |
| 1 handle (long)                 | 259.538        |
| 1 helix paddle WR3R 160x600 M14 | 369.020        |
| 1 adapter M 18 x M 14           | 250.484        |
| 1 open-ended wrench SW 24       | 198.781        |

Accessories from page 263



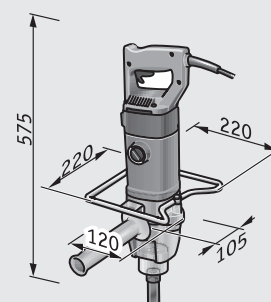
### 1800 watt mixer with speed selection

- VR electronic control: with tachogenerator constant speed control, soft start, overload protection and speed selection
- Spade handle with long side handgrip for easy and safety handling and to absorb the torque
- Stable safety and deposit frame: Protects the machine from dirt and damage
- Extremely powerful, rugged power tool
- Ideal for mixing very stiff compounds and large quantities
- Rugged metal composite housing for optimum heat dissipation



### SPECIFICATIONS

|                                |             |
|--------------------------------|-------------|
| No load speed                  | 200-590 rpm |
| Power input                    | 1800 watt   |
| Power output                   | 1100 watt   |
| Tool fixture                   | M 18        |
| Clamping collar Ø              | 63 mm       |
| Max. mixing paddle Ø           | 200 mm      |
| Cable length                   | 10,0 m      |
| Weight (without mixing paddle) | 6,1 kg      |



| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>R 1800 VR</b>                | <b>254.474</b> |
| 1 handle (long)                 | 259.538        |
| 1 helix paddle WR3R 160x600 M14 | 369.020        |
| 1 adapter M 18 x M 14           | 250.484        |
| 1 open-ended wrench SW 24       | 198.781        |

Mixers  
RZ 600 VV

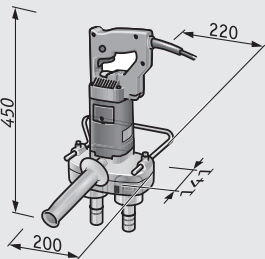


| SPECIFICATIONS                 |             |
|--------------------------------|-------------|
| No load speed                  | 130-400 rpm |
| Power input                    | 1300 watt   |
| Power output                   | 850 watt    |
| Tool fixture                   | 2 x 16 mm Ø |
| Clamping collar Ø              | 63 mm       |
| Max. mixing paddle Ø           | 130 mm      |
| Cable length                   | 4,0 m       |
| Weight (without mixing paddle) | 6,3 kg      |



1300 watt double positive action mixer

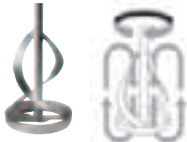
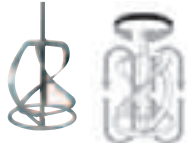
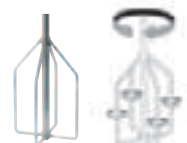
- VV electronic control: with constant speed control, soft start with continuous speed accelerator switch, overload protection and speed selector wheel
- Mixing head fixture: 2 x 16 mm Ø with keyway
- Protection frame
- Spade handle with integrated switch for maximum operator convenience
- Ideal for mixing stiff adhesives, insulation materials, multi-component resins, varnishes and paints in continuous heavy-duty use



| Standard equipment     | Order no. |
|------------------------|-----------|
| RZ 600 VV              | 282.413   |
| 1 handle (long)        | 257.580   |
| Mixing paddle I and II | 252.200   |

Accessories from page 264

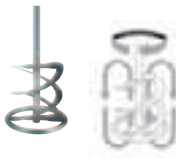


| Type                                                                                                       | Description                                                                                                                                                                                                                                                                                                    | Designation      | Paddle/<br>Dimensions<br>in mm | Mix<br>in kg | QP | Order no. | MXE 1000/1002 | MXE 1200/1202 | R 600 VV | R 1800 VR | RZ 600 VV |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------|--------------|----|-----------|---------------|---------------|----------|-----------|-----------|
| Spiral paddle RR2<br>     | Two negatively arranged spirals force the material down, preventing the liquid material from splashing. Ideal for mixing liquid to tough material: Paint, emulsions, varnishes, glazes, coatings, paste, bitumen.                                                                                              | RR2 120x600 M14  | 120 Ø                          | 20 – 40      | 1  | 368.903   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Helix paddle WR2<br>      | Two clockwise helices for kneading and mixing tough to pasty materials. The mixer paddle screws itself down forcing the material upwards. Extremely versatile, can be used for: tile adhesive, grout, filler, finished plaster, adhesive mortar, filler compound, floor screed.                                | WR2 120x600 M14  | 120 Ø                          | 15 – 25      | 1  | 368.881   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR2 140x600 M14  | 140 Ø                          | 20 – 40      | 1  | 368.997   | -             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR2 160x600 M14  | 160 Ø                          | 20 – 40      | 1  | 369.004   | -             | -             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Helix paddle WR3R<br>    | Three clockwise helices screw themselves into the material. This provides fast, intensive mixing of even the heaviest and toughest mixtures, with little effort. Also known as a mortar or tough mixture paddle. Ideal for: mortar, concrete, plaster, screed, plasterboard bonding compound, bitumen coating. | WR3R 120x600 M14 | 120 Ø                          | 15 – 25      | 1  | 368.911   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR3R 140x600 M14 | 140 Ø                          | 20 – 40      | 1  | 369.012   | -             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR3R 160x600 M14 | 160 Ø                          | 30 – 60      | 1  | 369.020   | -             | -             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Plaster paddle PR3L<br> | Three anticlockwise helices press down the mix and stop the material from splashing. Very powerful appliances and strengthened spindles are used for substantial mixing quantities. Ideal for plaster.                                                                                                         | PR3L 180x600 M14 | 180 Ø                          | 40 – 80      | 1  | 369.039   | -             | -             | -        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | PR3L 200x600 M14 | 200 Ø                          | 60 – 100     | 1  | 369.047   | -             | -             | -        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Helix paddle WR3L<br>   | Three anticlockwise helices press down the mix in the container. Any deposited pigments, solids or fibres are forced upwards and evenly mixed. The mix does not splash. Ideal for liquid and creamy mix: paints, emulsion paints, gypsum plaster, casting compounds, fibrous materials.                        | WR3L 120x600 M14 | 120 Ø                          | 15 – 25      | 1  | 369.055   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR3L 140x600 M14 | 140 Ø                          | 20 – 40      | 1  | 369.063   | -             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | WR3L 160x600 M14 | 160 Ø                          | 30 – 60      | 1  | 369.071   | -             | -             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Disc paddle SR2<br>     | Two discs with counter-running angled blades create a dynamic flow in the mixing container. The blades on the discs force the material being mixed in opposing directions downwards or upwards. Ideal for mixing liquid to tough material: Paint, emulsion, paste, glue, jointing mortar.                      | SR2 120x600 M14  | 120 Ø                          | 15 – 25      | 1  | 368.938   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | SR2 140x600 M14  | 140 Ø                          | 20 – 40      | 1  | 369.128   | -             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | SR2 160x600 M14  | 160 Ø                          | 30 – 60      | 1  | 369.136   | -             | -             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Beater RB<br>           | Round mixing arms prevent air bubbles from being mixed in. Ideal for all materials where air pockets are to be avoided: filler compounds, fillers, adhesives, sealants.                                                                                                                                        | RB 120x600 M14   | 120 Ø                          | 10 – 30      | 1  | 369.152   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                | RB 140x600 M14   | 140 Ø                          | 30 – 60      | 1  | 369.160   | -             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Mixing paddle, M 14<br> | For larger quantities. Used with an extension rod.                                                                                                                                                                                                                                                             |                  | 120 Ø                          |              | 1  | 124.761   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
| Mixing paddle, M 14<br> | For smaller quantities. Used with an extension rod.                                                                                                                                                                                                                                                            |                  | 70 Ø                           |              | 1  | 124.753   | ■             | ■             | ■        | ■         | -         |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |
|                                                                                                            |                                                                                                                                                                                                                                                                                                                |                  |                                |              |    |           |               |               |          |           |           |

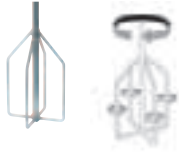
■ suitable  
- not suitable

## Mixers

### Accessories

| Type                                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Designation      | Paddle/<br>Dimensions<br>in mm | Mix<br>in kg | QP | Order no. | MXE 1000/1002 | MXE 1200/1202 | R 600 VV | R 1800 VR | RZ 600 VV | for drill chuck |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------|--------------|----|-----------|---------------|---------------|----------|-----------|-----------|-----------------|
| Mixing paddles I and II, galvanized version<br><br> | Ideal for tough mixtures, adhesive, dual and multi-component resins and plastics, varnish and paint, sealing and insulation material, coating material, ready-mixed mortar, plaster, concrete adhesive, etc. Counter-active mixing: Both mixing heads mesh and blend the mixture with particular intensity.<br><br>Equipment:<br>- Supplied in pairs, adapted for the FLEX positive mixer.<br>For insertion in the positive mixer guides.<br>- 600 mm overall length<br><br>Please note:<br>the mixing head with one marking ring is inserted in fixture I, the mixing head with two marking rings in fixture II.                                                       |                  | 130 Ø                          | 5 – 60       | 1  | 252.200   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
| VORTINOX mixing paddle<br><br>                     | Mixing paddle made of stainless steel. No rust formation, no contamination of the mixture. During the mixing process no air intake, no foam formation, no degassing/heating of the mixture. Gentle mixing at slow circumferential speeds with high intrinsic dynamics, no lump formation. Extremely high resistance to wear and particularly easy and simple to clean. Ideal for light-coloured, covering materials, synthetic resin paints, water-based paints, copper paints, dispersion paints and 2-component paints, exterior paint, stains, glazes, paste. Round spindle D10 for clamping in the chuck. Material: V2A, alloy X5CrNi 18-10 material number 1.4301. | VR 80x320 D 10   | 80 Ø                           | 0,5 – 5      | 1  | 385.301   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | VR 140x520 D 10  | 140 Ø                          | 3 – 15       | 1  | 385.328   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
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|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
| Spiral paddle RR2<br><br>                         | Two negatively arranged spirals force the material down, preventing the liquid material from splashing. Ideal for mixing liquid to tough material: Paint, emulsions, varnishes, glazes, coatings, paste, bitumen.                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RR2 85x400 SW8   | 85 Ø                           | – 10         | 1  | 368.946   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RR2 100x600 SW10 | 100 Ø                          | 8 – 25       | 1  | 368.954   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
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|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
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|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
| Helix paddle WR2<br><br>                          | Two clockwise helices for kneading and mixing tough to pasty materials. The mixer paddle screws itself down forcing the material upwards. Extremely versatile, can be used for: tile adhesive, grout, filler, finished plaster, adhesive mortar, filler compound, floor screed.                                                                                                                                                                                                                                                                                                                                                                                         | WR2 85x500 SW8   | 85 Ø                           | – 10         | 1  | 368.962   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WR2 100x500 SW10 | 100 Ø                          | 8 – 20       | 1  | 368.970   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WR2 120x600 SW10 | 120 Ø                          | 15 – 25      | 1  | 368.989   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
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|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
| Disc paddle SR2<br><br>                           | Two discs with counter-running angled blades create a dynamic flow in the mixing container. The blades on the discs force the material being mixed in opposing directions downwards or upwards. Ideal for mixing liquid to tough material: Paint, emulsion, paste, glue, jointing mortar.                                                                                                                                                                                                                                                                                                                                                                               | SR2 80x500 SW8   | 80 Ø                           | – 10         | 1  | 369.098   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SR2 100x600 SW10 | 100 Ø                          | 8 – 15       | 1  | 369.101   | -             | -             | -        | -         | ■         | -               |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |
|                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                |              |    |           |               |               |          |           |           |                 |

■ suitable  
- not suitable

| Type                                                                                                         | Description                                                                                                                                                             | Designation     | Paddle/<br>Dimensions<br>in mm | Mix<br>in kg | QP | Order no. | MXE 1000/1002 | MXE 1200/1202 | R 600 VV | R 1800 VR | RZ 600 VV | for drill chuck |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|--------------|----|-----------|---------------|---------------|----------|-----------|-----------|-----------------|
| Beater RB<br>               | Round mixing arms prevent air bubbles from being mixed in. Ideal for all materials where air pockets are to be avoided: filler compounds, fillers, adhesives, sealants. | RB 120x600 SW10 | 120 Ø                          | - 15         | 1  | 369.144   | -             | -             | -        | -         | -         | ■               |
| M 14 to M 14 adapter<br>    | For connecting M 14 mixing paddles with external thread to R 500 FR and R 502 FR mixing machines.                                                                       |                 |                                |              | 1  | 255.195   | -             | -             | -        | -         | -         | -               |
| M 18 to M 14 adapter<br>   | For attaching FLEX mixing paddles M 14 to FLEX R 600, R 600 VV and R 1800 VR mixers.                                                                                    |                 |                                |              | 1  | 250.484   | -             | -             | ■        | ■         | -         | -               |
| SDS-plus M 14 adapter<br> | M 14 threaded mixer paddle adapter. Useable with SDS-plus hammer drill.                                                                                                 |                 |                                |              | 1  | 374.091   | -             | -             | -        | -         | -         | -               |
| Extension M 14<br>        | For extension of the mixer spindle and improve the ergonomics of the MXE stirrers, corrosion-resistant.                                                                 | R-V 100 M14 M/F | 100                            |              | 1  | 390.755   | ■             | ■             | ■        | ■         | ■         | -               |
| Extension M 14<br>        | Extension for M 14 mixer paddles.                                                                                                                                       | R-V 200 M14 M/F | 200                            |              | 1  | 374.105   | ■             | ■             | ■        | ■         | -         | -               |
|                                                                                                              | Extension for M 14 mixer paddles. For mixing liquids (paints) in large batches.                                                                                         | R-V 400 M14 M/F | 400                            |              | 1  | 374.113   | ■             | ■             | ■        | ■         | -         | -               |

## FLEX laser measuring technology. Straight to the point.

The introduction of these intelligent helpers has rendered complicated construction aids obsolete. Luminously intense diodes and the high projection precision of the FLEX laser as well as auxiliary devices such as receivers make laser points or laser lines well visible even under poor light conditions and at greater distances.

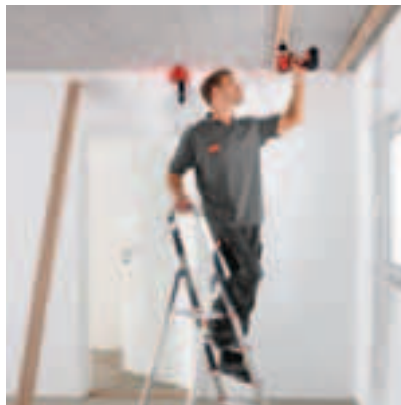
**Laser technology has revolutionised measuring and levelling in the construction industry.**

The tightly bundled laser beam is emitted absolutely straight and makes a precise transfer of heights, angles, and verticals in rooms possible. In building drywall construction and interior work, lasers have now become indispensable.

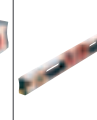
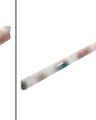
Whether drywall constructors, tile layers, electricians, plumbers, kitchen installers, exhibition stand constructors, carpenters, painters, brick layers, and so forth – FLEX has the appropriate precision laser for every professional craftsman, for every measuring application, and for every construction site:

### Safety information:

FLEX laser measuring devices meet all international safety standards. They comply with laser class 2 or 2M according to DIN EN 60825-1: 2001-11 (wave length 635-670 nm, < 1mW output) and are safe for eyes and skin under normal use. Nevertheless one should never look directly into the laser beam when using laser measuring devices.



## Which laser is right for me?

|                                                                                                    | HIGH-LINE                                                                         |                                                                                   |                                                                                   | BASIC-LINE                                                                        |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                    |  |  |  |  |  |  |  |  |  |  |
|                                                                                                    | ALC 2/1                                                                           | ALC 1-360                                                                         | ALC 2-F                                                                           | ALC 2/1-Basic                                                                     | ALC 3/1-Basic                                                                     | ADM 60                                                                             | ADM 60-T                                                                            | ADL 30                                                                              | ADL 60                                                                              | ADL 120                                                                             |
| Construction above ground                                                                          | ○                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Industrial building construction                                                                   | ●                                                                                 | ●                                                                                 | –                                                                                 | ○                                                                                 | ○                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Gardening and landscaping                                                                          | ○                                                                                 | ○                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | ○                                                                                  | ○                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Windows/doors                                                                                      | ●                                                                                 | ●                                                                                 | –                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Staircase construction                                                                             | ●                                                                                 |                                                                                   | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Dry construction                                                                                   | ●                                                                                 | ●                                                                                 | ○                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Interior decoration                                                                                | ●                                                                                 | ●                                                                                 | ○                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Kitchen and shop fitting                                                                           | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Carpenter                                                                                          | ●                                                                                 | ●                                                                                 | –                                                                                 | ○                                                                                 | ○                                                                                 | ●                                                                                  | ●                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Exhibition stand construction                                                                      | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Electrician                                                                                        | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Heating, sanitation, air-conditioning                                                              | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
| Screed layer                                                                                       | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Tiler                                                                                              | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Plasterer, stuccoworker                                                                            | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Painter, decorator                                                                                 | ●                                                                                 | ●                                                                                 | –                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Laser receiver  | ●                                                                                 | ●                                                                                 | ●                                                                                 | –                                                                                 | –                                                                                 | –                                                                                  | –                                                                                   | –                                                                                   | –                                                                                   | –                                                                                   |
| Large tripod    | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | –                                                                                   |
| Medium tripod   | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   | ●                                                                                   | –                                                                                   |

○ suitable

● ideally suited

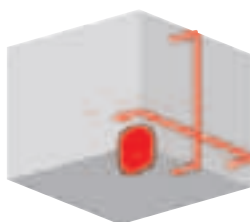




## ALC 2/1-Basic

### The practical cross-line laser

The self-levelling cross-line laser ALC 2/1-Basic produces two crossing laser lines that are projected individually or together in a working area of up to 20 metres, as required. The practical building laser projects well-visible laser lines onto target points indoors to make detailed work plans even more precise. When the self-levelling range is exceeded, a visual warning signal will appear. Self-levelling can be switched off if desired. The transport protection is connected to the on/off switch so that the laser pendulum is always secured when switching off. A high-quality two-component housing additionally protects against damage.



#### Uncoupled laser unit

The laser unit is completely insulated against the housing with rubber bearings. This ensures best transport protection.



#### One-button operation

All functions are selected via a button. Operating errors are thus excluded.



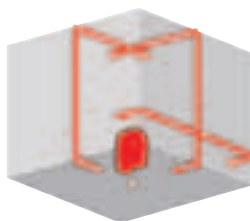
#### 1/4" stand connection thread

For stands with a 5/8" device connection, an adapter (accessory 398.608) or the laser wall holder WB-M/S 1/4 ALC-Basic (accessory 428.167) is needed.

## ALC 3/1-Basic

### The flexible cross-line laser

The self-levelling cross-line laser ALC 3/1-Basic produces a horizontal and two vertical laser lines at a 90 degree angle. The additional plumb function produces a vertical pointed laser beam to support precise work in the wall and ceiling area.



#### Uncoupled laser unit

The laser unit is completely insulated against the housing with rubber bearings. This ensures best transport protection.



#### One-button operation

All functions are selected via a button. Operating errors are thus excluded.



#### 1/4" stand connection thread

For stands with a 5/8" device connection, the laser wall holder included in the basic equipment, WB-M/S 1/4 ALC-Basic, can be used as an adapter.





## ADM 60

### Operator-friendly and compact.

The laser range finder ADM 60 is useful for work in the floor, wall and ceiling areas. Equipped with state-of-the-art laser technology, the ADM 60 not only measures distances between two points, but also areas and volumes. The ADM 60 applies indirect distance measurement to determine precise heights as well. The distance meter can be used flexibly thanks to its compact build. It can easily be taken along in a belt pouch.



**Illuminated display**  
Permits good legibility even in bad lighting. The device switches off on its own after five minutes to increase battery service life.



**High-quality laser unit**  
For specific determination of lengths, areas and volumes.



**1/4" stand connection thread**  
An adapter is needed for stands with a 5/8" device connection (available as accessory 398.608).

## ADM 60-T

### Touch it!

The ADM 60-T is outstandingly suitable for daily use at the construction site with its dirt-resistant touch panel. The ADM 60-T with its storage function for 20 measured values offers additional comfort for calculation and planning.



**Illuminated display**  
Permits good legibility even in bad lighting. The device switches off on its own after five minutes to increase battery service life.



**Modern operation with touch screen**  
The touch operating panel resistant against dirt is ideal for daily construction site use.



**High-quality laser unit**  
For specific determination of lengths, areas and volumes.





## Digital spirit levels with robust magnetic housings and integrated point laser.

The digital levels by FLEX are available in three different lengths: ADL 30, ADL 60 and ADL 120 (30, 60, 120 cm). The spirit levels are designed for daily use at the construction site. They have a robust aluminium housing with integrated permanent magnets. Integrated point lasers provide a visual expansion of the spirit level to permit precise measuring results. The lit display is easy to read and automatically turns by 180° when working overhead. Additionally, the spirit levels have a storage function to transmit up to nine measured values.



### Lit flip display

Permits good legibility even in bad lighting. For simple reading at overhead work, the display automatically swivels by 180°. The device switches off on its own after three minutes to increase battery service life.



### Hold function

The determined inclination can be held by the push of a button. For simple transfer.



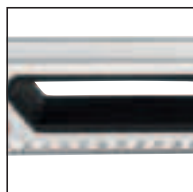
### Precise to the point

For visual expansion of the spirit level, a point laser can be activated (30 mm offset from the lower edge).



### High-quality spirit levels

One horizontal and vertical spirit level each for quick levelling.



### High-precision tool

Milled aluminium measuring area for precise application. Strong permanent magnets ensure perfect fit.



## A matter of precision

The times of the plumb line are finally over.



### Single-hand operation

The simple one-button operation makes it possible to select all functions via one button in the ALC 2/1-Basic cross-line laser. This mostly excludes operating errors.



### Everything in line

The ALC 2/1-Basic just levels itself out. This way, vertical remains vertical and horizontal remains horizontal at all times. For a secure stance, there are two practical stands with a working area of 0.65-1.65 m or alternatively 1.01-3.00 m.



### Crosswise works as well

The ALC 3/1-Basic produces particularly bright laser lines, with a laser cross at the front and a lateral 90° laser line. The 90° alignment of the vertical laser line makes it possible to produce a right angle on the floor, and to project a perpendicular line on inclined walls.



### Stay upright

The ALC 3/1-Basic can be mounted on a stand with 5/8"-thread using the enclosed adapter, or simply attached to a profile, steel girder or the closest steel handrail.

## Measuring, calculating, testing

### Simple handling and particular precision.



#### Always well visible

The lit display of the laser distance meter ADM 60 can be read well even in bad lighting.



#### Because you need to know precisely

The area and volume function in the ADM 60-T with touch screen permits recording room sizes, e.g. for calculating material quantities.



#### A truly magnetic effect

Strong permanent magnets ensure perfect attachment of the digital levels ADL 30, ADL 60 and ADL 120.



#### Classical and digital

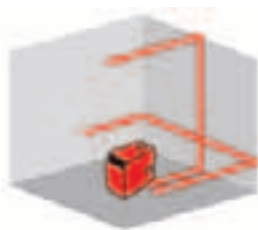
Robust spirit level, equipped with a horizontal and a vertical level tube and digital angle meter. Perfect for the classical use as a spirit level and for measuring inclinations and angles.



## ALC 2/1

### The handy cross-line laser

The versatile ALC 2/1 can project 180° horizontally and vertically laser lines. The integrated pendulum compensator makes a laborious pre-adjustment and precision adjustment unnecessary. The receiver LR 1 can double the range by means of the pulse function. Thanks to the particularly bright laser lines, you can always work precisely even in poor light conditions or over long distances. The ALC 2/1 is extremely robust thanks to its high-quality housing and its perfectly mounted laser unit and is therefore ideal for daily use on the building site.



#### Crystal clear

Specially coated glasses ensure clean and high-precision laser lines.



#### It couldn't be simpler

One-button condition for simple selection of the functions (+ pulse button). Operating errors are therefore excluded.



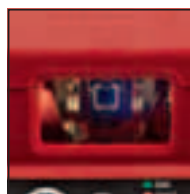
#### Laser wall bracket

Magnetic 90° wall bracket made of aluminium with 1/4" device connection.

## ALC 1-360

### The compact 360° line laser

The ALC 1-360 has a 360° horizontal laser line instead of annoying pulsation like rotation lasers do. The combination of high-quality housing and a perfectly suspended laser unit make the ALC 1-360 a robust tool for daily use at the construction site. The integrated pendulum compensator renders elaborate pre- and fine-adjustment unnecessary. Thanks to the particularly bright laser lines, precise work is possible even in bad lighting or at long distances.



#### Robust and insensitive

Features a powerful laser diode, therefore not a large number of sensitive components. Technical failures are minimised considerably. The specially coated glasses ensure clean and high-precision laser lines.



#### Simple handling

To select all functions, you require one button only (+ pulse button). Operating errors are therefore excluded.



#### 1/4" connection thread for tripods

An adapter is needed for stands with a 5/8" device connection (available as accessory 398.608).





## ALC 2-F

### The robust floor layer laser

The ALC 2-F, with its extremely robust aluminium housing, is perfect for the tough demands of the building site. The four laser lines at a 90° angle enable exact alignment in the room. You can continue working without interruption. The upstream cross hairs facilitate positioning and aligning of the laser. The exceptionally bright laser lines are still very visible even in poor light conditions. The three-point support (20 mm high) provides a firm stand and reduces soiling even in a mortar bed.



#### Crystal clear

Specially coated glasses ensure clean and high-precision laser lines.



#### One-button operation

Easy handling. Operating errors are therefore excluded.



#### Steel ball feet

Low wear and easy to clean. Considerably increases the service life of the power tool.



#### 90° stop angle

15 mm high stop angles for direct application on e.g. floor tiles.

## LR 1

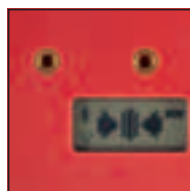
### The practical laser receiver

The LR 1 has an offset notch for the simple transference of reference marks. The on-grade mark is aligned with the laser-on-grade readout and the vertical mark notch. To ensure a flawless mark, the mark is situated near the photo cell. To select the receiver precision, the LR 1 features a precision switch.



#### With a good sound

Features three acoustic signals (can be switched off). Quick signal: Receiver too low. Continuous signal: On grade. Slow signal: Receiver too high.



#### With perspective

An easily legible LCD display is located on the front and back of the device. It indicates the receiver position and the settings of the receiver.



#### Everything balanced

The two points with the receiver on-grade mark for levelling rod measurements are also attached to the receiver holder.

## High-precision work

Versatile in application and easy to handle.



### The head rotates

The ALC 2/1 can also be used with a tripod. The required  $\frac{1}{4}$ " connection is on the underside of the device. When using tripods with a  $\frac{5}{8}$ " connection, the adapter available as an accessory is required. The flexible tripod head of the LKS 65-170 F  $\frac{1}{4}$ " can be steplessly rotated, tilted and swivelled. The integrated circular level facilitates alignment.

### Horizontally and vertically

With the ALC 2/1 you can illuminate a room horizontally and vertically. It is therefore particularly versatile.



### Best reception

The receiver LR 1 can double the range from 30 metres to 60 metres by means of the pulse function of the ALC 2/1.

### Let there be light!

The exceptionally bright laser lines are still highly visible even in poor light conditions

### Runs like clockwork

The specially coated glasses ensure clean and precise laser lines. Ideal for aligning tall cupboards, for example when fitting kitchens.

## Tough boys

Perfect for the daily grind at the construction site.



### Well balanced

The ALC 1-360 projects a continuous 360°-line, which makes handling much simpler than with a typical rotation laser. The device is ready for use at once. The particularly bright laser lines are well visible even at bad lighting.



### Quite slim

With only a 3 cm gap from the upper edge, the ALC 1-360 allows a very low ceiling distance. Ideal when mounting ceiling sub-structures.

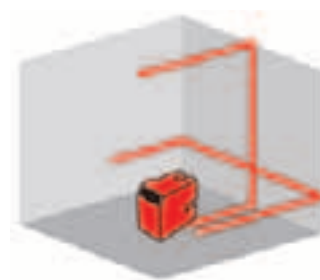


### Through thick and thin

The use of the floor layer laser ALC 2-F means that spirit levels, guide lines and expensive auxiliary constructions are now a thing of the past. The three-point support (20 mm high) provides a firm stand and reduces soiling in a mortar bed. The steel ball feet are easy to clean. The 15 mm high 90° stop angles are ideal for direct application on e.g. floor tiles.

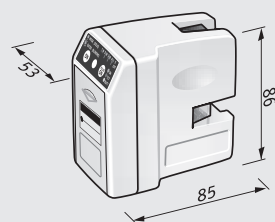
# Measuring technology/laser

ALC 2/1



## SPECIFICATIONS

|                          |                          |
|--------------------------|--------------------------|
| Number of lines          | 1 horizontal/1 vertical  |
| Visible area lines       | 180° horizontal/vertical |
| Precision                | ± 0,3 mm/m               |
| Self-levelling range     | ± 6 °                    |
| Max. working range       | 30 m                     |
| Max. range with receiver | 60 m                     |
| Operation duration       | 25 h                     |
| Temperature range        | -18° - +50 °C            |
| Laser class              | 2                        |
| International Protection | IP 52                    |
| Weight                   | 0,28 kg                  |



## Self-levelling crossline laser

- Two 180° visible laser lines which can be switched individually
- Cross-laser projection
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Self-levelling which can be switched off
- Highly visible laser beam thanks to anti-reflective glass
- Simple On-button operation
- Connectable pulse function for use with receiver
- With pendulum compensator makes a laborious pre-adjustment unnecessary
- ¼" thread for tripod

| Standard equipment                   | Order no. |
|--------------------------------------|-----------|
| ALC 2/1                              | 393.665   |
| Batteries 3x AA                      | 1 set     |
| 1 wall bracket magnetic WB-M 1/4-ALC | 393.630   |
| 1 belt pouch BEP ALC 2/1             | 393.622   |
| 1 carrying case                      | 393.908   |

Accessories page 293





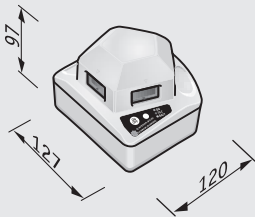
360° line laser for highest demands

- A visible 360° laser line
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Highly visible laser beam thanks to anti-reflective glass
- Simple On-button operation
- Connectable pulse function for use with receiver
- With pendulum compensator makes a laborious pre-adjustment unnecessary
- ¼" thread for tripod



SPECIFICATIONS

|                          |                 |
|--------------------------|-----------------|
| Number of lines          | 1 horizontal    |
| Visible area lines       | 360° horizontal |
| Precision                | ± 0,1 mm/m      |
| Self-levelling range     | ± 8 °           |
| Max. working range       | 30 m            |
| Max. range with receiver | 60 m            |
| Operation duration       | 35 h            |
| Temperature range        | -18° - +50 °C   |
| Laser class              | 2               |
| International Protection | IP 52           |
| Weight                   | 0,45 kg         |



| Standard equipment                | Order no. |
|-----------------------------------|-----------|
| ALC 1-360                         | 393.681   |
| Batteries 3x D                    | 1 set     |
| 1 wall/ceiling holder WBC 1/4-ALC | 393.614   |
| 1 carrying case                   | 393.649   |

# Measuring technology/laser ALC 2-F



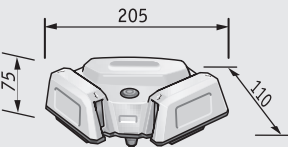
## SPECIFICATIONS

|                          |                |
|--------------------------|----------------|
| Number of lines          | 2 at 90° angle |
| Visible area lines       | 90° angle      |
| Precision                | ± 0,3 mm/ m    |
| Max. working range       | 20 m           |
| Operation duration       | 10 h           |
| Temperature range        | -10° - +50 °C  |
| Laser class              | 2              |
| International Protection | IP 54          |
| Weight                   | 1,09 kg        |



## Floor layer laser

- Two visible laser lines at 90° angle in front of and behind the device
- Highly visible laser beam thanks to anti-reflective glass
- Robust aluminium housing with integrated stop rail and three steel ball device feet



| Standard equipment        | Order no. |
|---------------------------|-----------|
| ALC 2-F                   | 393.673   |
| 2 target plates red FTR-M | 393.606   |
| Batteries 3x AA           | 1 set     |
| 1 carrying case           | 393.657   |

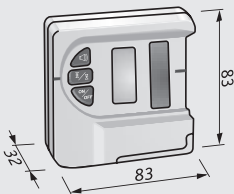


Laser receiver

- Receiver for horizontally and vertically pulsed laser lines.  
Can be used with ALC 1-360 and 2/1
- Adjustable display precision
- Display on front and back
- Acoustic signal which can be switched off when laser received
- Floor level mark (on-Grade)

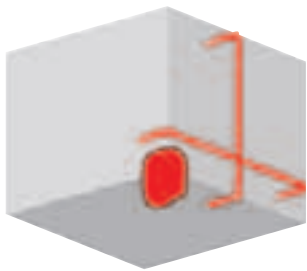
SPECIFICATIONS

|                          |                        |
|--------------------------|------------------------|
| Number of lines          | 2 at 90° angle         |
| Working range            | 30 - 75 m              |
| Precision                | I=0,75 mm / II=1,75 mm |
| Operation duration       | 30 h                   |
| Temperature range        | -20° - +60 °C          |
| International Protection | IP 54                  |
| Weight                   | 0,14 kg                |



| Standard equipment | Order no. |
|--------------------|-----------|
| LR 1               | 393.703   |
| Batteries 9V-unit  | 1 set     |
| 1 holder SC LR 1   | 394.017   |

# Measuring technology/laser ALC 2/1-Basic



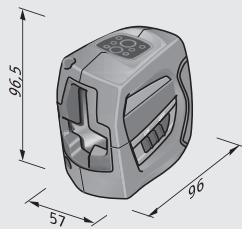
## SPECIFICATIONS

|                          |                         |
|--------------------------|-------------------------|
| Number of lines          | 1 horizontal/1 vertical |
| Visible area lines       | 90°                     |
| Precision                | ± 0,3 mm/m              |
| Self-levelling range     | ± 4 °                   |
| Max. working range       | 20 m                    |
| Operation duration       | 6 h                     |
| Temperature range        | -5° - +50 °C            |
| Laser class              | 2                       |
| International Protection | IP 54                   |
| Weight                   | 0,42 kg                 |

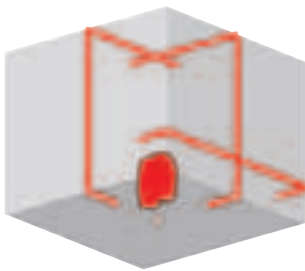


## Self-levelling crossline laser

- With an individually switchable horizontal and vertical laser line
- The exceptionally bright laser lines are still highly visible even in poor light conditions
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Self-levelling which can be switched off
- Simple On-button operation
- Transportation lock
- ¼" thread for tripod



| Standard equipment | Order no. |
|--------------------|-----------|
| ALC 2/1-Basic      | 409.235   |
| Batteries 3x AA    | 1 set     |
| 1 carrying bag     | 1 piece   |



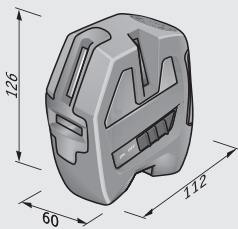
Self-levelling crossline laser

- With one horizontal and two vertical laser lines at a 90° angle plus plumb, can be switched individually
- Plumb function
- The exceptionally bright laser lines are still highly visible even in poor light conditions
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Self-levelling which can be switched off
- Simple On-button operation
- Transportation lock
- 1/4" thread for tripod
- Ideal for aligning the framework



SPECIFICATIONS

|                          |                                    |
|--------------------------|------------------------------------|
| Number of lines          | 1 horizontal/2 vertical plus plumb |
| Visible area lines       | 90°                                |
| Precision                | ± 0.3 mm/m (plumb ± 0,6 mm/m)      |
| Self-levelling range     | ± 4 °                              |
| Max. working range       | m20 m / plumb 5                    |
| Operation duration       | 6 h                                |
| Temperature range        | -5° - +50 °C                       |
| Laser class              | 2                                  |
| International Protection | IP 54                              |
| Weight                   | 0,58 kg                            |



| Standard equipment                           | Order no. |
|----------------------------------------------|-----------|
| ALC 3/1-Basic                                | 409.243   |
| 1 wall bracket magnetic WB-M/S 1/4 ALC-Basic | 428.167   |
| Batteries 3x AA                              | 1 set     |
| 1 carrying bag                               | 1 piece   |

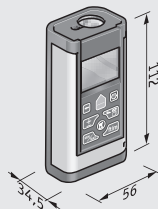


# Measuring technology/laser ADM 60



## SPECIFICATIONS

|                          |                    |
|--------------------------|--------------------|
| Precision                | ± 2 mm             |
| Max. working range       | 0,1 - 60 m         |
| Laser class              | 2                  |
| Size ( W x L x H )       | 112 x 56 x 34,5 mm |
| International Protection | IP 54              |
| Weight                   | 0,19 kg            |



## Laser range finder

- Quick determination of dimensions on construction sites
- Simple operation
- Length, area and volume calculation
- Determining heights with indirect distance measurement (single and double pythagoras)
- Continuous measuring mode
- Switchable units of measurement in m/mm, inches/feet
- Has 4 reference points
- Minimum / maximum function
- Automatic stop
- Illuminated display
- Dust- and splash-proof housing
- ¼" connection thread for tripods

| Standard equipment | Order no. |
|--------------------|-----------|
| ADM 60             | 409.154   |
| Batteries 4x AAA   | 1 set     |
| 1 carrying bag     | 1 piece   |



Laser range finder with touchscreen

- Quick determination of dimensions on construction sites
- Simple operation
- Length, area and volume calculation
- Determining heights with indirect distance measurement (single and double pythagoras)
- Continuous measuring mode
- Switchable units of measurement in m/mm, inches/feet
- Has 4 reference points
- Storage function of 20 values
- Minimum / maximum function
- Automatic stop
- Illuminated display
- Dust- and splash-proof housing
- ¼" connection thread for tripods



SPECIFICATIONS

|                          |                  |
|--------------------------|------------------|
| Precision                | ± 2 mm           |
| Max. working range       | 0,1 - 60 m       |
| Laser class              | 2                |
| Size ( W x L x H)        | 115 x 56 x 31 mm |
| International Protection | IP 54            |
| Weight                   | 0,18 kg          |



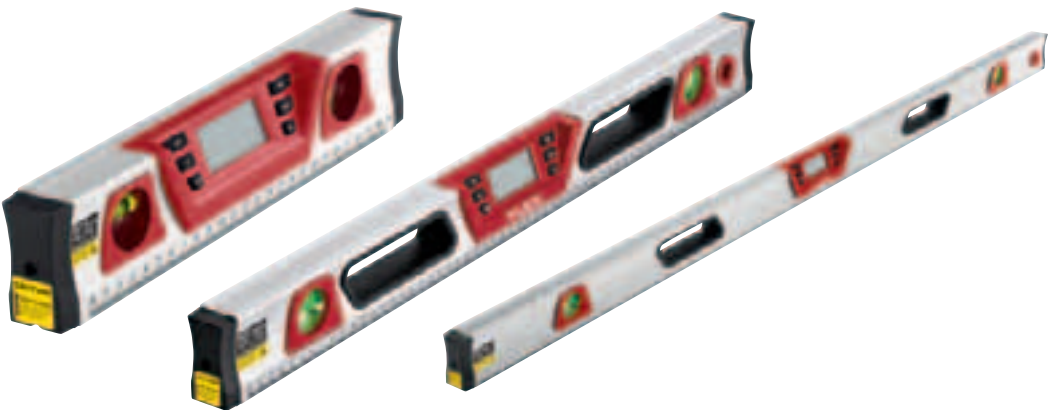
| Standard equipment | Order no. |
|--------------------|-----------|
| ADM 60-T           | 409.162   |
| Batteries 4x AAA   | 1 set     |
| 1 carrying bag     | 1 piece   |

# Measuring technology/laser

ADL 30

ADL 60

ADL 120



## SPECIFICATIONS

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Precision                 | $\pm 0,1^{\circ} / 0^{\circ} + 90^{\circ}, \pm 0,2^{\circ} / 2^{\circ} + 89^{\circ}$ |
| Precision bubble tube     | $\pm 0,5^{\circ}$ mm/m                                                               |
| Laser class               | 2                                                                                    |
| International Protection  | IP 54                                                                                |
| Size ( W x L x H) ADL 30  | 300 x 30 x 60 mm                                                                     |
| Weight ADL 30             | 0,4 kg                                                                               |
| Size ( W x L x H) ADL 60  | 600 x 30 x 60 mm                                                                     |
| Weight ADL 60             | 0,8 kg                                                                               |
| Size ( W x L x H) ADL 120 | 1220 x 30 x 60 mm                                                                    |
| Weight ADL 120            | 1,2 kg                                                                               |

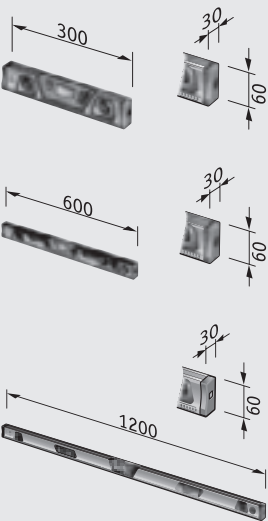


## Digital spirit level

- Digital spirit level for easy levelling
- Vertical and horizontal bubble tube
- With point laser for optical extension of the spirit level (offset by 30 mm)
- High measurement precision
- Switchable units of measurement for inclination in degrees, inches/feet or as percentage
- Switchable display when working overhead
- Storage function for transferring angles
- Automatic switch off after 5 minutes
- With calibration function
- Robust, magnetic aluminium housing with milled contact surfaces

## For ADL 30, 60

- 1/4" connection thread for tripods



| Standard equipment | Order no.      |
|--------------------|----------------|
| <b>ADL 30</b>      | <b>409.189</b> |
| Batteries 2x AAA   | 1 set          |
| 1 carrying bag     | 1 piece        |
| <b>ADL 60</b>      | <b>409.197</b> |
| Batteries 2x AAA   | 1 set          |
| 1 carrying bag     | 1 piece        |
| <b>ADL 120</b>     | <b>409.200</b> |
| Batteries 2x AAA   | 1 set          |
| 1 carrying bag     | 1 piece        |



Laser tripod

- Stable elevator tripod with adjustable crank column and extractor column. With 5/8" connection and rubber feet which can be unscrewed. Very handy, when pushed together only 1.10 m with carrying strap
- Work area from 1,01 to 3,00 m
- Adjusting range of the clamping column 0,36 m
- Adjusting range of the extraction column 0,43 m
- Adapter 5/8" internal thread on 1/4" included

| SPECIFICATIONS    |               |
|-------------------|---------------|
| Working range     | 1,01 - 3,00 m |
| Connection thread | 5/8"          |
| Weight            | 5,7 kg        |



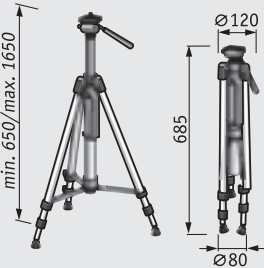
| Standard equipment        | Order no. |
|---------------------------|-----------|
| LKS 100-300 5/8           | 398.616   |
| 1 carrying strap          | 1 piece   |
| 1 adapter LAD 5/8 I-1/4 A | 398.608   |

Measuring technology/laser  
LKS 65-170 F 1/4



SPECIFICATIONS

|                   |               |
|-------------------|---------------|
| Working range     | 0,65 - 1,65 m |
| Connection thread | 1/4"          |
| Weight            | 1,4 kg        |



Laser tripod

- 1,4 kg light-weight elevator tripod made of aluminium with 1/4" connection. Rotating and tilting tripod head, including carrying bag
- Work area from 0,65 – 1,65 m

| Standard equipment | Order no. |
|--------------------|-----------|
| LKS 65-170 F 1/4   | 398.624   |
| 1 carrying bag     | 1 piece   |



| Type                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Designation                                    | QP          | Order no.                     | ALC 2/1-Basic | ALC 3/1-Basic | ADM 60/ADM 60-T | ADL 30/60   | ALC 2/1     | ALC 1-360   | ALC 2-F     |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------|-------------------------------|---------------|---------------|-----------------|-------------|-------------|-------------|-------------|
| Laser receiver holder<br>   | For attachment of the laser receiver with 2 clamping jaws for fixing on levelling rules.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SC LR 1                                        | 1           | 394.017                       | -             | -             | -               | -           | -           | -           | -           |
| Laser wall bracket<br>      | Magnetic 90° wall bracket made of aluminium with ¼" device connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | WB-M 1/4-ALC                                   | 1           | 393.630                       | ■             | ■             | ■               | ■           | ■           | ■           | -           |
| Laser wall bracket<br>      | Magnetic wall bracket made of plastic with ¼" and ⅝" device connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | WB-M/S 1/4 ALC-Basic                           | 1           | 428.167                       | ■             | ■             | -               | -           | ■           | -           | -           |
| Wall and ceiling mount<br> | Adjustable wall and ceiling holder with additional clamping function. ¼" device connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WCB 1/4-ALC                                    | 1           | 393.614                       | ■             | ■             | ■               | ■           | ■           | ■           | -           |
| Laser target plate<br>    | Amplifies the projection of the red laser beam over long distances or in a bright environment. Magnetic and can be set up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FTR-M                                          | 1           | 393.606                       | ■             | ■             | -               | -           | ■           | ■           | -           |
| Belt pouch<br>            | Belt pouch for ALC 2/1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BEP ALC 2/1                                    | 1           | 393.622                       | -             | -             | -               | -           | ■           | -           | -           |
| Carrying case<br>         | Suitable for laser ALC 2/1 and receiver with holder.<br>Suitable for laser ALC 1-360 and receiver with holder.<br>Suitable for laser ALC 2-F with additional compartment for ALC 2-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TK-S ALC 2/1<br>TK-S ALC 1-360<br>TK-S ALC 2-F | 1<br>1<br>1 | 393.908<br>393.649<br>393.657 | -<br>-<br>-   | -<br>-<br>-   | -<br>-<br>-     | -<br>-<br>- | ■<br>-<br>■ | -<br>■<br>- | -<br>-<br>■ |
| Carrying case L-BOXX®<br> | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatably simple connection and disconnection of the different L-BOXX®es optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert. | TK-L 238                                       | 1           | 414.093                       | -             | -             | -               | -           | ■           | ■           | ■           |
| Case insert<br>           | Suitable insert for carrying case L-BOXX® 238 for the three lasers with laser receiver and accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TKE 3xALC + LR 1                               | 1           | 399.264                       | -             | -             | -               | -           | ■           | ■           | ■           |
| Laser tripod adapter<br>  | ⅝" internal thread on ¼" external thread for using the laser on the elevator tripod (398.616).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LAD 5/8 I-1/4 A                                | 1           | 398.608                       | ■             | ■             | ■               | ■           | ■           | ■           | ■           |

■ suitable  
- not suitable



## Tools for painted surface finishing.

What a perfect finish needs is a fine touch, special machinery and the right accessories. After all, in either the garage or vehicle paint shops it is a question of getting to grips with everything at all times. The FLEX surface finishing programme provides the optimum solution – and gleaming results – for the most varied of requirements.

|                           |     |
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## FLEX. The polishing specialist.

Whether it is a matter of polishing, paint care, sealing or one of scratches or holograms, we not only have the optimum machinery but can also help you in all questions concerning painted surfaces. Demands are being constantly placed on vehicle paintwork from weather and air pollution, on the one hand, and from mechanical effects, on the other. The consequences come in the form of fading and scratches. Parts of the paint surface are lacklustre and dull. The damage is particularly conspicuous on dark shades and under the sun's rays. Just as annoying are hologram effects. Although very small, they still leave dull, greyish traces on the paint surface – just like a film of grease.

Another preliminary remark: Before you repair paint damage and defects, you should first prepare the surface as usual by sanding it with the appropriate grain size. After all activities we also recommend wiping the surface with the microfibre cloth to remove polish residue. It is also important that you know the different effects of lambswool and sponge. Although soft and fleecy lambswool (TopWool) is still regarded as particularly suitable for repolishing, it is in reality extremely aggressive. As the polishing agent is deposited intensively on and around the individual fibres, the effect of the polish is increased many times. Therefore, polishing with lambswool, in comparison with sponge, requires less time and generates less heat.





## Which polisher best meets my requirements?

For “coated surfaces” FLEX has the ideal polishing solution for every application.

### 1. The soft powerhouses

High torque at low speed. That is the hallmark of the gentle power packs from FLEX. Even when starting at the lower speed range you can feel the power. Powerful and cool, so you can polish even the most demanding surfaces. The very quiet operating noise is especially pleasant. Professionals have appreciated this for years with our legendary L 602 VR and our PE 14-2 150 and PE 14-1 180 will also inspire you.

### 2. The allrounders

A wide speed range from 1100/1200/min to 3700/min is what distinguishes these small and handy allrounders from FLEX. You can choose between our classic L 1503 VR with sliding switch and grip hood and the ergonomic version PE 14-3 125 with slim grip and accelerator switch.

### 3. The orbital

With their combined rotary and eccentric movement, the orbital polishers simulate the movement of the human hand. This keeps the surface cool and the finish perfect. Not only are coated surfaces well sealed and treated, they can also be polished with no holograms forming. Orbital polishers are also superb for removing polishing smears and holograms.

### 4. The specialists

The polisher L 1202 is especially suitable for applications with wood or stainless steel. This machine uses extra large buffing wheels, polishing mops and brushes. Above all, very small, narrow and hard-to-reach places can be optimally finished with the PE 8-4 80.

|                                | Power packs                                                                                        |                                                                                                    |                                                                                                 | All-rounder                                                                                        |                                                                                                   | Orbital                                                                                              |                                                                                                       | Specialist                                                                                      |                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|                                | <br>PE 14-2 150 | <br>PE 14-1 180 | <br>L 602 VR | <br>PE 14-3 125 | <br>L 1503 VR | <br>XC 3401 VRG | <br>XFE 7-15 150 | <br>L 1202 | <br>PE 8-4 80 |
| Power input in watts           | 1400                                                                                               | 1400                                                                                               | 1500                                                                                            | 1400                                                                                               | 1200                                                                                              | 900                                                                                                  | 700                                                                                                   | 1600                                                                                            | 800                                                                                                |
| Max. polishing pad diameter mm | 200                                                                                                | 250                                                                                                | 220                                                                                             | 160                                                                                                | 140                                                                                               | 160                                                                                                  | 200                                                                                                   | 250                                                                                             | 80                                                                                                 |
| No load speed rpm              | 380-2100                                                                                           | 250-1350                                                                                           | 400-2400                                                                                        | 1100-3700                                                                                          | 1200-3700                                                                                         | 160-480                                                                                              |                                                                                                       | 1750                                                                                            | 1300-3900                                                                                          |
| Weight kg                      | 2.3                                                                                                | 2.3                                                                                                | 3.3                                                                                             | 2.2                                                                                                | 1.9                                                                                               | 2.6                                                                                                  |                                                                                                       | 5.1                                                                                             | 1.8                                                                                                |
| Available as a set             | yes                                                                                                | no                                                                                                 | yes                                                                                             | yes                                                                                                | no                                                                                                | yes                                                                                                  | yes                                                                                                   | no                                                                                              | no                                                                                                 |
| Drive                          | Rotary                                                                                             | Rotary                                                                                             | Rotary                                                                                          | Rotary                                                                                             | Rotary                                                                                            | rotary orbital                                                                                       | Random orbit                                                                                          | Rotary                                                                                          | Rotary                                                                                             |



POLISH**FLEX**



## POLISHFLEX. Developed by professionals for professionals.

The POLISHFLEX is perfectly adapted to user requirements. Motor and gear unit both operate extremely quietly. The optimum speed range and the high torque are ideally suited for processing sensitive surfaces. Thanks to the ergonomic design and low weight, even difficult areas can be easily reached and processed. The maximum polishing pad diameter is Ø 200 mm (PE 14-2 150), Ø 250 mm (PE 14-1 180) enabling horizontal and vertical surfaces to be processed quickly and comfortably.



### 2-speed gearbox

The gear unit is combination of planetary and lapped angular gear units. Planetary gear units can transmit very high torques despite their very compact design. Extremely low noise level, even under load.



### No blowing air

There is no annoying exhaust air for the user.



### Can be held lower

The machine has a flat gear head to keep the distance from the surface as small as possible. The machine can therefore be operated safely in any position.



### With a lot of feeling

Accelerator switch for a slow and sensitive start and a lock for continuous running.



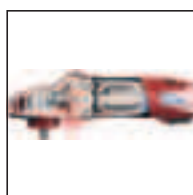
### It has grip

The grip hood with SoftGrip has been ergonomically designed for optimum and precise guidance. If required, a handle can be attached to the side (included as standard equipment).



### Always a turn for the better

Microprocessor electronics with stepless speed preselection.



### Always keeps a cool head

Powerful 1400 watt motor with highly efficient fan for optimum air flow. The optimized air ducting system ensures the best possible cooling of gear unit and motor.



### Easy to operate

The spindle lock is ideally positioned to prevent operating errors and does not interfere with the grip area.

## *POLISH***FLEX** PE 14-2 150 Enjoys an excellent reputation.



What have the RUF CTR3 super sports car and the new POLISHFLEX in common? Both have been developed to achieve absolute best values in the areas of drive, gear unit, motor output and durability but with the difference that one of them must perform quickly on the asphalt and the other very “gently” on the surface. In addition to its intrinsic values, the new POLISHFLEX also has a slim and “sportslike” design allowing it to be reliably “steered” even into the most difficult places.

## Small, black, strong



### Especially handy

The flat gear head with SoftGrip ensures that you have a secure footing and superb handling. The POLISHFLEX can therefore always be controlled safely and comfortably.



### Perfectly balanced

The POLISHFLEX runs very quietly. The noise level has been optimized to such an extent that it is hardly noticeable even under load.



### Can be held lower

Thanks to its flat design and optimized weight, the PE 14-2 150 can be guided safely even in difficult areas.



### Always on the move

FLEX microfibre cloths remove residue reliably and extremely gently. TIP: After each application excess polish should be removed from the surface.



### Just in case

The maximum polishing pad diameter is Ø 200 mm (PE 14-2 150), enabling horizontal and vertical surfaces to be processed quickly and reliably.



### With a lot of feeling

Thanks to the microprocessor electronics with stepless speed selection of 380–2100 rpm (PE 14-2 150), even sensitive materials, such as carbon, can be processed gently.



## The large-scale master. Polishing with the PE 14-1 180. As if you were on holiday.



The PE 14-1 180 is characterised in particular by its enormous torque and the extremely low noise level. High load capacity thanks to optimised cooling – above all at the lower speed range. The accelerator switch enables polishing to be started gently and slowly.



### Over the horizon

The maximum polishing pad diameter is Ø 250 mm, enabling horizontal and vertical surfaces to be processed quickly and reliably.



### Always stay cool!

Problem surfaces, which e.g. are sensitive to heat, can be worked optimally even at the lowest speed thanks to the high torque.



### Working flat out

The small gap between the surface and the flat gear head is reassuring especially in sensitive and difficult areas.



## A real high-flyer

Everybody gets a lift with the power of the PE 14-1 180.



Especially when working on aeroplanes, the low weight and perfect handling enables you to polish large vertical and horizontal areas comfortably and effortlessly using polishing bodies up to Ø 250 mm.



### Ultra light-weight

Thanks to its ergonomic design and the low weight, difficult areas can be easily reached and worked in almost all locations.



### Small but really fine

Light-weight, handy and very quiet. These are the advantages of the PE 14-1 180 when it involves working large areas.



### A neat job

With a weight of only 2.3 kg, the PE 14-1 180 is one of the lightest polishers in its class. Even large vertical areas are child's play.



## XFE 7-15 150. The “free-spinning” finishing specialist

The FLEX orbital polisher XFE 7-15 150 is particularly suitable for perfect surface finishing. Holograms are also prevented thanks to the free running and a 15 mm stroke. Surface temperatures remain low and this provides additional protection for the varnish. The machine is very easy to handle and is therefore the ideal supplement for a two-stage polishing process. In particular, the XFE 7-15 150 impresses with its very quiet running. The 710 watt motor is designed for high operational performance and a long service life.



### Can be held lower

The machine has a flat gear head to keep the distance from the surface as small as possible. The machine can therefore be operated safely in any position.



### Perfectly coordinated

The cushioned special velcro plate (for XFE 7-15 150 only) is suitable for sponges from min. Ø 150 mm.



### It has grip

The grip hood with SoftGrip has been ergonomically designed for optimum and precise guidance. If required, a handle can be attached to the side (included as standard equipment).



### With a lot of feeling

Accelerator switch for a slow and sensitive start and a lock for continuous running.



### Always keeps a cool head

Powerful 710 watt motor with highly efficient fan for optimum air throughput. The optimised airflow provides the best possible cooling effect for the gears and the motor.



### Always a turn for the better

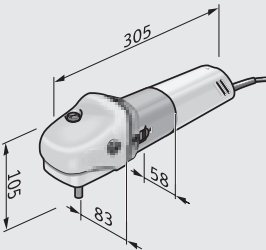
Microprocessor electronics with stepless speed preselection.

Polishers  
PE 8-4 80



SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. polishing pad diameter | 80 mm         |
| Max. back-up pad diameter   | 75 mm         |
| No load speed               | 1300-3900 rpm |
| Power input                 | 800 watt      |
| Power output                | 350 watt      |
| Tool fixture                | M 14          |
| Cable length                | 4,0 m         |
| Weight                      | 1,8 kg        |



Polisher for small areas

- VR electronic control: with tachogenerator constant speed control, soft start, overload protection and speed selection
- Lightweight and easy-to-use on small surfaces, tight spaces and head lights
- Spindle lock

| Standard equipment | Order no. |
|--------------------|-----------|
| PE 8-4 80          | 405.817   |
| 1 side handle      | 194.034   |



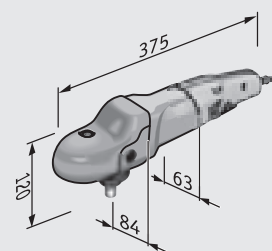
### Ergonomic polisher with speed control trigger

- VR microprocessor control: with tachogenerator constant speed control, soft start, continuous speed control trigger, restart protection after power failure, overload protection, temperature monitoring and speed selection
- Accelerator switch for a slow and gentle start
- With its wide speed range it is perfect for working with polishing pads from Ø 80 mm upto max Ø 160 mm
- Recommended polishing pad Ø 140 mm
- Ergonomic design
- Slim shaft handle and ergonomic grip cover to optimise handling and reduce fatigue when polishing
- 4 metres PUR H05-BQF cable: wear-resistant, flexible and highly resistant to cuts and abrasions
- Spindle lock



### SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. polishing pad diameter | 160 mm        |
| Max. back-up pad diameter   | 125 mm        |
| No load speed               | 1100-3700 rpm |
| Power input                 | 1400 watt     |
| Power output                | 880 watt      |
| Tool fixture                | M 14          |
| Size (L x H)                | 375 x 120 mm  |
| Cable length                | 4,0 m         |
| Weight                      | 2,2 kg        |



| Standard equipment                          | Order no.      |
|---------------------------------------------|----------------|
| <b>PE 14-3 125</b>                          | <b>406.813</b> |
| 1 side handle                               | 252.721        |
| <b>PE 14-3 125 Set</b>                      | <b>407.569</b> |
| 1 side handle                               | 252.721        |
| 1 velcro pad 125 Ø                          | 350.737        |
| 1 polishing sponge PS-B 160                 | 376.396        |
| 1 polishing sponge PS-W 160                 | 376.434        |
| 1 microfibre polishing cloth MW-C           | 317.098        |
| 1 fine polishing compound P 03/06-LD 250 ml | 403.377        |
| 1 polishing compound P 05/04-LD 250 ml      | 403.369        |



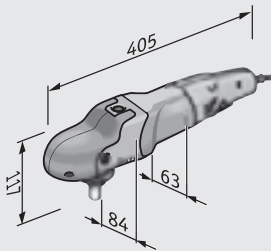
# Polishers

## PE 14-1 180



### SPECIFICATIONS

|                             |              |
|-----------------------------|--------------|
| Max. polishing pad diameter | 250 mm       |
| Max. back-up pad diameter   | 180 mm       |
| No load speed               | 250-1380 rpm |
| Power input                 | 1400 watt    |
| Power output                | 880 watt     |
| Tool fixture                | M 14         |
| Size (L x H)                | 405x117 mm   |
| Cable length                | 4,0 m        |
| Weight                      | 2,3 kg       |



### Polisher with high torque for processing large painted surfaces

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start protection and temperature monitoring.
- Powerful 1400 watt motor with highly-efficient ventilator for optimum cooling
- Continuous speed control trigger: for a gentle start (starting speed at setting 1 (250 rpm)) and a lock-on for continuous operation.
- Optimised air ducting for optimum cooling of motor and gear. No annoying exhaust air for the user
- Innovative combination of planetary and angular gears reduces noise to an absolute minimum
- Flat gear head reduces distance to the surface. The machine can therefore be operated safely in any position.
- Grip hood: ergonomically shaped with SoftGrip. The machine can be controlled with precision and is always comfortable yet secure to hold.
- Spindle lock: It is ideally positioned to prevent operating error and does not interfere with the grip area.
- With rubberised resting bar for safe setting down
- Especially for processing large horizontal and vertical areas. For the automotive, maritime and aviation areas
- Polishes at extremely low revolutions and high torque, e.g. for heat-sensitive surfaces
- 4 metres PUR H05-BQF cable: wear-resistant, flexible and highly resistant to cuts and abrasions

| Standard equipment | Order no. |
|--------------------|-----------|
| PE 14-1 180        | 395.749   |
| 1 handle           | 252.721   |

Accessories from page 318



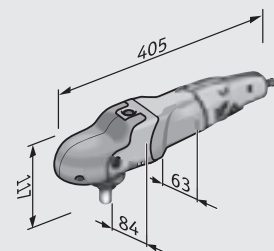
### POLISHFLEX, variable-speed polisher with a high torque

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start protection and temperature monitoring.
- Powerful 1400 watt motor with highly-efficient ventilator for optimum cooling
- Continuous speed control trigger: for a gentle start (starting speed at setting 1 (380 rpm)) and a lock-on for continuous operation
- Optimised air ducting for optimum cooling of motor and gear. No annoying exhaust air for the user
- Innovative combination of planetary and angular gears reduces noise to an absolute minimum
- Flat gear head reduces distance to the surface. The machine can therefore be operated safely in any position.
- Grip hood: ergonomically shaped with SoftGrip. The machine can be controlled with precision and is always comfortable yet secure to hold.
- Spindle lock: It is ideally positioned to prevent operating error and does not interfere with the grip area.
- With rubberised resting bar for safe setting down
- 4 metres PUR H05-BQF cable: wear-resistant, flexible and highly resistant to cuts and abrasions



### SPECIFICATIONS

|                             |              |
|-----------------------------|--------------|
| Max. polishing pad diameter | 200 mm       |
| Max. back-up pad diameter   | 150 mm       |
| No load speed               | 380-2100 rpm |
| Power input                 | 1400 watt    |
| Power output                | 880 watt     |
| Tool fixture                | M 14         |
| Size (L x H)                | 405x117 mm   |
| Cable length                | 4,0 m        |
| Weight                      | 2,3 kg       |



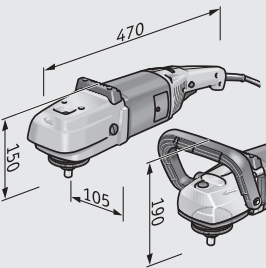
| Standard equipment                          | Order no.         |
|---------------------------------------------|-------------------|
| <b>PE 14-2 150</b>                          | <b>373.680</b>    |
| 1 handle                                    | 252.721           |
| <b>PE 14-2 150 Set</b>                      | <b>376.175</b>    |
| 1 handle                                    | 252.721           |
| 1 velcro backing pad, cushioned, Ø 150 mm   | 350.745           |
| 1 polishing sponge PS-B 160                 | 376.396           |
| 1 polishing sponge PS-BL 160                | 376.469           |
| 1 lambswool TW-PT 160                       | 376.523           |
| 1 microfibre cloth MW-P                     | 376.531           |
| 1 fine polishing compound P 03/06-LD 250 ml | 403.377           |
| 1 polishing compound P 05/04-LD 250 ml      | 403.369           |
| 1 carrying case                             | 377.198           |
| 2 case inserts                              | 377.201 / 377.228 |

Polishers  
L 602 VR



SPECIFICATIONS

|                             |              |
|-----------------------------|--------------|
| Max. polishing pad diameter | 220 mm       |
| Max. back-up pad diameter   | 175 mm       |
| No load speed               | 400-2400 rpm |
| Power input                 | 1500 watt    |
| Power output                | 1000 watt    |
| Tool fixture                | M 14         |
| Cable length                | 4,0 m        |
| Weight                      | 3,5 kg       |

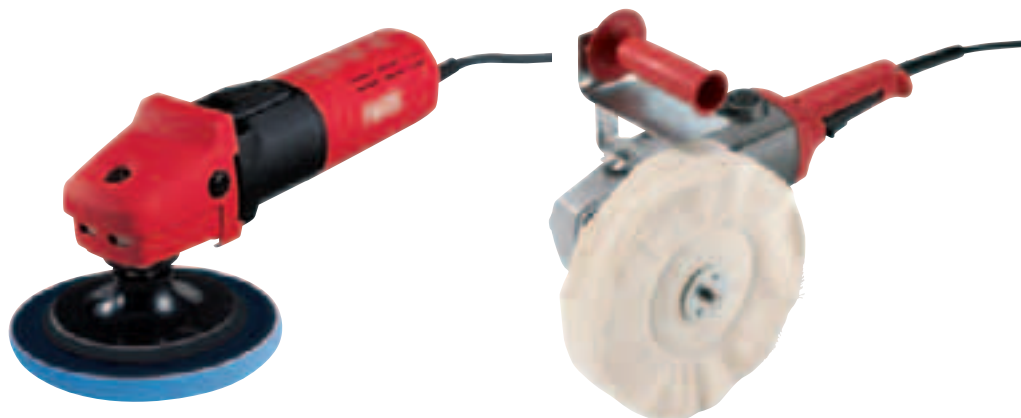


Variable-speed polisher with a high torque

- VR electronics: stepless speed selection, constant speed control by means of tachogenerator, overload protection and temperature monitor
- Accelerator switch for a slow and gentle start
- Powerful 1500 watt motor with high degree of efficiency
- Integrated air deflection: protects against direct air flow
- Perfect cooling for heavy-duty use.
- Optimum handling by balanced weight distribution and 3 grip variants, depending on use
- Rubber rest bar protects machine and surface of workpiece when changing pads
- Spindle lock

| Standard equipment | Order no. |
|--------------------|-----------|
| L 602 VR           | 329.800   |
| 1 side handle      | 252.721   |
| 1 bail handle      | 287.709   |

Accessories from page 318



### Polisher with a wide speed range

- VR electronic control: with tachogenerator constant speed control, soft start, overload protection and speed selection
- With its wide speed range it is perfect for working with polishing pads from Ø 80 mm upto max Ø 140 mm
- On/off switch
- Spindle lock
- This machine is also available in 110 V



### SPECIFICATIONS L 1503 VR

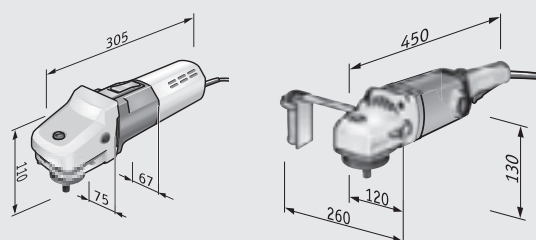
|                             |               |
|-----------------------------|---------------|
| Max. polishing pad diameter | 140 mm        |
| Max. back-up pad diameter   | 125 mm        |
| No load speed               | 1200-3700 rpm |
| Power input                 | 1200 watt     |
| Power output                | 700 watt      |
| Cable length                | 4,0 m         |
| Weight                      | 1,9 kg        |

### Powerful low-speed polisher, 1600 watt

- High-performance motor: can handle extreme loads
- Low speed, high torque
- Rugged metal composite housing for optimum heat dissipation
- For continuous use with large polishing heads for brushing, polishing and buffing wood and stainless steel
- On/off switch
- Spindle lock

### SPECIFICATIONS L 1202

|                             |           |
|-----------------------------|-----------|
| Max. polishing pad diameter | 250 mm    |
| Max. back-up pad diameter   | 175 mm    |
| No load speed               | 1750 rpm  |
| Power input                 | 1600 watt |
| Power output                | 1100 watt |
| Tool fixture                | M 14      |
| Cable length                | 4,0 m     |
| Weight                      | 5,1 kg    |



| Standard equipment | Order no.      |
|--------------------|----------------|
| <b>L 1503 VR</b>   | <b>250.280</b> |
| 1 side handle      | 194.034        |
| <b>L 1202</b>      | <b>278.688</b> |
| 1 side handle      | 193.356        |
| 1 hand guard       | 253.618        |
| 1 handle           | 253.510        |

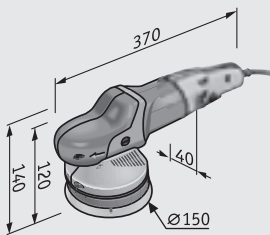
Polishers  
XFE 7-15 150



NEW

SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. polishing pad diameter | 160 mm        |
| Max. back-up pad diameter   | 150 mm        |
| Orbit                       | 15 mm         |
| Orbit rate, no load         | 3200-9600 opm |
| Power input                 | 710 watt      |
| Power output                | 420 watt      |
| Cable length                | 4,0 m         |
| Weight                      | 2,4 kg        |



Roto random orbit polisher

- VR microprocessor control: with tachogenerator constant speed control, soft start, continuous speed control trigger, restart protection after power failure, overload protection, temperature monitoring and speed selection
- Free-spinning drive for hologram-free finishing
- 15 mm orbit for high efficiency
- Continuous speed control trigger: for a gentle start and a lock-on for continuous operation
- Cushioned special hook and loop pad for polishing.
- Counterweight for smoother operation
- Optimised air flow for optimum cooling of motor and gear. No annoying exhaust air for the user
- Flat gear head reduces distance to the surface. The machine can therefore be operated safely in any position.
- Grip hood: ergonomically shaped with SoftGrip. The machine can be controlled with precision and is always comfortable yet secure to hold.
- Low heat generation on the surface makes it ideal for temperature-sensitive paints

| Standard equipment                  | Order no. |
|-------------------------------------|-----------|
| XFE 7-15 150                        | 418.080   |
| 1 special velcro backing pad, 150 Ø | 437.077   |

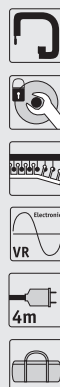
Accessories from page 318





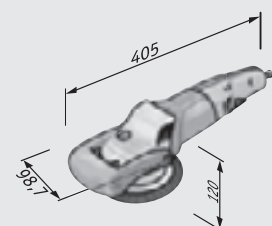
### Positive-drive orbital polisher

- VR microprocessor control: with tachogenerator constant speed control, soft start, continuous speed control trigger, restart protection after power failure, overload protection, temperature monitoring and speed selection
- 8 mm orbit for high efficiency
- Permanent direct drive for an even polished surface
- Cushioned special hook and loop pad for polishing.
- Removable, ergonomic handle and guard for optimum handling in all applications
- Low heat generation on the surface makes it ideal for temperature-sensitive paints
- Counterweight for smoother operation
- Low height and low weight
- Spindle lock
- This machine is also available in 110 V



### SPECIFICATIONS

|                             |               |
|-----------------------------|---------------|
| Max. polishing pad diameter | 160 mm        |
| Velcro backing pad Ø        | 140 mm        |
| No load speed               | 160-480 rpm   |
| Orbit                       | 8 mm          |
| Orbit rate, no load         | 3200-9600 opm |
| Power input                 | 1010 watt     |
| Power output                | 590 watt      |
| Cable length                | 4,0 m         |
| Weight                      | 2,6 kg        |



| Standard equipment                          | Order no.      |
|---------------------------------------------|----------------|
| <b>XC 3401 VRG</b>                          | <b>322.008</b> |
| 1 bail handle                               | 333.565        |
| 1 special velcro backing pad, 140 Ø         | 342.637        |
| <b>XC 3401 VRG Set</b>                      | <b>334.081</b> |
| 1 bail handle                               | 333.565        |
| 1 special velcro backing pad, 140 Ø         | 342.637        |
| 1 polishing sponge PS-W 160                 | 376.434        |
| 1 microfibre polishing cloth MW-C           | 317.098        |
| 1 fine polishing compound P 03/06-LD 250 ml | 403.377        |
| 1 polishing compound P 05/04-LD 250 ml      | 403.369        |
| 1 carrying bag                              | 333.573        |

## Polishing is not just polishing.

In common parlance the term is synonymous with sanding a surface smooth to create a gloss finish. The professional definition however is much broader. A good “polish” including paint preparation and care comprises the following three steps:

**POLISHING:** Use of mechanical operations to achieve a smooth, high-gloss surface.

**SEALING:** Permanently seal porous surfaces.

**PAINT CARE:** Protect paintwork by waxing.



### Professional tips for paint care

- Thoroughly clean the surface beforehand.
- Apply agents sparingly and evenly.
- Make sure the surface is absolutely dry.
- Avoid the sun's rays, excessive heat, humidity and temperatures below freezing.



### Professional tips for sealing

- First, clean the surface thoroughly.
- Remove all dead paint and tinting particles from the surface.
- Caution – incorrect application will not only seal the paint surface but also the dirt.



### Professional tips for polishing

- Never use polishing agents in the sun, at high temperatures or when the air humidity is high.
- Before treating the paint surface, wash it thoroughly and leave to dry.
- Do not use dirty cloths or sponges.
- Avoid any transitions which result in irregularities and streaking.
- Regularly change and clean the polishing sponge.
- Use all agents extremely sparingly. If too much polish is applied, it will be more difficult to rub off and the quality will be impaired.

### FLEX tips & tricks

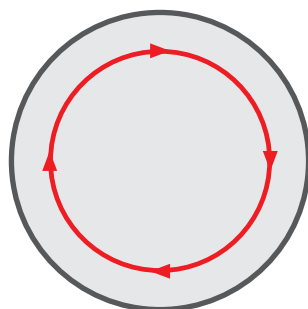
1. Before starting, mask off any rubber parts, seals and paint-free sections. This saves you from having to undertake troublesome cleaning at the end.
2. Use the recommended combination of machine and pad.
3. Test the polish beforehand on a small, non-visible area.
4. Start with Speed Step 1 and go up to a maximum 2300 rpm.
5. Keep checking the surface temperature with the back of your hand. It should only be hand-hot. Too much pressure and an excessive speed will result in surface damage.
6. Let the machine's own weight do the work.
7. Moisten the sponge or lambswool before polishing and sealing. This eases the work for you and stops the polish or sealer from drying out too quickly.
8. Any contamination of the lambswool or sponge can have a major negative effect on the results.
9. Always use the same sponge/lambswool for the same agent.
10. As a dry polish can damage the surface, you should repeatedly moisten the surface with a sprayer.
11. You should keep the machine constantly in motion both to stop any surface damage and for an even finish.
12. On final finishing, remove any surplus polishing agents from the surface – this should be done with a clean micro-fibre cloth which is always used for just one agent.
13. Cleaning lambswool, sponge and the micro-fibre cloth after use will promote their longevity.

## Rotary or random orbital?

As with many other questions in life, there's also no clear answer to this one. Like when choosing a suitable polish, whether a rotary or an orbital machine is recommended depends on your particular task. Basically it can be said that rotary units are used primarily by professionals. In professional use, orbital units are the preferred option for finishing in a two-stage process. In semi-professional applications, polishers with orbital movement are recommended in order to avoid surface damage.

### ROTARY: Sensitive and aggressive

Polishing is very much a matter of feeling and precision. However, by using a rotary machine you, as a professional, will confidently be able to handle any polishing job. You should note two things: Firstly, rotary motion impacts much more aggressively on the surface than a random orbit device does. Secondly, non-professional application may very quickly produce hologram effects.

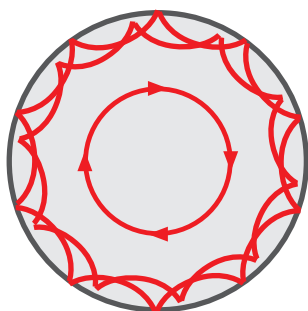


#### Rotary

The plate rotates in a circular motion. Rotary polishers achieve the greatest abrasion performance and are the fastest method when it comes to eliminating scratches.

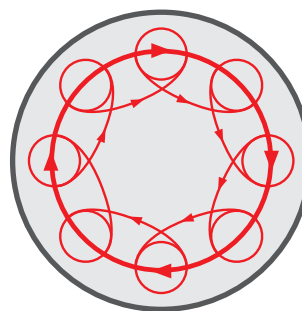
### RANDOM ORBITAL: Effective and efficient

Orbital types are specialists – and are only rarely popular with their contemporaries. This however does not apply at all to polishing machines with orbital drives. And no wonder. After all, these machines enable you to work both effectively and efficiently. Thanks to the special type of motion and the long stroke (XFE 7-15 150) or the permanent positive drive (XC 3401 VRG), not only can you seal a varnished surface, you can also polish it so that it is free of holograms.



#### Rotary orbital (XC 3401 VRG)

The plate is positively driven and also moves eccentrically. Achieves good abrasion performance and allows hologram-free orbitally working. Ideal for eliminating scratches and for finishing.



#### Random orbit (XFE 7-15 150)

The plate moves freely (not driven) and orbitally. Allows hologram-free working and is easy to handle, making it suitable for all user types.

## The problem solvers

**FLEX accessories and polishers. Perfectly coordinated.**



To ensure an optimum result, the interaction between machine and polish or sponges or lambswool is extremely important. The correct accessory must be used depending on the paint damage (scratch, hologram, etc.). Scratches can be removed with the blue polishing sponge and the FLEX abrasive polish.



### Perfect polish

To remove deep scratches, we recommend the polishing fleece combine with the FLEX abrasive polish.



### Perfect interaction

Holograms can be removed superbly with the black wafer polishing sponge and the FLEX fine abrasive polish.



### Perfect gloss

The orbital polisher is eminently suited for the sealing operation.

Recommended applications

The soft powerhouses

The allrounders

XFE 7-15 150

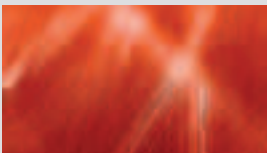
XC 3401 VRG



Orange peel effect



Dust inclusions



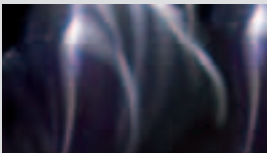
Deep scratches



Scratches



Minor signs of wear



Hologram effects



Paint sealing/care

Polishing fleece

Polishing sponge, blue

Polishing compound

Polishing sponge, black

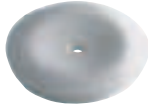
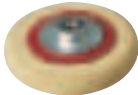
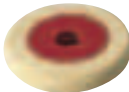
High-gloss polish

Polishing sponge, white



■ suitable  
- not suitable

| Type                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Designation       | Dimensions<br>in mm | QP | Order no. | PE 8-4 80 | PE 14-3 125 | PE 14-2 150 | PE 14-1 180 | L 602 VR | L 1503 VR | L 1202 | XFE 7-15 150 | XC 3401 VRG |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|----|-----------|-----------|-------------|-------------|-------------|----------|-----------|--------|--------------|-------------|
| Velcro pad, cushioned<br>M 14<br>   | 12 mm cell rubber for even pressure distribution for grinding, polishing or sealing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BP-M D75 M14      | 75 Ø                | 1  | 420.492   | ■         | ■           | ■           | -           | -        | ■         | -      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BP-M D115 M14     | 115 Ø               | 1  | 240.311   | -         | ■           | ■           | ■           | -        | ■         | -      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BP-M D125 M14     | 125 Ø               | 1  | 350.737   | -         | ■           | ■           | ■           | ■        | ■         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BP-M D150 M14     | 150 Ø               | 1  | 350.745   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Special velcro pad, cushioned<br>   | Cushioned velcro pad, 10 mm PU medium hardness. The special pad mount means that the pad can be used only for the model XFE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BP-M D150 XFE/XCE | 150 Ø               | 1  | 437.077   | -         | -           | -           | -           | -        | -         | -      | ■            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Polishing sponge, blue<br>        | Sponge of a medium-hard, coarse foam structure and high resistance to tearing. With setback velour for assured polishing and as a centering aid. Particularly for weathered, dull paints and for scratches in combination with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                                    | PS-B 80           | 80 Ø x 30           | 1  | 420.468   | ■         | ■           | ■           | -           | -        | ■         | -      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-B 140          | 140 Ø x 30          | 1  | 376.388   | -         | ■           | ■           | ■           | ■        | ■         | -      | -            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-B 160          | 160 Ø x 30          | 1  | 376.396   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-B 200          | 200 Ø x 30          | 1  | 376.418   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Polishing sponge, white<br>       | Sponge of a medium-hard, fine foam structure and highly resistant to tearing. With setback velour for assured polishing and as a centering aid. Particularly for removing minor traces of wear and streaks in combination with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                                    | PS-W 80           | 80 Ø x 30           | 1  | 420.476   | ■         | ■           | ■           | -           | -        | ■         | -      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-W 140          | 140 Ø x 30          | 1  | 376.426   | -         | ■           | ■           | ■           | ■        | ■         | -      | -            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-W 160          | 160 Ø x 30          | 1  | 376.434   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-W 200          | 200 Ø x 30          | 1  | 376.442   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Polishing sponge, black<br>       | Sponge of an extremely soft and fine foam structure. With setback velour for assured polishing and as a centering aid. Ideally suited - together with the fine polishing compound - for removing holograms and also for paint care and sealing in combination with the high-gloss polish.                                                                                                                                                                                                                                                                                                                                      | PS-BL 140         | 140 Ø x 30          | 1  | 376.450   | -         | ■           | ■           | ■           | ■        | ■         | -      | -            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-BL 160         | 160 Ø x 30          | 1  | 376.469   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PS-BL 200         | 200 Ø x 30          | 1  | 376.477   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Polishing sponge wafer, black<br> | Wafer sponge of an extremely soft and fine foam structure. The special PerfectTouch sandwich design and extra firm white foam layer give the pad much more stiffness and it does not compress so easily. As a result, holograms and micro-scratches, in particular, can be more efficiently and reliably removed. The special design also extends the service life of the polishing disc. With setback velour for assured polishing and as a centering aid. Ideally suited - together with the fine polishing compound - for removing holograms and also for paint care and sealing in combination with the high-gloss polish. | PSW-BL 140        | 140 Ø x 30          | 1  | 376.485   | -         | ■           | ■           | ■           | ■        | ■         | -      | -            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PSW-BL 160        | 160 Ø x 30          | 1  | 376.493   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PSW-BL 200        | 200 Ø x 30          | 1  | 376.507   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
| Polishing sponge, yellow<br>      | Sponge with medium-hard and coarse foam structure. The large diameter and the frisbee shape is perfect for large areas, e.g. in the maritime and aviation areas. Particularly suitable for weathered and mat paintwork, in conjunction with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                       | PSF-Y 220         | 220 Ø x 20          | 1  | 256.908   | -         | -           | -           | ■           | ■        | -         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                     |    |           |           |             |             |             |          |           |        |              |             |

| Type                                                                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Designation | Dimensions<br>in mm | QP | Order no. | PE 8-4 80 | PE 14-3 125 | PE 14-2 150 | PE 14-1 180 | L 602 VR | L 1503 VR | L 1202 | XFE 7-15 150 | XC 3401 VRG |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------|----|-----------|-----------|-------------|-------------|-------------|----------|-----------|--------|--------------|-------------|
| Polishing sponge,<br>white<br>      | Sponge with medium-hard and fine foam structure. The large diameter and the frisbee shape is perfect for large areas, e.g. in the maritime and aviation areas. Particularly suitable for removing minor signs of use and streaks in conjunction with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                             | PSF-W 220   | 220 Ø x 30          | 1  | 256.909   | -         | -           | -           | ■           | ■        | -         | ■      | -            | -           |
| Velcro backed,<br>classic<br>       | The pad consists of 90 % lambswool and 10 % polyester. This composition provides for more stability and volume. For great polishing effect in combination with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TW-C 150    | 150 Ø               | 1  | 342.521   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TW-C 200    | 200 Ø               | 1  | 350.265   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
| Polishing lambswool,<br>premium<br> | Polishing lambswool consisting of 90% natural wool and 10% polyester. This combination provides for longer service life and greater volume. And it can remove sanding scratches, for example, 30% faster than with using a sponge. Ideal for UV paints and the latest generation of scratch-resistant paints. For a great polishing effect in combination with the fine polishing compound. The special PerfectTouch sandwich design and extra orange foam layer gives the pad that slight degree of cushioning and much greater stiffness. This allows for a perfect surface contact even in problem areas and an optimal and exact guiding. | TW-PT 80    | 80 Ø                | 1  | 420.484   | ■         | ■           | ■           | -           | -        | ■         | -      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TW-PT 140   | 140 Ø               | 1  | 376.515   | -         | ■           | ■           | ■           | ■        | ■         | -      | -            | ■           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TW-PT 160   | 160 Ø               | 1  | 376.523   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
| Polishing fleece<br>              | Traditional frisbee-shaped polishing fleece made of 100% natural wool. With its large diameter and frisbee shape this polishing fleece is perfect for processing large areas in the maritime and aviation areas. For high polishing effect in conjunction with the fine polishing compound.                                                                                                                                                                                                                                                                                                                                                   | WF-C 230    | 230 Ø               | 1  | 398.632   | -         | -           | -           | ■           | ■        | -         | ■      | -            | -           |
| Lambswool bonnet<br>              | Lambswool bonnet with tightening cord, suitable for elastic backing pad. Made of 100% lambswool. For efficient processing of polishing pastes. Suitable for flexible backing pad.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | WH-C 180    | 180 Ø               | 1  | 123.870   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
| Flexible backing pad<br>          | Backing pad from cellular rubber with rounded edges, for lambswool bonnet. Ensures for even pressure when polishing. M14 thread.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BP D175 WH  | 175 Ø               | 1  | 123.862   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
| Backed fleece<br>                 | Fibre-back and M 14 threaded flange for removing scratches in glass, stainless steel, acrylic and high-gloss polishing of stainless steel. Use only with the respective polishing mediums.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | 125 Ø               | 1  | 122.726   | -         | ■           | ■           | ■           | ■        | ■         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 175 Ø               | 1  | 122.734   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
| Spare fleece<br>                  | With fiber backing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | 125 Ø               | 1  | 122.742   | -         | ■           | ■           | ■           | ■        | ■         | ■      | -            | -           |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 175 Ø               | 1  | 122.750   | -         | -           | ■           | ■           | ■        | -         | ■      | -            | -           |
| Buffing wheel mount,<br>M 14<br>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | 60                  | 1  | 123.803   | -         | -           | -           | ■           | -        | -         | ■      | -            | -           |

■ suitable  
- not suitable

| Type                                                                                                        | Description                                                                                                                                                                     | Designation         | Dimensions<br>in mm | QP | Order no. | PE 8-4 80 | PE 14-3 125 | PE 14-2 150 | PE 14-1 180 | L 602 VR | L 1503 VR | L 1202 | XFE 7-15 150 | XC 3401 VRG |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|----|-----------|-----------|-------------|-------------|-------------|----------|-----------|--------|--------------|-------------|
|  SoftVib side handle       | SoftVib handle with vibration cushioning, significantly reducing the vibration transmitted to hands and arms and reducing the risk of vibration-related injury to the operator. | GS-M M14 SVM 14     |                     | 1  | 325.384   | -         | ■           | ■           | ■           | ■        | -         | ■      | ■            | ■           |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|  Carrying bag for polisher | Practical mobile carry bag offer lots of room for machine and accessories, with variable pockets.                                                                               | TB-L 460x260x300    |                     | 1  | 333.573   | ■         | ■           | ■           | ■           | -        | ■         | -      | ■            | ■           |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|  Carrying case             | Without insert. For the machines PE 14-2 150, PE 14-3 125, PE 14-1 180, L 1503 VR and XC 3401 VRG and extensive range of accessories.                                           | TK-L 528x368x125/65 | 528 x 368 x 125/65  | 1  | 377.198   | -         | ■           | ■           | ■           | -        | ■         | -      | -            | ■           |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
| Case insert – lid                                                                                           | Matching insert for sponges/lambswool Ø 160/200, microfibre cloths and polish for the lid of the carrying case 377.198.                                                         | TKE-T PE14/XC       |                     | 1  | 377.201   | -         | -           | -           | -           | -        | -         | -      | -            | -           |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
| Case insert – bottom                                                                                        | Matching insert for machine and Velcro backing pad, sponges/lambswool Ø 140 and other accessories for the bottom of carrying case 377.198.                                      | TKE-B PE14/XC       |                     | 1  | 377.228   | -         | -           | -           | -           | -        | -         | -      | -            | -           |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |
|                                                                                                             |                                                                                                                                                                                 |                     |                     |    |           |           |             |             |             |          |           |        |              |             |







## Tools for stoneworking

For 90 years FLEX has been a competent and innovative partner for natural stone working, and for good reason. During this time we have worked hand in hand with experienced stone masons to develop a comprehensive and harmonized machine and accessory programme that sets the industry standards.

### Stone working

|                        |     |
|------------------------|-----|
| Wet polisher           | 326 |
| Blind hole drills      | 334 |
| Core drilling unit     | 336 |
| Bushhammers            | 337 |
| Dry grinders           | 339 |
| Accessories            | 341 |
| Stone cutter CS 60 WET | 344 |
| Accessories            | 349 |

## FLEX and natural stone. A special relationship.

Natural stone has its own laws. That calls for special experts. Specialists who know how to read the stone. Who by the nuances and shades of the colours in the stone can recognise the unique masterpiece that a completely sculptured piece of work can evolve, but to realize this vision good tools are needed.

For over 90 years FLEX is the competent and innovative partner for working with natural stone. Over this course of time a comprehensive range of machines has been developed in close co-operation with experienced stone masons. A product range that sets the industry standards for robustness and reliability also with handling and maintenance but especially by working safety when using water. The extensive FLEX stone range provides everything – from wet polishers and dry grinders, stone cutter, bush-hammer, blind hole drill and core drilling machines, isolating transformers and safety vacuum cleaners to grinding discs, abrasive rings and diamond tools.

The long-time competence of FLEX also includes the knowledge that FLEX engineers have gained about the nature of stone, its characteristics, and its sensitivities. That is why a FLEX machine of course does not damage or soil the valuable “natural stone”, but professionally processes and preserves it. As in every perfect relationship allows you to work to perfection.



## Stone on stone, everything fits.

|                                     |  |                   |  |                                               |  |  |  |
|-------------------------------------|-----------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                     | LE 12-3 100<br>WET                                                                | L 12-3 100<br>WET | LE 12-3 100<br>WET, PRCD                                                          | L 12-3 100<br>WET, PRCD                       | LW 802 VR                                                                           | LW 1202                                                                             | LW 1202 S                                                                           |
| Max. polishing pad<br>diameter mm   | 115                                                                               | 115               | 115                                                                               | 115                                           | 130                                                                                 | 130                                                                                 | 130                                                                                 |
| Power input in watts                | 1150                                                                              | 1150              | 1150                                                                              | 1150                                          | 1800                                                                                | 1600                                                                                | 1600                                                                                |
| No load speed rpm                   | 1200-3700                                                                         | 3700              | 1200-3700                                                                         | 3700                                          | 800-2400                                                                            | 1750                                                                                | 1750                                                                                |
| Tool fixture                        | M 14                                                                              | M 14              | M 14                                                                              | M 14                                          | M 14                                                                                | M 14                                                                                | M 14                                                                                |
| Electric safety/<br>main connection | contour plug                                                                      | contour plug      | GFCI operator<br>protector<br>circuit breaker                                     | GFCI operator<br>protector<br>circuit breaker | contour plug                                                                        | contour plug                                                                        | GFCI operator<br>protector<br>circuit breaker                                       |
| Weight kg                           | 2.4                                                                               | 2.4               | 2.4                                                                               | 2.4                                           | 4.3                                                                                 | 5.1                                                                                 | 5.1                                                                                 |





## Water and electricity. A combination for professionals only.

The wet stone polishers L 12-3 100 WET and LE 12-3 100 WET have a powerful high-torque 1150 watt motor. The field is powder-coated and varnished to provide additional protection against wear caused by abrasive dust and for rust protection. Both machines are available in the "Transformer" (with a connecting cable and a 12 h contour plug for connection to an isolation transformer) or "PRCD" version (operator protection circuit breaker integrated into the cable).



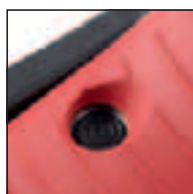
### More secure grip

The grip hood and the bail handle ensure comfortable handling and allow the machine to be guided with precision. Even when working on vertical surfaces, the machine can always be held securely.



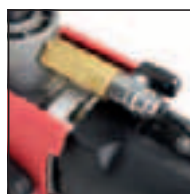
### Tool fixture: M 14

For backing pads with quick-action coupling or Velcro cover.



### Spindle stop

Easy tool change with the integrated spindle stop.



### The lower values count here

The water supply and control are situated below the housing. This provides an unobstructed grip area directly above the polishing pad.



### Perfectly modulated force

Both types feature a powerful 1150 watt motor and built-in electronics with soft start, overload protection and constant speed control. The LE 12-3 100 WET also features stepless speed adjustment from 1200-3700 rpm.



### Bring on the water!

Simple and easily accessible operation of the water control.



### Flexible connection

The brass water connection for the 1/2" water hose is not attached directly to the device but to an extremely flexible 2 m long special hose.



### Fits perfectly

The special hose does not require additional hose safety devices. This prevents injuries from hose clips.



## Bring on the water! Clever solutions make work easier.



The water connection of the wet stone polisher L 12-3 100 WET and LE 12-3 100 WET is located below the housing. The machines can now be guided precisely and safely in any position and without obstructing the view of the workpiece. Thanks to the high torque, the wet stone polishers perform reliably in almost any position and at almost any pressure.

## Brilliant ideas. Optimized handling for top quality surfaces.



The L 12-3 100 WET, LE 12-3 100 WET wet stone polishers and the FLEX Dia-Jet velcro diamond discs are ideally suited for polishing cut edges.



### Clear view

The superb handling and the unobstructed grip area allow edges to be worked exactly and precisely.



### Horizontally and vertically

Working on vertical surfaces is now easier thanks to the grip hood and the ergonomically shaped bail handle. The machines can always be guided safely.

## Stone working

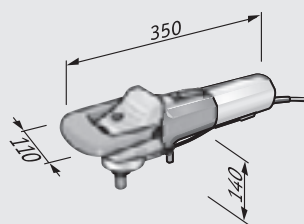
LE 12-3 100 WET

L 12-3 100 WET



### SPECIFICATIONS

|                                      |               |
|--------------------------------------|---------------|
| Max. polishing pad diameter          | 115 mm        |
| No load speed LE 12-3 100 WET + PRCD | 1200-3700 rpm |
| No load speed L 12-3 100 WET + PRCD  | 3700 /min     |
| Power input                          | 1150 watt     |
| Power output                         | 700 watt      |
| Tool fixture                         | M 14          |
| Size (L x H)                         | 350 x 140 mm  |
| Connecting hose with quick coupling  | 2 m           |
| Cable length LE/L 12-3 100 WET       | 5,0 m         |
| Cable length LE/L 12-3 100 WET, PRCD | 4,0 m         |
| Weight                               | 2,4 kg        |



Available with PRCD portable residual current device (integrated in the cable) or contour plug (for safety reasons operated via isolating transformer FLEX TT 2000 only).



### 1150 watt wet stone polisher, 115 mm

- Powerful 1150 W motor
- VR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection and speed selection
- High torque for maximum material removal and optimum surface quality
- Powder-coated and varnished magnetic pad for a long service life, thanks to the additional protection against wear and abrasive dust
- Grip hood for easy handling and precise working
- Bail handle: Secure grip, even when working on vertical surfaces
- The new water feed and control system is located below the housing, which makes operation and precise dosing easy. An unobstructed grip area is provided directly above the backing pad
- 2 m special hose: No additional hose safety devices required. Increases flexibility, reduces weight and prevents risk of injury from hose clips
- Quick-fit brass coupling: for 1/2" water hose
- Spindle lock
- This machine is also available in 110 V

### For L 12-3 100 WET

- FR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection

| Standard equipment         | Order no. |
|----------------------------|-----------|
| LE 12-3 100 WET            | 368.660   |
| LE 12-3 100 WET, PRCD      | 378.461   |
| L 12-3 100 WET             | 375.675   |
| L 12-3 100 WET, PRCD       | 378.488   |
| 1 bail handle              | 368.709   |
| 1 hook-and-loop cable ties | 364.169   |

Accessories from page 341



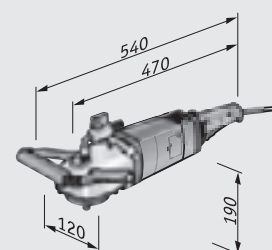
### 1800 watt wet stone polisher with plug for isolating transformer, 130 mm

- VR full-wave electronic control: tachogenerator constant speed control, soft start, overload protection and speed selection
- Central water supply through gear shaft: for wet polishing of granite and marble
- Quick-fit brass coupling: for 1/2" water hose
- Contour plug: can be connected only to an isolating transformer. For safety reasons, operation is permitted only connected to the FLEX TT 2000 isolating transformer
- This machine is also available in 110 V



### SPECIFICATIONS

|                             |              |
|-----------------------------|--------------|
| Max. polishing pad diameter | 130 mm       |
| No load speed               | 800-2400 rpm |
| Power input                 | 1800 watt    |
| Power output                | 1200 watt    |
| Tool fixture                | M 14         |
| Cable length                | 4,0 m        |
| Weight                      | 4,3 kg       |



| Standard equipment        | Order no.      |
|---------------------------|----------------|
| <b>LW 802 VR</b>          | <b>258.597</b> |
| 1 bail handle             | 263.397        |
| 1 open-ended wrench SW 17 | 106.461        |

## Stone working

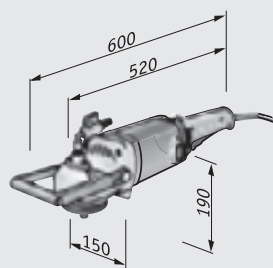
LW 1202

LW 1202 S



### SPECIFICATIONS

|                             |           |
|-----------------------------|-----------|
| Max. polishing pad diameter | 130 mm    |
| No load speed               | 1750 rpm  |
| Power input                 | 1600 watt |
| Power output                | 1040 watt |
| Tool fixture                | M 14      |
| Cable length                | 4,0 m     |
| Weight                      | 5,1 kg    |



Available with PRCD portable residual current device (integrated in the cable) or contour plug (for safety reasons operated via isolating transformer FLEX TT 2000 only).



### 1600 watt wet stone polisher, 130 mm

- Central water supply through gear shaft: for wet polishing of granite and marble
- Quick-fit brass coupling: for 1/2" water hose
- Rugged metal composite housing for optimum heat dissipation
- This machine is also available in 110 V

### For LW 1202 S

- For portable use without an isolating transformer

| Standard equipment        | Order no. |
|---------------------------|-----------|
| LW 1202                   | 276.375   |
| LW 1202 S, PRCD           | 289.000   |
| 1 bail handle             | 258.639   |
| 1 open-ended wrench SW 17 | 106.461   |

Accessories from page 341



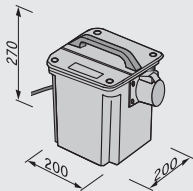


Isolating transformer

- With contour socket for all FLEX machines with contour plug. Earth contact in 12 o'clock position, without protective contact

SPECIFICATIONS

|                                                   |                    |
|---------------------------------------------------|--------------------|
| Max. performance up to 45 min. non-stop operation | 2000 VA            |
| Size ( W x L x H)                                 | 200 x 200 x 270 mm |
| Primary voltage                                   | 230 V              |
| Secondary voltage                                 | 230 V              |
| Weight                                            | 15,8 kg            |



| Standard equipment | Order no. |
|--------------------|-----------|
| TT 2000            | 373.370   |

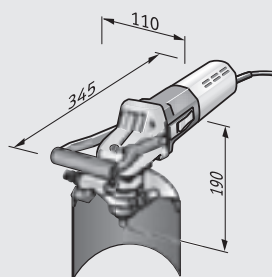
## Stone working

BHW 1549 VR



### SPECIFICATIONS

|                  |                |
|------------------|----------------|
| Power input      | 1200 watt      |
| Power output     | 700 watt       |
| Speed under load | 3000-9000 rpm  |
| No load speed    | 3500-10000 rpm |
| Tool fixture     | M 14           |
| Diamond drill Ø  | 5-10 mm        |
| Cable length     | 4,0 m          |
| Weight           | 3,3 kg         |



### Blind hole drill with integrated water feed with GFCI circuit breaker

- VR electronic control: with tachogenerator constant speed control, overload protection, and speed selector wheel
- Quick-fit brass coupling: for 1/2 " water hose
- Integral water feed through the drive shaft ensures optimum cooling of diamond bits
- For hand operation or for use on our BD 6 and BD 18 drill stands
- Can also be used with pressurized water tanks
- GFCI operator protector circuit breaker: integrated in cord

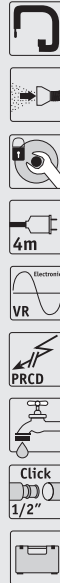
| Standard equipment        | Order no.      |
|---------------------------|----------------|
| <b>BHW 1549 VR</b>        | <b>299.197</b> |
| 1 bail handle             | 236.934        |
| 1 open-ended wrench SW 17 | 106.461        |
| 1 splash guard            | 255.171        |
| 1 metal carrying case     | 273.686        |

Accessories from page 342



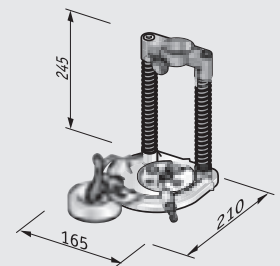
### Anchor drilling unit with integrated water feed with GFCI circuit breaker

- VR electronic control: with tachogenerator constant speed control, overload protection, and speed selector wheel
- Suction cup for fixing to smooth surfaces
- Precise drill centring by accurate positioning with cross-hair registration marks
- Quick-fit brass coupling: for 1/2" water hose
- Adapter for vacuum extraction
- Ideal for hard, fragile materials, including porcelain stoneware tiles, concrete, stone and masonry
- When using FLEX industrial vacuums to extract drilling sludge, an additional vacuum is created to allow vacuum fastening of the drill stand
- Integrated water feed through the drive shaft
- GFCI operator protector circuit breaker: integrated in cord



### SPECIFICATIONS

|                 |                |
|-----------------|----------------|
| Power input     | 1200 watt      |
| Power output    | 700 watt       |
| No load speed   | 3500-10000 rpm |
| Tool fixture    | M 14           |
| Diamond drill Ø | 6-14 mm        |
| Cable length    | 4,0 m          |
| Weight          | 4,1 kg         |



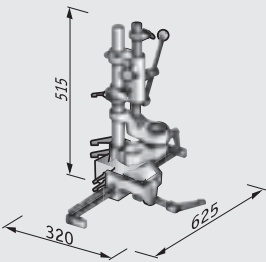
| Standard equipment                                | Order no.      |
|---------------------------------------------------|----------------|
| <b>BED 18</b>                                     | <b>290.300</b> |
| 1 suction cup                                     | 292.052        |
| 1 bail handle                                     | 236.934        |
| 1 stationary drill stand with column guide, BD 18 | 290.343        |
| 1 vacuum hose connection                          | 255.507        |
| 1 metal carrying case                             | 293.008        |

Stone working  
BED 69



SPECIFICATIONS

|                        |                |
|------------------------|----------------|
| Power input            | 1200 watt      |
| Power output           | 700 watt       |
| No load speed          | 3500-10000 rpm |
| Tool fixture           | M 14           |
| Diamond drill bit Ø    | 5-14 mm        |
| Cable length           | 4,0 m          |
| Weight (complete unit) | 15,5 kg        |



Core drilling unit for drilling edges in facing slabs with GFCI circuit breaker

- VR electronic control: with tachogenerator constant speed control, overload protection, and speed selector wheel
- Clamping device: for slab thickness from 20 to 50 mm, with 2 adjustable stops (60/60 cm)
- Integrated water feed through the drive shaft
- Drilling unit works torsion-free and at an exact right angle
- Quick-fit brass coupling: for 1/2" water hose
- GFCI operator protector circuit breaker: integrated in cord

| Standard equipment           | Order no. |
|------------------------------|-----------|
| BED 69                       | 254.175   |
| Stationary drill stand BD 06 | 254.186   |

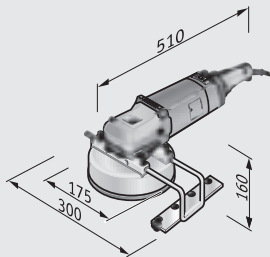


**Bushhammer for stairs and large surfaces**

- VR full-wave electronic control: with speed selection and constant speed control, soft start, overload protection.
- Working width adjustable: 7 stages from approx. 55 mm to 130 mm
- Guide: continuously adjustable for precise work along stone edges
- Dust extraction: for use even in inhabited buildings
- Fitted with 80 aggressive carbide tips, the power tool rapidly and precisely copes with all roughening work
- Sits comfortably in the hand and has a grip guard and a shaft handle, making it easy to guide
- Rotating tool head on rubber bearings, reducing noise and vibration and increasing the life of the drive unit



| SPECIFICATIONS |              |
|----------------|--------------|
| No load speed  | 800-2400 rpm |
| Power input    | 1800 watt    |
| Power output   | 1200 watt    |
| Working width  | 55-130 mm    |
| Cable length   | 4,0 m        |
| Weight         | 7,2 kg       |



| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>LST 803 VR</b>               | <b>259.639</b> |
| 1 stop, complete                | 259.193        |
| 1 carbide tipped complete 140 Ø | 261.654        |
| 1 hexagon socket wrench, SW 5   | 115.460        |
| 1 extraction adapter            | 340.790        |
| Vacuum hose extension           | 296.953        |

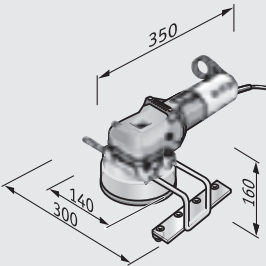


# Stone working LST 1503 VR



## SPECIFICATIONS

|               |              |
|---------------|--------------|
| No load speed | 800-2400 rpm |
| Power input   | 1200 watt    |
| Power output  | 700 watt     |
| Working width | 40-92 mm     |
| Cable length  | 4,0 m        |
| Weight        | 5,9 kg       |



## Bushhammer for stairs

- VR full-wave electronic control: with speed selection and constant speed control, soft start, overload protection.
- Working width adjustable: 3 stages from approx. 40 mm up to 92 mm
- Guide: continuously adjustable for precise work along stone edges
- Dust extraction: for use even in inhabited buildings
- Fitted with 60 aggressive carbide tips, the power tool rapidly and precisely copes with all roughening work
- Rotating tool head on rubber bearings, reducing noise and vibration and increasing the life of the drive unit
- The grip guard directly over the tool enables precise guidance of the power tool

| Standard equipment              | Order no.      |
|---------------------------------|----------------|
| <b>LST 1503 VR</b>              | <b>259.229</b> |
| 1 stop, complete                | 259.193        |
| 1 carbide tipped complete 100 Ø | 261.653        |
| 1 hexagon socket wrench, SW 5   | 115.460        |
| 1 extraction adapter            | 340.790        |
| Vacuum hose extension           | 296.953        |



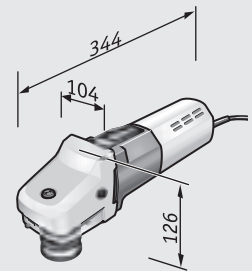
### 1500 watt grinder without extraction, 178 mm

- Highly efficient and resilient motor for more power output
- VR full-wave electronic control: with speed selection and constant speed control, soft start, overload protection.
- Spindle lock: for easy disc changes
- Ideally suited to low and medium-speed use with various grinding mediums
- The grip guard directly over the tool enables precise guidance of the power tool



### SPECIFICATIONS

|                    |               |
|--------------------|---------------|
| Max. disc diameter | 178 mm        |
| No load speed      | 1400-4200 rpm |
| Power input        | 1500 watt     |
| Power output       | 1000 watt     |
| Cable length       | 4,0 m         |
| Weight             | 2,7 kg        |



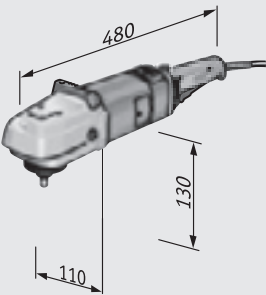
| Standard equipment | Order no. |
|--------------------|-----------|
| LG 1704 VR         | 293.768   |
| 1 side handle      | 252.721   |

Stone working  
LK 602 VR



SPECIFICATIONS

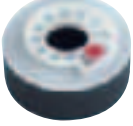
|                             |              |
|-----------------------------|--------------|
| Max. polishing pad diameter | 220 mm       |
| Max. back-up pad diameter   | 175 mm       |
| No load speed               | 800-2400 rpm |
| Power input                 | 1500 watt    |
| Power output                | 1000 watt    |
| Tool fixture                | M 14         |
| Cable length                | 4,0 m        |
| Weight                      | 3,5 kg       |



Polisher with grip hood

- VR electronic control: with tachogenerator constant speed control, soft start, overload protection and speed selection
- Integrated air deflection: protects against direct air flow
- Perfect cooling for heavy-duty use.
- On/off switch
- Plastic grip guard allows extremely sensitive guiding
- Grip hood: detachable
- Rubber rest bar protects machine and surface of workpiece
- Spindle lock: for easy tool change
- Ideal for cleaning, conserving, polishing and care of natural stone flooring

| Standard equipment | Order no. |
|--------------------|-----------|
| LK 602 VR          | 258.580   |
| 1 side handle      | 252.721   |

| Type                                                                                                                                  | Description                                                                                                                                                                                                                                                 | Dimensions<br>in mm | Grit          | Colour      | QP | Order no. | LE/L 12-3 100 WET | LW 802 VR | LW 1202/LW 1202 S | BHW 1549 VR | BED 18 | BED 69 | LST 803 VR | LST 1503 VR | LG 1704 VR | LK 602 VR |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|-------------|----|-----------|-------------------|-----------|-------------------|-------------|--------|--------|------------|-------------|------------|-----------|
| Dia-Jet velcro<br>diamond discs wet<br>(single)<br>  | For grinding and polishing: Suitable for artificial stone, natural stone, stoneware and ceramics. The grinding output of the diamond discs is higher than that of traditional abrasives, they have a very long service live and high mechanical resilience. | 100 Ø               | grit 60       | dark green  | 1  | 253.815   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 100      | blue        | 1  | 253.816   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 200      | light green | 1  | 253.817   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 400      | yellow      | 1  | 253.818   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 800      | orange      | 1  | 253.819   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 1500     | red         | 1  | 253.820   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 3000     | brown       | 1  | 253.821   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | grit 10000    | black       | 1  | 253.822   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Dia-Jet velcro<br>diamond discs wet<br>in a set<br> | Set with 5 grains. For grinding and polishing.                                                                                                                                                                                                              | 100 Ø               | grit 100-1500 |             | 5  | 253.823   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Rubber coupling<br>                                | For all applications where a smooth sanding is required. Adapts itself together with the velcro backing pad flexibly to the surface of the workpiece. Is screwed on as an adapter between the M 14 machine connection and the velcro backing pad.           |                     |               |             | 1  | 240.338   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Velcro pad, soft<br>                               | For secure attachment of the velcro diamond discs. M 14 connection.                                                                                                                                                                                         | 100 Ø               |               |             | 1  | 253.814   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Adapter plate<br>                                  | For grinding rings with quick-action coupling. Thread M 14. With rubber cushioning.                                                                                                                                                                         | 100 Ø               |               |             | 1  | 126.098   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Grinding rings<br>                                 | For plastic quick-action coupling backing pads, Order no. 126.098                                                                                                                                                                                           | 100 Ø               | F 30          |             | 1  | 126.144   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | F 60          |             | 1  | 126.152   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             | 100 Ø               | F 120         |             | 1  | 126.160   | ■                 | ■         | ■                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                                       |                                                                                                                                                                                                                                                             |                     |               |             |    |           |                   |           |                   |             |        |        |            |             |            |           |

■ suitable  
- not suitable

## Stone working Accessories

| Type                                                                                                                   | Description                                                                                                                                                                                                                     | Designation       | Diameter<br>in mm | Depth<br>in mm | Length<br>in mm | QP | Order no. | LE/L 12-3 100 WET | LW 802 VR | LW 1202/LW 1202 S | BHW 1549 VR | BED 18 | BED 69 | LST 803 VR | LST 1503 VR | LG 1704 VR | LK 602 VR |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|----------------|-----------------|----|-----------|-------------------|-----------|-------------------|-------------|--------|--------|------------|-------------|------------|-----------|
| Diamond hollow<br>hole drill bits<br> | The hollow hole drill bits are suitable for use on machines with integrated water supply and M 14 spindle thread. Vibration-free drilling in tiles (all hardnesses), fine stoneware (up to hardness 5), natural stone, granite. | DD-WET D5x30 M14  | 5                 |                | 30              | 1  | 386.359   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 | DD-WET D6x30 M14  | 6                 |                | 30              | 1  | 386.367   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 | DD-WET D8x30 M14  | 8                 |                | 30              | 1  | 386.375   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 | DD-WET D10x30 M14 | 10                |                | 30              | 1  | 386.383   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Hollow diamond<br>drill bit<br>      | M 14, wet, for natural stone and fine stoneware tiles.                                                                                                                                                                          |                   | 6 Ø               | 58             | 88              | 1  | 315.052   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   | 8 Ø               | 73             | 103             | 1  | 315.060   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   | 10 Ø              | 88             | 118             | 1  | 315.079   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   | 12 Ø              | 98             | 128             | 1  | 315.087   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   | 14 Ø              | 113            | 143             | 1  | 315.095   | ■                 | -         | -                 | ■           | ■      | ■      | -          | -           | -          | -         |
| Suction hose<br>                    | Vacuum hose, consisting of: 1 vacuum hose (255.505) and 1 vacuum hose connection (255.507).                                                                                                                                     |                   |                   |                |                 | 1  | 255.506   | -                 | -         | -                 | -           | ■      | -      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Suction hose<br>                    |                                                                                                                                                                                                                                 |                   |                   |                |                 | 1  | 255.505   | -                 | -         | -                 | -           | ■      | -      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
| Vacuum hose<br>connection<br>       |                                                                                                                                                                                                                                 |                   |                   |                |                 | 1  | 255.507   | -                 | -         | -                 | -           | ■      | -      | -          | -           | -          | -         |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |
|                                                                                                                        |                                                                                                                                                                                                                                 |                   |                   |                |                 |    |           |                   |           |                   |             |        |        |            |             |            |           |

■ suitable  
- not suitable



| Type                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                  | Designation       | Dimensions<br>in mm | Grit  | QP | Order no. | LE/L 12-3 100 WET                           | LW 802 VR | LW 1202/LW 1202 S | BHW 1549 VR | BED 18 | BED 69 | LST 803 VR | LST 1503 VR | LG 1704 VR | LK 602 VR |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-------|----|-----------|---------------------------------------------|-----------|-------------------|-------------|--------|--------|------------|-------------|------------|-----------|
|  <p>Diamond sanding pad</p>              | For use with velcro sanding disc 115 Ø. Sanding pads for dry sanding, a great advantage in the repair and renovation areas. Suitable for sanding and polishing granite worktops, fine stoneware tiles, floor tiles, concrete surfaces in the field of vision, natural stone on windowsills, cover panels, sculptures, steps. | DP 50 DRY D115    | 115 Ø               | 50    | 1  | 386.197   | for RETECFLEX RE 14-5 115<br>(Page 192)     |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 100 DRY D115   | 115 Ø               | 100   | 1  | 386.200   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 200 DRY D115   | 115 Ø               | 200   | 1  | 386.219   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 400 DRY D115   | 115 Ø               | 400   | 1  | 386.227   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 800 DRY D115   | 115 Ø               | 800   | 1  | 386.235   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 1500 DRY D115  | 115 Ø               | 1500  | 1  | 386.243   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 3000 DRY D115  | 115 Ø               | 3000  | 1  | 386.251   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 10000 DRY D115 | 115 Ø               | 10000 | 1  | 386.278   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           | For use with velcro sanding disc 125 Ø. Sanding pads for dry sanding, a great advantage in the repair and renovation areas. Suitable for sanding and polishing granite worktops, fine stoneware tiles, floor tiles, concrete surfaces in the field of vision, natural stone on windowsills, cover panels, sculptures, steps. | DP 50 DRY D125    | 125 Ø               | 50    | 1  | 382.817   | for SUPRAFLEX SE 14-2 125/150<br>(Page 140) |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 100 DRY D125   | 125 Ø               | 100   | 1  | 382.825   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 200 DRY D125   | 125 Ø               | 200   | 1  | 382.833   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 400 DRY D125   | 125 Ø               | 400   | 1  | 382.841   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 800 DRY D125   | 125 Ø               | 800   | 1  | 382.868   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 1500 DRY D125  | 125 Ø               | 1500  | 1  | 382.876   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 3000 DRY D125  | 125 Ø               | 3000  | 1  | 382.884   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 10000 DRY D125 | 125 Ø               | 10000 | 1  | 382.965   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           | For use with velcro sanding disc 150 Ø. Sanding pads for dry sanding, a great advantage in the repair and renovation areas. Suitable for sanding and polishing granite worktops, fine stoneware tiles, floor tiles, concrete surfaces in the field of vision, natural stone on windowsills, cover panels, sculptures, steps. | DP 30 DRY D150    | 150 Ø               | 30    | 1  | 418.951   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 50 DRY D150    | 150 Ø               | 50    | 1  | 418.978   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 100 DRY D150   | 150 Ø               | 100   | 1  | 418.986   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 200 DRY D150   | 150 Ø               | 200   | 1  | 418.994   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 400 DRY D150   | 150 Ø               | 400   | 1  | 419.001   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 800 DRY D150   | 150 Ø               | 800   | 1  | 419.028   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 1500 DRY D150  | 150 Ø               | 1500  | 1  | 419.036   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 3000 DRY D150  | 150 Ø               | 3000  | 1  | 419.044   |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | DP 10000 DRY D150 | 150 Ø               | 10000 | 1  | 419.052   |                                             |           |                   |             |        |        |            |             |            |           |
|  <p>Velcro backing pad Ø 115, Bowl</p> | Backing pad Bowl with velcro face for securing the abrasives with the velcro system. As damping elements 12 mm cellular rubber pads ensure uniform pressure distribution.                                                                                                                                                    |                   | 115 Ø               |       | 1  | 366.609   | -                                           | -         | -                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|  <p>Velcro pad, cushioned M 14</p>     | 12 mm cell rubber for even pressure distribution for grinding, polishing or sealing.                                                                                                                                                                                                                                         | BP-M D115 M14     | 115 Ø               |       | 1  | 240.311   | -                                           | -         | -                 | -           | -      | -      | -          | -           | -          | -         |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | BP-M D125 M14     | 125 Ø               |       | 1  | 350.737   | -                                           | -         | -                 | -           | -      | -      | -          | -           | -          | ■         |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              | BP-M D150 M14     | 150 Ø               |       | 1  | 350.745   | -                                           | -         | -                 | -           | -      | -      | -          | -           | -          | ■         |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
|                                                                                                                           |                                                                                                                                                                                                                                                                                                                              |                   |                     |       |    |           |                                             |           |                   |             |        |        |            |             |            |           |
| Replacement carbide wheels                                                                                                | for LST 1503 VR                                                                                                                                                                                                                                                                                                              |                   |                     |       | 6  | 259.833   | -                                           | -         | -                 | -           | -      | -      | ■          | -           | -          | -         |
|                                                                                                                           | for LST 803 VR                                                                                                                                                                                                                                                                                                               |                   |                     |       | 8  | 259.834   | -                                           | -         | -                 | -           | -      | -      | ■          | -           | -          | -         |
| Replacement bearing block with 2 carbide wheels                                                                           | for LST 1503 VR and LST 803 VR                                                                                                                                                                                                                                                                                               |                   |                     |       | 1  | 260.576   | -                                           | -         | -                 | -           | -      | -      | ■          | ■           | -          | -         |



## CS 60 WET. Diamond stone cutter for wet cuts.

With the CS 60 WET you cannot only cut cleanly and precisely, you can also make a perfect mitre cut in the range from 0-45°. It also has a cutting depth adjustment from 0-60 mm (with guide rail 0-54mm) and is therefore optimally suited to inserting weather grooves and water drainage channels in window sills or steps. The CS 60 WET is the ideal machine for stonemasons, kitchen and shop fitters and tilers who have to make exact cuts in natural and artificial stone; the machine can also be used in gardening and landscaping.



### Powerhouse

Powerful and high-output 1400 watt motor with high torque. Motor protection made of rubber prevents the direct intake of spray water and therefore protects the motor.



### When you have to get a move on

Cut marking at the base plate from 0°/30°/45° for rapid orientation



### Tough performer

The gearbox housing, the protective cover as well as the guide plate are made of high-quality magnesium die-castings. Ideal for tough applications, e.g. in gardening and landscaping.



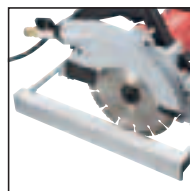
### Supercooled

Specially designed water supply for optimal cooling of the diamond tool.



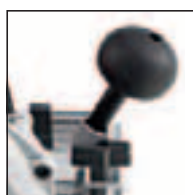
### GFCI operator protector circuit breaker

Portable residual current device (PRCD) integrated in the cable for safe working.



### Runs parallel

Parallel stop with guide edge mounted upwards increases the contact surface of the saw bench. When the guide edge is mounted downwards, a cut can be made parallel to the workpiece edge.



### Leadership

The front handle also ensures that the machine is guided exactly.



### Stepless

The cutting depth can be adjusted steplessly and without any tools. Ideal in conjunction with the guide rail for inserting weather grooves and water drainage channels.



### Spindle stop

Easy tool change with the integrated spindle stop.



### Maximum precision

The applied scale enables the angle to be adjusted easily and exactly from 0-45°.



### Coupled

Quick coupling made of brass for easy connection of a 1/2" water hose.



### All from one source

Ergonomically shaped handle with on/off switch and lock for continuous operation.



## Really good at an angle. The diamond stone cutter for mitre cuts.



With the FLEX CS 60 WET diamond stone cutter you cannot only cut cleanly and precisely, you can also make a perfect mitre cut in the range from 0-45°.



### Negative is not the same as positive

Thanks to the precise parallel stop which can be attached on either side, the CS 60 WET can also make a negative mitre cut.



### More mobility

In contrast to heavy stationary machines, the CS 60 WET is characterised by simple handling.



### Always in control

As the parallel stop is included in the product package, exact cuts can be made even without the aid of a guide rail.

## Extremely racy. For best results.



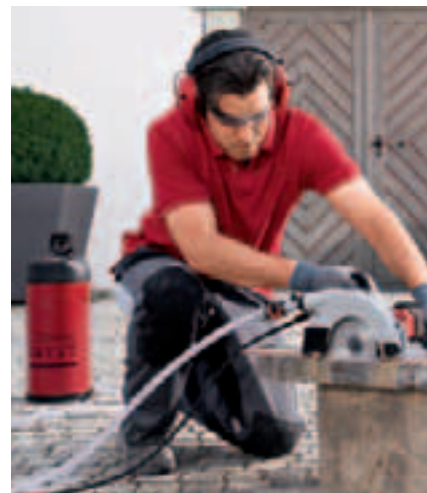
### Jack of all trades

The extremely rugged and reliable CS 60 WET is ideal for cutting window sills, work surfaces, facing stones and terrazzo slabs in garden and landscaping, and cleaning up flooring joints.



### Quite long

Long cuts can be made with the CS 60 WET and the appropriate guide rail



### Maximum flexibility

If there is no direct water connection available, a water pressure tank is the ideal addition.



### Clean edge

The guide rail, available as an accessory, can be used to cut clean and precise edge trims in the floor area.



### Can also plunge cut

The stepless cutting depth adjustment from 0-60 mm (with guide rail 0-54 mm) is particularly suitable for inserting expansion joints.



### Always straight

The CS 60 WET, in conjunction with the guide rail, is ideal for inserting weather grooves or water drainage channels in window sills or on the tops of walls.



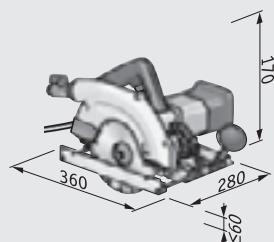
## Stone working

CS 60 WET



## SPECIFICATIONS

|                                           |               |
|-------------------------------------------|---------------|
| Power input                               | 1400 watt     |
| Power output                              | 840 watt      |
| No load speed                             | 6200 rpm      |
| Diamond cutting disc Ø / arbor (inside Ø) | 170 / 22,2 mm |
| Cutting depth / with guide rail           | 60 / 54 mm    |
| Mitre cuttings                            | 0-45°         |
| Depth of cut - mitre cut                  | 5-44 mm       |
| Depth of cut - mitre cut with guide rail  | 0-38 mm       |
| Cable length                              | 4,0 m         |
| Weight                                    | 4,5 kg        |


**Diamond stone cutter for wet cuts, mitre cuts up to 45 °, with GFCI circuit breaker**

- High-performance motor: extra powerful for stone cutting and joint milling
- Continuous cut depth setting from 0-60 mm, with rail guide up to 54 mm. In the mitre cut from 0-44 mm, with guide rail up to 38 mm
- Continuous angle adjustment for mitre cuts from 0-45°
- Cut marking at the base plate from 0°/30°/45° for rapid orientation
- High-quality magnesium die-castings for protective cover and base plates
- Motor protection made of rubber prevents the direct intake of spray water
- Water supply: for an effective cooling of the diamond blade
- Quick-fit brass coupling: for 1/2" water hose
- GFCI operator protector circuit breaker: integrated in cord
- Ideal for: Inserting water grooves in window sills or steps, work tops, facade slabs, terazzo slabs in garden design & landscaping, joint renovation in the floor
- Spindle lock

| Standard equipment                                 | Order no.      |
|----------------------------------------------------|----------------|
| <b>CS 60 WET</b>                                   | <b>374.016</b> |
| 1 diamond cutting disc with segmented cutting edge | 347.515        |
| 1 wrench for saw blade change                      | 359.343        |
| 1 parallel guide fence                             | 350.613        |
| 1 carrying case L-BOXX® 238                        | 414.093        |
| 1 case insert                                      | 436.771        |

Accessories page 349

| Type                                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Designation           | Dimensions<br>in mm | Length<br>in mm | QP    | Order no. | CS 60 WET |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-----------------|-------|-----------|-----------|
| Diamond cutting disc<br>           | With turbo segments for a clean wet cut; suitable for tiles and fine stoneware of any thickness up to hardness 5, marble, slate, granite and natural stone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Turbo-F-Jet D170x22,2 | 170 Ø x 22,2        |                 | 1     | 386.189   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     | With segmented cutting edge, vibration-dampened. For granite, marble, sandstone, concrete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | 170 Ø x 22,2        |                 | 1     | 347.515   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     | With closed cutting edge for a clean wet-cut, suitable for tiles, marble plates and ceramics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       | 170 Ø x 22,2        |                 | 1     | 367.214   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Guide rail GRS<br>                | Precise aluminium profile with anodized sliding coating and guide rib. Plugged rubber lip as contact edge at the marking, anti slip protection on the bottom. Connector 353.272 can be used to extend the guide rails as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GRS 80                |                     | 800             | 1     | 353.280   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GRS 160               |                     | 1600            | 1     | 359.351   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Connector for guide rail GRS<br> | Precise metal connector for connecting two guide rails GRS. When not in use, the connector can be parked in the guide rail with the included tool wrench SW 5 - screw driver.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GRS-V                 |                     |                 | 1     | 353.272   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| End caps<br>                     | Replacement parts for GRS 80/160 guide rails                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                     |                 | 2     | 364.967   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Antislip profile<br>             | Replacement parts for GRS 80/160 guide rails                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                     |                 | 6,8 m | 366.854   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Anti-splinter guard<br>          | Replacement parts for GRS 80/160 guide rails                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                     |                 | 3,4 m | 366.846   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Carrying case L-BOXX®<br>        | The robust storage and transport system L-BOXX® made of impact-resistant plastic conveys tools, accessories and consumables easily and comfortably to the place of use. Elaborate inserts provide order and clarity, ergonomically shaped handles and additional moulded recesses for flexible and comfortable handling. The unbeatable simple connection and disconnection of the different L-BOXXes optimises combined transportation. Fits the TÜV-tested in-vehicle equipment system from Sortimo perfectly and without adapters. Load capacity per L-BOXX® up to 25 kg, combined transportation up to 40 kg, the cover can be loaded up to 100 kg. Splash-proof. Without insert. | TK-L 238              |                     |                 | 1     | 414.093   | ■         |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                     |                 |       |           |           |
| Case insert                                                                                                         | Matching insert for CS 60 WET for carrying case L-BOXX® 238.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TKE CS60              |                     |                 | 1     | 436.771   | ■         |

■ suitable  
- not suitable

## FLEX in the L-BOXX®

### Flexible and intelligent mobility.

The L-BOXX® is the complete mobility solution for craft trades, industry and service companies. The high-quality lightweight box provides sufficient space and security. Whether it's heavy material, customer samples or tools, the L-BOXX® transports everything from the vehicle to the place where they're needed.

Thanks to the various partitioning possibilities it offers, the L-BOXX® keeps things in order and delivers both universal functions and great versatility. The L-BOXX® can be integrated seamlessly into the Sortimo Globelyst system on shelves, case tables and mobile box rails.

The quick click system enables the boxes to be effortlessly connected to each other and then be separated again at the press of a button is easy to use.

The L-BOXXes are made of impact-resistant ABS plastic, and are above all else practical. They score points with their mobility in four sizes, their compatibility and their usefulness: Whether it's the robust fastener, the plastic carrying handle integrated into the lid or the trade-specific inserts to suit any size – simply put, their many features are practical. The load capacity is up to 25 kg per L-BOXX®, and up to 40 kg when transported in combination. The load capacity of the lid is up to 100 kg. The L-BOXX® is also splashwater-protected.

The fastener also works without any problems in the vehicle equipment, on shelves or on the MultiSlide. Fits perfectly and without an adapter onto the TÜV-approved Sortimo vehicle equipment system.

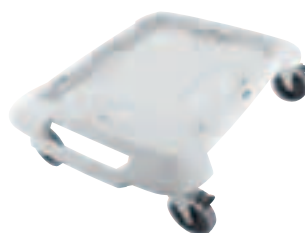




#### TK-L 102

The L-BOXX® TK-L 102 has two carrying handles: One handle integrated into the lid and one front handle. The two handles provide for even better handling.

| External dimensions<br>L x W x H | Internal dimensions<br>L x W x H | Weight | Order no. |
|----------------------------------|----------------------------------|--------|-----------|
| 442 x 357 x 117 mm               | 378 x 313 x 71 mm                | 2.1 kg | 414.077   |



#### Trolley L-BOXX®

The practical mobile platform for all L-BOXX® models. They can simply be clicked into place. Made of plastic and with four castors, two of which can be locked. Load capacity up to 100 kg.

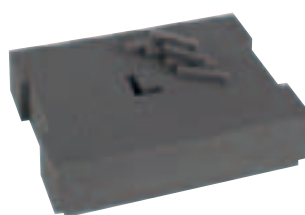
| Dimensions<br>L x W x H | Weight | Order no. |
|-------------------------|--------|-----------|
| 646 x 492 x 182 mm      | 3.8 kg | 419.400   |



#### TK-L 136

The L-BOXX® TK-L 136 has two carrying handles: One handle integrated into the lid and one front handle. The two handles provide for even better handling.

| External dimensions<br>L x W x H | Internal dimensions<br>L x W x H | Weight | Order no. |
|----------------------------------|----------------------------------|--------|-----------|
| 442 x 357 x 151 mm               | 378 x 306 x 107 mm               | 2.2 kg | 414.085   |



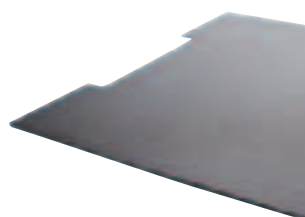
#### Grid foam insert L-BOXX®

Grid foam insert for the L-BOXX® type 136. The perforated foam allows the foam insert to be individually adjusted to the contents.

| Order no. |
|-----------|
| 419.370   |



#### TK-L 238



#### Anti slip insert L-BOXX®

Soft insert mat made of rubber suitable for the L-BOXX® type 238. Protects the boxx and the material on the floor from damage during transportation.

| External dimensions<br>L x W x H | Internal dimensions<br>L x W x H | Weight | Order no. |
|----------------------------------|----------------------------------|--------|-----------|
| 442 x 357 x 253 mm               | 378 x 306 x 209 mm               | 2.8 kg | 414.093   |

| Designation | Dimensions<br>L x W x H | Order no. |
|-------------|-------------------------|-----------|
| TKE-AR 238  | 378 x 306 x 4 mm        | 419.389   |
| TKE-AR 374  | 378 x 296 x 4 mm        | 419.397   |



#### TK-L 374

| External dimensions<br>L x W x H | Internal dimensions<br>L x W x H | Weight | Order no. |
|----------------------------------|----------------------------------|--------|-----------|
| 442 x 357 x 389 mm               | 378 x 296 x 345 mm               | 3.4 kg | 414.107   |





## FLEX L-BOXX® system

### Which machine fits where?

| Machine                            | the right insert       | Part No. Insert | the right L-BOXX | Part No. L-BOXX® |
|------------------------------------|------------------------|-----------------|------------------|------------------|
| BME 14-3 INOX Set                  | TKE BSE/BRE14-3        | 433.918         | TK-L 238         | 414.093          |
| BRE 14-3 125                       | TKE BSE/BRE14-3        | 433.918         | TK-L 238         | 414.093          |
| BSE 14-3 100                       | TKE BSE/BRE14-3        | 433.918         | TK-L 238         | 414.093          |
| CHE 18.0-EC                        | TKE CHE 18.0-EC        | 435.945         | TK-L 238         | 414.093          |
| CHE 2-28 SDS-plus                  | TKE CHE 2-28/FHE 2-22  | 414.042         | TK-L 136         | 414.085          |
| CHE 4-32 SDS-plus                  | TKE CHE 4-32           | 429.104         | TK-L 238         | 414.093          |
| CS 60 WET                          | TKE CS 60 WET II       | 436.771         | TK-L 238         | 414.093          |
| DD 2G 18.0                         | TKE DD/PD/ID 18.0      | 423.238         | TK-L 136         | 414.085          |
| F 1109                             | TKE F1109              | 434.248         | TK-L 238         | 414.093          |
| FBE 8-140                          | TKE FBE8-140           | 436.623         | TK-L 238         | 414.093          |
| FHE 2-22 SDS-plus                  | TKE CHE 2-28/FHE 2-22  | 414.042         | TK-L 136         | 414.085          |
| ID 1/4" 18.0                       | TKE DD/PD/ID 18.0      | 423.238         | TK-L 136         | 414.085          |
| L 10-10 125                        | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 1506 VR                          | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 1710 FRA                         | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 3309 FR                          | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 3309 FRG                         | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 3410 FR                          | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 3410 VR                          | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 8-11 115                         | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| L 8-11 125                         | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| LD 15-10 125 Kit                   | TKE LD 15-10 125       | 414.131         | TK-L 238         | 414.093          |
| LD 15-10 125 R Kit                 | TKE LD 15-10 125       | 414.131         | TK-L 238         | 414.093          |
| LE 14-7 125                        | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| LE 9-11 125                        | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| LE 9-11 125 L-BOXX®                | TKE 1 HD               | 414.204         | TK-L 136         | 414.085          |
| LLK 1503 VR                        | TKE LLK1503            | 436.658         | TK-L 238         | 414.093          |
| ODE 100-2                          | TKE OSE/ODE/ORE 125    | 412.198         | TK-L 136         | 414.085          |
| ORE 125-2                          | TKE OSE/ODE/ORE 125    | 412.198         | TK-L 136         | 414.085          |
| ORE 150-3                          | TKE ORE 150            | 407.895         | TK-L 238         | 414.093          |
| ORE 150-5                          | TKE ORE 150            | 407.895         | TK-L 238         | 414.093          |
| OSE 80-2                           | TKE OSE/ODE/ORE 125    | 412.198         | TK-L 136         | 414.085          |
| PD 2G 18.0                         | TKE DD/PD/ID 18.0      | 423.238         | TK-L 136         | 414.085          |
| RE 14-5 115 Kit                    | TKE RE 14-5            | 414.182         | TK-L 238         | 414.093          |
| RS 29 18.0                         | TKE RS 18.0            | 423.246         | TK-L 238         | 414.093          |
| SE 14-2 125 Set                    | TKE SE 14-2 125/150    | 414.158         | TK-L 238         | 414.093          |
| SE 14-2 150 Set                    | TKE SE 14-2 125/150    | 414.158         | TK-L 238         | 414.093          |
| Triple-Set ORE/ODE/OSE             | TKE OSE+ODE+ORE Triple | 414.174         | TK-L 238         | 414.093          |
| Accessories Ø 130 mm + compartment | TKE 4xD130/1x 135x295  | 414.166         | TK-L 102         | 414.077          |
| Accessories Ø 150 mm               | TKE 4xD150             | 407.704         | TK-L 136         | 414.085          |



## FLEX carrying bag/carrying case system

### Which machine fits where?



| Machine            | the right insert                                                  | Part No. Insert          | the right case/<br>transport bag | Part No. case/<br>transport bag |
|--------------------|-------------------------------------------------------------------|--------------------------|----------------------------------|---------------------------------|
| ALC 1-360 + LR1    |                                                                   |                          | TK-S ALC 1-360                   | 393.649                         |
| ALC 2-F + ALC 2/1  |                                                                   |                          | TK-S ALC 2-F                     | 393.657                         |
| ALC 2/1 + LR1      |                                                                   |                          | TK-S ALC 2/1                     | 393.908                         |
| BED 18             |                                                                   |                          | Metal carrying case BED 18       | 293.008                         |
| BHW 1549 VR        |                                                                   |                          | Case, universal varnished        | 273.686                         |
| DH 5 SDS max       |                                                                   |                          | TK-S DH 5 SDS max                | 402.583                         |
| GE 5               | 1) TBE-T GE5 Top part<br>2) TBE-B GE5 Bottom part                 | 1) 408.735<br>2) 408.743 | TB-L 1560x290x30                 | 408.867                         |
| L 1503 VR          |                                                                   |                          | TB-L 460x260x300                 | 333.573                         |
| L 1503 VR          | 1) TKE-B PE14/XC for case bottom<br>2) TKE-T PE14/XC for case lid | 1) 377.228<br>2) 377.201 | TK-L 528x368x125/65              | 377.198                         |
| L 21-6 230         |                                                                   |                          | TK-S Multi                       | 329.908                         |
| L 24-6 230         |                                                                   |                          | TK-S Multi                       | 329.908                         |
| LD 18-7 125 R      |                                                                   |                          | TK-S Multi                       | 329.908                         |
| LD 18-7 150 R      |                                                                   |                          | TK-S Multi                       | 329.908                         |
| LD 24-6 180        |                                                                   |                          | TK-S Multi                       | 329.908                         |
| MS 1706 FR         |                                                                   |                          | TK-S MS1706 FR                   | 327.034                         |
| PE 14-1 180        |                                                                   |                          | TB-L 460x260x300                 | 333.573                         |
| PE 14-1 180        | 1) TKE-B PE14/XC for case bottom<br>2) TKE-T PE14/XC for case lid | 1) 377.228<br>2) 377.201 | TK-L 528x368x125/65              | 377.198                         |
| PE 14-2 150        |                                                                   |                          | TB-L 460x260x300                 | 333.573                         |
| PE 14-2 150        | 1) TKE-B PE14/XC for case bottom<br>2) TKE-T PE14/XC for case lid | 1) 377.228<br>2) 377.201 | TK-L 528x368x125/65              | 377.198                         |
| PE 14-3 125        |                                                                   |                          | TB-L 460x260x300                 | 333.573                         |
| PE 14-3 125        | 1) TKE-B PE14/XC for case bottom<br>2) TKE-T PE14/XC for case lid | 1) 377.228<br>2) 377.201 | TK-L 528x368x125/65              | 377.198                         |
| RS 11-28           |                                                                   |                          | TK-S RS 11-18                    | 436.607                         |
| S 2902 VV          |                                                                   |                          | Case S2902VV                     | 913.047                         |
| SK 602 VV          |                                                                   |                          | TK-S Multi                       | 329.908                         |
| SKE 2902 VV        |                                                                   |                          | Case SKD/SKE2902VV               | 912.880                         |
| SR 602 VE          |                                                                   |                          | TK-S Multi                       | 329.908                         |
| SR 602 VV          |                                                                   |                          | TK-S Multi                       | 329.908                         |
| ST 1005 VE         | TKE FBE8-140                                                      | 319.155                  | TK-L 609x409x142                 | 315.850                         |
| WSE 7              | 1) TKE-B WSE7 for case bottom<br>2) TKE-T WSE7 for case lid       | 1) 383.899<br>2) 383.902 | TK-L 609x409x201                 | 366.641                         |
| WST 1000 FV        |                                                                   |                          | TB-L 1560x290x300                | 408.867                         |
| WST 1000 FV        |                                                                   |                          | TK-S WST/WSE7                    | 389.986                         |
| WST 700 VV + WSE 7 |                                                                   |                          | TB-L 1560x290x300                | 408.867                         |
| WST 700 VV + WSE 7 |                                                                   |                          | TK-S WST/WSE7                    | 389.986                         |
| XC 3401 VRG        |                                                                   |                          | TB-L 460x260x300                 | 333.573                         |
| XC 3401 VRG        | 1) TKE-B PE14/XC for case bottom<br>2) TKE-T PE14/XC for case lid | 1) 377.228<br>2) 377.201 | TK-L 528x368x125/65              | 377.198                         |

## For your safety.

### Electrical safety of operation

Faulty tools pose a hazard to the user when precautions are not taken seriously in high voltage areas, to prevent electric shock. FLEX electrical power tools are insulated according to the safety classes I and II from EN 60745.

### Electrical safety devices

#### 1. Machines with water supply

The safety of FLEX machines with water supply is guaranteed as follows:

##### a) Isolating transformer

Devices that are equipped with a plug (position of the earth pin: 12h) acc. to IEC 60309-2 are delivered in safety class II and can be operated only in combination with a isolating transformer according to EN61558.

##### b) Residual current operated device (GFCI)

Machines with a GFCI in the power supply line (trip current 10 mA) are supplied with increased insulation and protective earth conductor (earthed connection of the metal parts that can be touched from outside).

#### 2. Transportable motor driven electrical power tools acc. EN 61029-1

Residual current operated device (GFCI): Machines with a GFCI in the power supply line (trip circuit 30 mA) are supplied with increased insulation and protective earth conductor (earthed connection of the metal parts that can be touched from outside).

### Radio interference suppression

FLEX electrical power tools are shielded according to EN 55014 and EN 61000 according to EU directive 2004/108/EC.

### Details of machine weight

The weights in our catalogue have been established on the basis of the EPTA Procedure 1/2003

### Technical modifications and illustrations.

Our FLEX electrical power tools are always up-dated to the current state of the art. We therefore reserve the right to change technical specifications. Illustrations are also non-binding.

FLEX machines meet all legal trade and professional association safety regulations. FLEX stands for practical solutions and professional quality down to the last detail. Should there be any faults on a machine, the FLEX manufacturer warranty will take care of it, quickly and unbureaucratically.



## Good for the environment.

FLEX receives 100 % of its electricity from green power, thus making an active contribution towards protecting our environment and the sustainable use of our resources.

This means electricity generated in an environmentally-friendly way from wind, hydroelectric and solar energy, geothermal power or sustainably cultivated biomass. No uranium or fossil fuels such as coal, oil and gas are used to produce energy.

Energy is produced in sustainable hydroelectric plants that meet modern environmental standards and that are connected to the European power supply system. The green electricity guarantees of origin comply with criteria catalogue 1304 of TÜV Nord.

FLEX-Elektrowerkzeuge GmbH achieves climate neutrality in calculated electricity consumption. Using green electricity prevents 1,500 tonnes of CO<sub>2</sub> that would otherwise affect climate.



## Tuning for FLEX machines.

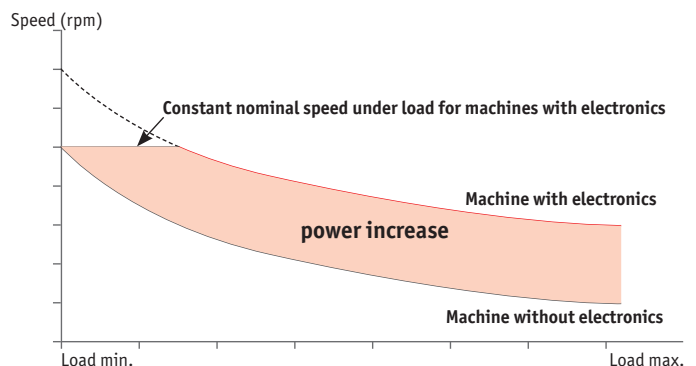
More power, gradual acceleration of the speed that is easy on the motor, speeds kept in the optimal range, and safe protection from overload. Those are, briefly summarised, the typical characteristics of FLEX electronics.

A further advantage on machines with greater wattage is the starting-current limitation. It briefly reduces the high starting current and thus prevents the tripping of the fuse in the mains.

The tachometer generator is also a technology with many great features. It constantly monitors the speed of the armature. If it deviates from the nominal value, the current is regulated appropriately. It goes full throttle for example if there is an extra load until the set speed has been reached again.

If the motor is unduly loaded, the drawing of current is automatically reduced to a "healthy" level. In highly loaded motors a temperature monitoring with PTC resistance is fitted. It protects the windings from overheating and overloading.

**Using FLEX electronics, the motor output can be increased up to 40% compared with machines which are not supported electronically.**



*Thanks to the electronic increase in output, the machine can extend its nominal speed or the set nominal speed (with variable speed control) even under load compared with a machine which is not supported electronically. To achieve this without electronics, a more powerful motor would have to be used. This would result in a heavier and more unwieldy machine. The constantly maintained nominal speed also provides more efficient cooling. This increases the service life of the machine considerably.*

## Service

How to find us

**FLEX-Elektrowerkzeuge GmbH**  
**Bahnhofstrasse 15**  
**71711 Steinheim/Germany**  
**Phone: +49 (0) 7144 828-0**  
**Fax: +49 (0) 7144 25899**  
**Internet: [www.flex-tools.com](http://www.flex-tools.com)**



### FLEX Customer service

Our customer service can be reached by phone Monday through Friday and any day via the Internet. For all questions about FLEX quality electrical power tools, accessories, and spare parts, but also for quick referral to the nearest FLEX dealer in your area.

#### Customer service:

**Phone: +49 (0) 7144 828-0**  
**Fax: +49 (0) 7144 25899**  
**E-mail: [info@flex-tools.com](mailto:info@flex-tools.com)**  
**Internet: [www.flex-tools.com](http://www.flex-tools.com)**

Should you wish to give us your opinion, make suggestions on improving FLEX machines, or tell us how we can expand our program – please send us an e-mail: **[IhreMeinung@flex-tools.com](mailto:IhreMeinung@flex-tools.com)**

### FLEX Service centre

In case your FLEX requires service - no problem: You send your machine with a brief fault description to our local service centre, we will carry out the service and send your FLEX back to you as fast as possible. And should you have any questions on the technology or the accessories, just give us a call.

### FLEX retailers

No question: advance technology is accompanied by knowledgeable specialist consulting. That is why FLEX quality electrical power tools are available exclusively from qualified dealers. And qualified means in this case: Whoever is a FLEX dealer has been trained on FLEX and has competent answers for the trickiest questions.





