

FLEX

Das Original



Power Tools 2019/2020



Electric power tools for professionals

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FLEX. The original.

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.





Hermann Schmitt, Hermann Ackermann
company founders and inventors of the angle
grinder

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.

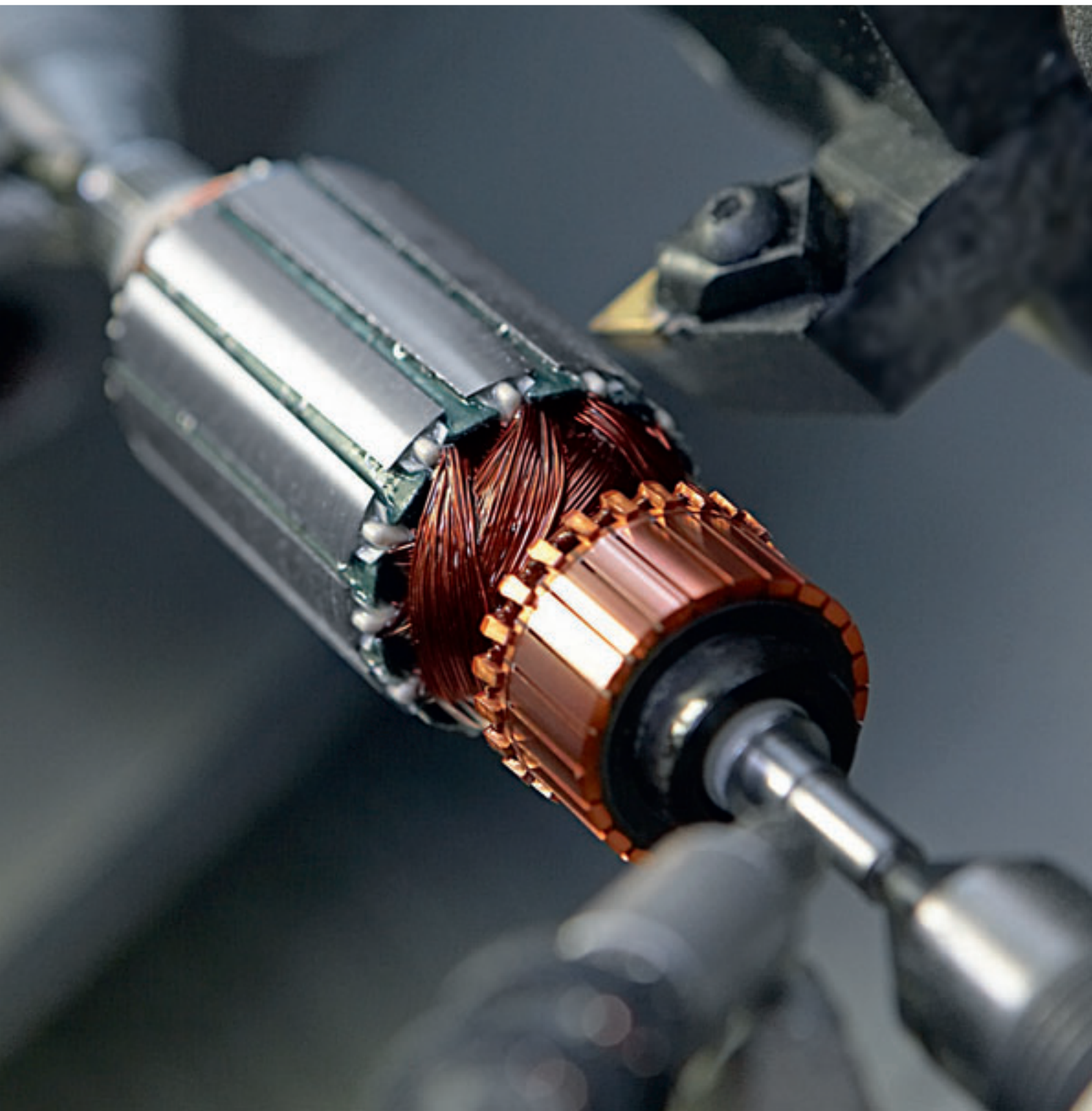
From the shaft to today’s angle grinder.

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.

At FLEX, we like to do things ourselves. This starts at the development stage, continues with the motor manufacture and concludes with a finished concept for the product. We are particularly proud of our vertical integration, because this is the only way we can ensure the high quality and uniqueness of the original.

The use of the latest manufacturing techniques in motor production, steel and aluminium machining and continuous quality controls in all subsequent manufacturing stages safeguard the FLEX high standard of quality.

Modern machining tools guarantee a high level of flexibility in production and allow FLEX to react to special customer requests in a very short time. Quality and functional checks during the complete production process are the norm at FLEX.

In the FLEX test department, the quality and function of all new developments and existing products are continually tested on test stands as well as under realistic conditions of continuous use.

The ongoing further training of staff is a fundamental requirement for FLEX to be able to use the latest manufacturing methods in the future as well.



Angle grinders

Straight grinders

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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NEW PRODUCTS



LB 17-11 125
1700 watt angle grinder

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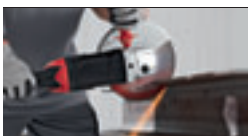


LBE 17-11 125
1700 watt angle grinder

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Overview

Angle grinders / Straight grinders

1

Material	Applications					
		L8-11 115 / 125	LE 9-11 125	L 10-11 125	L 1506 VR	
	Disc Ø mm	115 / 125	125	125	125	
	Power in watts	800	900	1050	1200	
	rpm	11.500	6.000-11.500	11.500	2.200-6.800	
	Brake					
	Variable speed		yes		yes	
	Steel black, galvanized, non-tempered	Rough grinding discs	■	■	■	
		Cutting discs*	■	■	■	
		Surface grinding discs	■	■	■	■
		Surface grinding velcro discs		■		■
		Surface grinding fibre discs	■	■	■	
		Cup-type disc brushes**	■	■	■	■
		Paint-stripping and cleaning discs**	■	■	■	■
	Corrosion-proof steel	Cutting discs*	■	■	■	■
		Surface grinding discs		■		■
		Surface grinding velcro discs		■		■
		Surface grinding fibre discs		■		
		Cup-type disc brushes**		■		■
		Paint-stripping and cleaning discs**		■		■
		Polishing discs, polishing fleeces etc.				■
	Cast steel	Rough grinding discs	■	■	■	
		Cutting discs*	■	■	■	■
		Surface grinding discs		■		■
		Surface grinding fibre discs		■		
	Non-ferrous metals, synthetic materials	Cutting discs*	■	■	■	■
		Surface grinding discs		■		■
		Surface grinding velcro discs		■		■
		Polishing discs, polishing fleeces etc.		■		■
		Polishing discs, polishing fleeces etc.				■
	Concrete, artificial/nat- ural stone and sandstone, clay	Diamond cutting discs	■	■	■	■
		Diamond cup-shaped discs			■	
		Diamond surface grinding pads				■

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.

L 14-11 125	LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	L 15-10 150	LB 17-11 125	LBE 17-11 125	L 125 18.0-EC	L 21-8 180 L 21-6 230	L 26-6 230
125	125	125	125	150	125	125	125	180 / 230	230
1400	1400	1400	1400	1500	1700	1700	18 V	2100	2600
11.500	2.800-11.500	2.100-7.500	2.100-7.500	10.000	11.500	2.800-11.500	8.500	8.500 / 6.500	6.500
	yes	yes	yes		yes	yes			

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■ suitable ■ suitable to a certain degree

Cordless accessories see page 110

1700 watt angle grinder – with mechanical brake

The high-quality, powerful angle grinder for cutting, roughing down, and grinding convinces with its sophisticated electronics, outstanding performance and high level of efficiency. Moreover, optimised cooling and modified brush geometry give the tool a long service life even when operating under high loads.

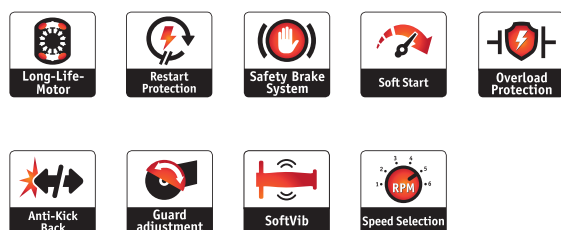
- 1 **Dust protection**
Extensive dust protection for motor and gears
- 2 **Microprocessor control**
with soft start, restart protection after power failure, overload protection, CDC-electronic feedback control
- 3 **The mechanical brake**
stops the tool in 3.5 seconds
- 4 **Lockable slide switch**
- 5 **SoftVib hand grip**
SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- 6 **Tool-free adjustment of safety guard**



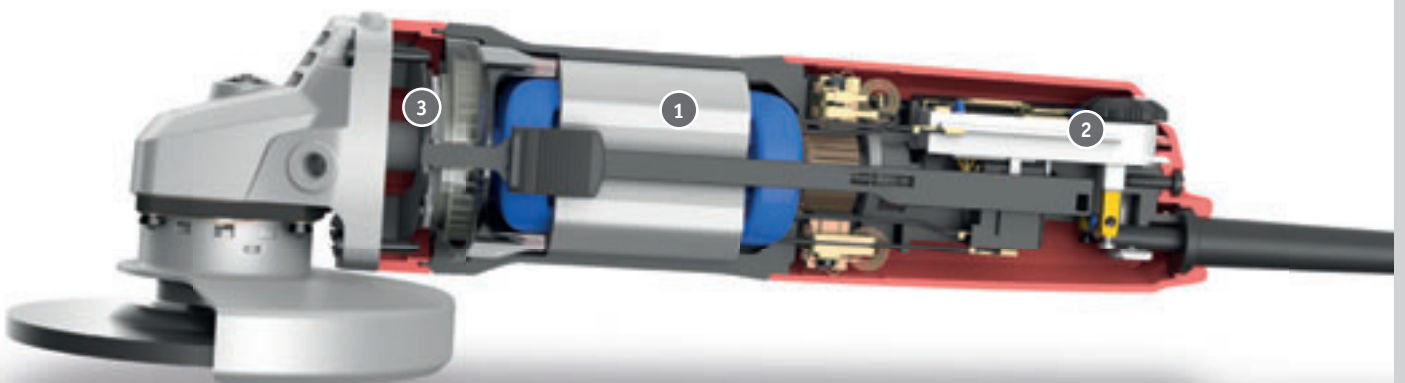
Spindle lock



Speed control
only for LBE 17-11 125



only for
LBE 17-11 125



Angle grinders/straight grinders

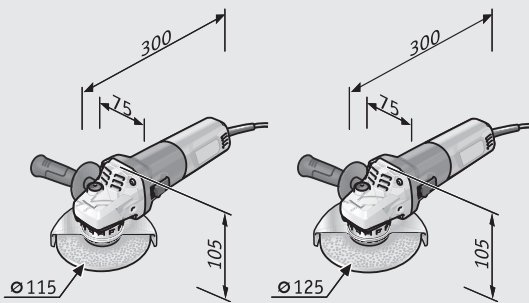
L 8-11 115

L 8-11 125



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	460 watt
Tool fixture	M 14
Cable length	4.0 m
Weight	2.0 kg



800 watt angle grinder

- Microprocessor control with soft start, restart protection after power failure, overload protection
- Highly efficient and resilient motor for more power output
- Longer service life thanks to optimised cooling and revised carbon geometry
- Extensive dust protection for motor and gears
- Anti-Kickback – this shuts down the motor on the disc being blocked
- 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.

Standard equipment	Order no.
L 8-11 115	458.341
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
L 8-11 125	458.333
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

Accessories from page 27



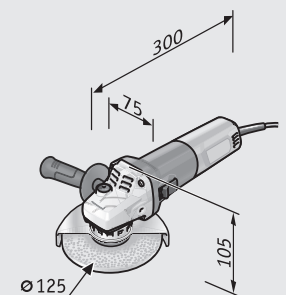
Universal 900 watt angle grinder, 125 mm

- Microprocessor electronics: with tachogenerator constant speed control, speed control, soft start, restart protection after power failure, overload protection
- Variable speed adjustment (6 settings)
- Highly efficient and resilient motor for more power output
- Longer service life thanks to optimised cooling and revised carbon geometry
- Extensive dust protection for motor and gears
- Extremely light and handy
- Compact, narrow and ergonomic shape
- Anti-Kickback – 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

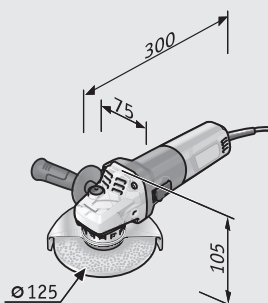


Standard equipment	Order no.
LE 9-11 125	436.291
1 guard grinding 125 Ø	436.860
1 handle	437.921
1 clamping flange	335.282
1 clamping nut M14	100.080
1 pin wrench	100.110
LE 9-11 125 L-BOXX	436.739
1 guard grinding 125 Ø	436.860
1 handle	437.921
1 clamping flange	335.282
1 clamping nut M14	100.080
1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



SPECIFICATIONS

Max. disc diameter	125 mm
No load speed	11500 rpm
Power input	1050 watt
Power output	650 watt
Tool fixture	M 14
Size (L x H)	300 x 105 mm
Cable length	4.0 m
Weight	2.0 kg



Universal 1050 watt angle grinder, 125 mm

- Microprocessor control with soft start, restart protection after power failure, temperature monitoring, CDC-electronic feedback control
- Highly efficient and resilient motor for more power output
- Longer service life thanks to optimised cooling and revised carbon geometry
- Extensive dust protection for motor and gears
- Extremely light and handy
- Compact, narrow and ergonomic shape
- Anti-Kickback – this shuts down the motor on the disc being blocked
- Tool-free adjustment of safety guard
- 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



Standard equipment	Order no.
L 10-11 125	447.552
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



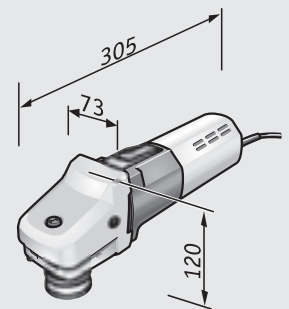
1200 watt angle grinder, 125 mm

- 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



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



Standard equipment	Order no.
L 1506 VR	437.972
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 hook and loop backing pad 115 Ø	208.817

Angle grinders/straight grinders

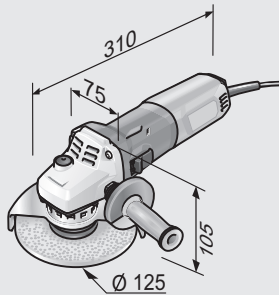
L 14-11 125

LE 14-11 125



SPECIFICATIONS

Max. disc diameter	125 mm
No load speed L 14-11 125	11500 rpm
No load speed LE 14-11 125	2800-11500 rpm
Power input	1400 watt
Power output	880 watt
Tool fixture	M 14
Size (L x H)	310 x 105 mm
Cable length	4.0 m
Weight	2.3 kg



1400 watt angle grinder with superior torque, 125 mm

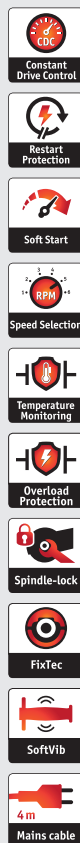
- Microprocessor control with soft start, restart protection after power failure, temperature monitoring, CDC-electronic feedback control
- Highly efficient and resilient motor for more power output
- Longer service life thanks to optimised cooling and revised carbon geometry
- Extensive dust protection for motor and gears
- Compact, narrow and ergonomic shape
- Anti-Kickback – 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
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- Please note the maximum speed (rpm) of the accessories
- This machine is also available in 110 V (only LE 14-11 125)

Standard equipment	Order no.
L 14-11 125	447.560
1 guard grinding 125 Ø	436.860
1 SoftVib handle	316.857
1 clamping flange	335.282
1 clamping nut M14	100.080
LE 14-11 125	447.587
1 guard grinding 125 Ø	436.860
1 SoftVib handle	316.857
1 clamping flange	335.282
1 clamping nut M14	100.080



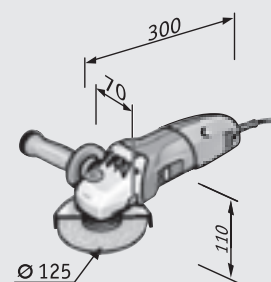
1400 watt INOXFLEX, specialist for stainless steels and steel alloys, 125 mm

- 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 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



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

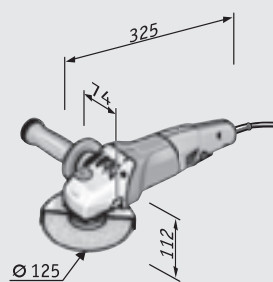








Standard equipment	Order no.
LE 14-7 125 INOX	406.546
1 guard grinding 125 Ø	394.394
1 SoftVib handle	325.376
1 clamping flange	191.612
1 FixTec quick-clamp nut M 14	313.459



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



-  Constant Drive Control
-  Restart Protection
-  Soft Start
-  Speed Selection
-  Temperature Monitoring
-  Overload Protection
-  Spindle-lock
-  FixTec
-  SoftVib
-  4 m Mains cable

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.
L 3406 VRG	406.503
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



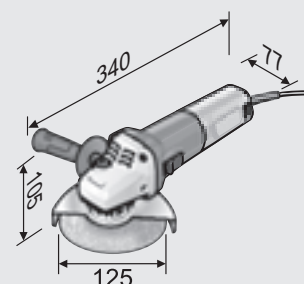
1700 watt angle grinder with brake, 125 mm

- Microprocessor control with soft start, restart protection after power failure, overload protection, CDC-electronic feedback control
- Highly efficient and resilient motor for more power output
- Longer service life thanks to optimised cooling and revised carbon geometry
- Extensive dust protection for motor and gears
- With mechanical brake, the tool stops in 3.5 seconds
- Anti-Kickback – this shuts down the motor on the disc being blocked
- Compact, narrow and ergonomic shape
- Tool-free adjustment of safety guard
- Lockable slide switch
- Spindle lock
- SoftVib handgrip with integrated, patented locknut wrench and vibration damping
- High-quality, powerful angle grinder for cutting, roughing down, and grinding

- Long-Life-Motor
- Restart Protection
- Safety Brake System
- Soft Start
- Speed Selection
- Overload Protection
- Anti-Kick Back
- Spindle-lock
- SoftVib
- 4 m Mains cable

SPECIFICATIONS

Max. disc diameter	125 mm
No load speed LB 17-11 125	11500 rpm
No load speed LBE 17-11 125	2800-11500 rpm
Power input	1700 watt
Power output	1050 watt
Tool fixture	M 14
Size (L x H)	340 x 105 mm
Cable length	4.0 m
Weight	2.6 kg

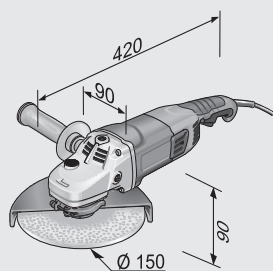


Standard equipment	Order no.
LB 17-11 125	447.625
1 guard grinding 125 Ø	436.860
1 SoftVib handle	316.857
1 clamping flange	335.282
1 clamping nut M14	100.080
LBE 17-11 125	447.668
1 guard grinding 125 Ø	436.860
1 SoftVib handle	316.857
1 clamping flange	335.282
1 clamping nut M14	100.080



SPECIFICATIONS

Max. disc diameter	150 mm
No load speed	10000 rpm
Power input	1500 watt
Power output	880 watt
Tool fixture	M 14
Clamping collar Ø	45 mm
Cable length	4.0 m
Weight	3.6 kg



1500 watt angle grinder, 150 mm

- Microprocessor control with 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
- Tool-free adjustable guard hood with clamping lever
- Rear shaft handle with soft insert for secure grip, suitable for continuous use
- Spindle lock
- Side handgrip

Standard equipment	Order no.
L 15-10 150	447.609
1 guard grinding 150 Ø	461.881
1 handle	461.873
1 clamping flange	335.282
1 clamping nut M14	100.080
1 pin wrench	100.110



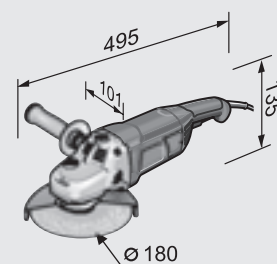
2100 watt angle grinder, 180 mm

- 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 slim 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
- Disc guard cover for cutting guard (446.718), as an optional accessory



SPECIFICATIONS

Max. disc diameter	180 mm
No load speed	8300 rpm
Power input	2100 watt
Power output	1250 watt
Tool fixture	M 14
Clamping collar Ø	64 mm
Cable length	4.0 m
Weight	5.2 kg

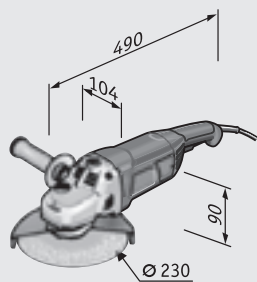


Standard equipment	Order no.
L 21-8 180	392.782
1 guard grinding 180 Ø	416.517
1 SoftVib handle	325.384
1 pin wrench BL 5	100.110
1 clamping flange	338.753
1 clamping nut M14	100.080



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	5.4 kg



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 slim 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 (389.625) or cover for cutting guard (446.068), as an optional accessory



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



2600 watt angle grinder T-Rex with enormous reserves of power, 230 mm

- Microprocessor control with soft start, restart protection after power failure, overload protection, CDC-electronic feedback control
- Anti-Kickback – this shuts down the motor on the disc being blocked
- 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
- Highly efficient and resilient motor for more power output
- 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. The grip area turns 90° to the right and left for an optimum working position
- Spindle lock
- Removable covering cap for easy change of carbon brushes
- Tool-free adjustment of safety guard
- Cutting guard (389.625) or cover for cutting guard (446.068), as an optional accessory
- This machine is also available in 110 V



Constant Drive Control



Restart Protection



Soft Start



Overload Protection



Anti-Kick Back



Spindle-lock



SoftVib



Vibration Protection



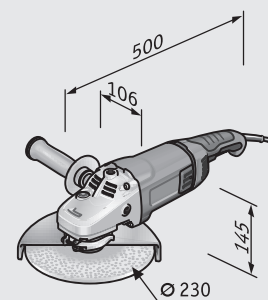
Rotatable Rear Handle



Mains cable

SPECIFICATIONS

Max. disc diameter	230 mm
No load speed	6500 rpm
Power input	2600 watt
Power output	1800 watt
Tool fixture	M 14
Clamping collar Ø	64 mm
Cable length	4.0 m
Weight	6.35 kg



Standard equipment

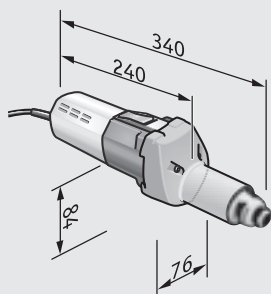
Order no.

L 26-6 230	436.704
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 hexagon socket wrench, SW 6	104.167
1 SDS-Clic quick-clamp nut M 14	253.049



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	2500-6500 rpm
Power input	710 watt
Power output	420 watt
Cable length	4.0 m
Weight	2.1 kg



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

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



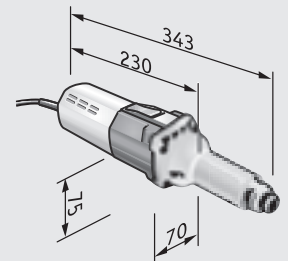
710 watt variable high-speed straight grinder

- 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



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



Standard equipment	Order no.
H 1127 VE	270.067
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



Guards for FLEX angle grinders



Sanding guard

Cutting guard

Required when using resin-bonded wheels

Suitable for	Ø 115	Ø 125	Ø 150	Ø 180	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 125 18.0-EC		436.860				437.069	
L 10-11 125		436.860				437.069	
LB/LBE 17-11 125		436.860				437.069	
LE 14-7 125 INOX		394.394				409.774	
L 1506 VR		394.394					
L 14-11 125		436.860				409.774	
LE 14-11 125		436.860				409.774	
L 3406 VRG		394.394					
L 15-10 150			461.881*				
L 21-8 180				416.517*			
L 21-6 230					338.729*		389.625**
L 26-6 230					338.729*		389.625**

* Sanding guard with clamp







** Cutting guard with clamp





Angle grinders/straight grinders

Accessories

1

Angle grinders/straight grinders

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230	H 1105 VE	H 1127 VE	
	with clamping nut		3 Ø		1	229.741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			1/4" Ø		1	229.776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			6 Ø		1	228.656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			8 Ø		1	229.768	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Extraction hood kit for working with cutting discs for 125 mm angle grinders. Consisting of extractor and aluminium cover. Can be fitted to the existing guard without using any tools.	DE AG D125 Set	125		1	445.479	-	■	■	-	■	■	-	■	-	-	-	-	-	-	
	Extraction hood kit for working with cutting discs for 230 mm angle grinders. Consisting of extractor with guide wheel and aluminium cover. Can be fitted to the existing guard without using any tools.	DE AG D230 Set	230		1	445.487	-	-	-	-	-	-	-	-	-	-	■	■	-	-	
	For tool-free conversion of the existing guard for cutting work.	GU-AD D125	125		1	446.041	-	■	■	-	■	■	-	■	-	-	-	-	-	-	
		GU-AD D150	150		1	454.087	-	-	-	-	-	-	-	-	■	-	-	-	-	-	-
		GU-AD D180	180		1	446.718	-	-	-	-	-	-	-	-	-	■	-	-	-	-	-
		GU-AD D230	230		1	446.068	-	-	-	-	-	-	-	-	-	-	-	■	■	-	-
	Enables the operator to work very close to edges at maximum extraction power. Hexagonal recess bolt for height adjustment allows quick adjustment of extraction hood to tool height. Please note: for working with the guard and a diamond grinding disc we recommend an angle grinder with at least 1400 watt. Only for angle grinder with a guard with latching mechanism.	SG-R D125	125 Ø		1	452.572	-	-	-	-	■	■	■	■	-	-	-	-	-	-	
	Brush ring for dust extraction hood – contains two segment parts.	Brush ring SG-RD 125	125 Ø		1	454.656	-	-	-	-	■	■	■	■	-	-	-	-	-	-	






Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230
Diamantjet - diamond cutting disc, standard, concrete 	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	-	-	-	-	-	-	-	-	-	-	-	■
Diamantjet - diamond cutting disc, premium, tile 	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	-	■	■	-	■	-	-	■	-	-	-	-
Thin cutting disc for stainless steel 	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 	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	-	■	■	■	■	■	■	■	-	-	-	-





Angle grinders/straight grinders

Accessories

1

Angle grinders/straight grinders

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230
 <p>SC-VL polishing flap wheel for metal and stainless steel, cambered</p>	<p>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.</p>		125 Ø x 22.2	medium	5	358.606	-	-	-	-	-	■	■	-	-	-	-	-
 <p>Velcro backing M 14</p>	<p>Elastic backing pad with velcro cover up to 12,000 rpm.</p>		115 Ø		1	208.817	-	-	-	■	-	■	■	■	-	-	-	-
				125 Ø		1	231.983	-	-	-	■	-	■	■	■	-	-	-
 <p>Velcro pad, cushioned M 14</p>	<p>12 mm cell rubber for even pressure distribution for grinding, polishing or sealing cover up to 10,000 rpm. Not for LE 14-11 125/LBE 17-11 125.</p>	BP-M D115 M14	115 Ø		1	240.311	-	-	-	■	-	■	■	■	-	-	-	-
		BP-M D125 M14	125 Ø		1	350.737	-	-	-	■	-	■	■	■	-	-	-	-
 <p>Velcro backing pad</p>	<p>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.</p>	SPD125-8 H/F	125 Ø		1	391.727	-	-	-	-	-	■	-	-	-	-	-	-
 <p>Velcro backing pad "Hook"</p>	<p>Backing pad with foamed base and hook fasteners. Uniform distribution of pressure for sanding and polishing.</p>	Velcro hook	125 Ø x M 14		1	364.584	-	-	-	-	-	■	-	-	-	-	-	-








Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230	
 <p>Velcro sanding paper PURFLEX</p>	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	■	-	-	-	-	-	-	-	-	-	-	-	-
 <p>Velcro sanding paper ZIRCOFLEX</p>	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	-	■	■	■	■	■	■	■	-	-	-	-	-
 <p>Velcro sanding paper CERAFLEX</p>	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	-	■	■	■	■	■	■	■	-	-	-	-	-
 <p>Fillet disc</p>	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	-	-	-	■	■	■	■	■	-	-	-	-	-



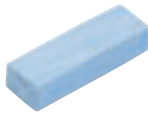


Angle grinders/straight grinders

Accessories

1

Angle grinders/straight grinders

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE 9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230	
Grinding disc 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).	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   	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	-	-	-	-	-	-	■	■	-	-	-	-	-
Superfinishing pad   	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	-	-	-	-	-	-	■	-	-	-	-	-	-

Type	Description	Designation	Typ	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE 9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230
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).	FP D125 S VE5	soft	125 Ø		5	393.355	-	-	-	-	-	■	■	-	-	-	-	-
		FP D125 H VE5	hard	125 Ø		5	393.347	-	-	-	-	-	-	■	■	-	-	-	-
Polishing paste Poli white 	Pre-polishing paste, white, 700 g.					1	255.004	-	-	-	-	-	■	■	-	-	-	-	-
Polishing paste Poli blue 	High gloss paste blue, 700 g.					1	255.005	-	-	-	-	-	■	■	-	-	-	-	-
Polishing cream Poli creme 	Finishing cream, box 1 kg.					1	255.006	-	-	-	-	-	■	■	-	-	-	-	-
Poli set mini white/blue/creme 	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	-	-	-	-	-	■	■	-	-	-	-	-




Angle grinders/straight grinders

Accessories

1

Angle grinders/straight grinders

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L 8-11 115	L 8-/LE 9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230	
	Corrugated, mount M 14		60 Ø		1	124.516	■	■	■	■	■	■	■	■	■	-	-	-	
	Knot-type, mount M 14		65 Ø		1	124.524	■	■	■	■	■	■	■	■	■	-	-	-	
	For tool-less disc change, suitable for discs from Ø 115-150 mm.				1	313.459	■	■	■	■	■	■	■	■	■	-	-	-	
	For tool-less disc change suitable for discs from Ø 150-230 mm.				1	253.049	-	-	-	-	-	-	-	-	-	■	■	■	
	SoftVib handle with integral, patented pin wrench (DE10117835A1) and vibration cushioning.	GS-M M8 SV/S	M 8		1	316.857	■	■	■	■	■	■	■	■	-	-	-	-	
	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 SV	M 8		1	325.376	■	■	■	■	■	■	■	■	-	-	-	-	
		GS-M M14 SV	M 14		1	325.384	-	-	-	-	-	-	-	-	-	■	■	■	
	Handle for angle grinder, thread M 8.	GS-K/II M8	M 8		1	437.921	■	■	■	■	■	■	■	■	-	-	-	-	
	Handle for angle grinder, thread M10.	GS-K M10	M 10		1	461.873	-	-	-	-	-	-	-	-	■	-	-	-	

Type	Description	Designation	Dimensions in mm	QP	Order no.	L 8-11 115	L 8-/LE 9-11 125	L 10-11 125	L 1506 VR	L 14-11 125/LE 14-11 125	LE 14-7 125 INOX	L 3406 VRG	LB 17-11 125/LBE 17-11 125	L 15-10 150	L 21-8 180	L 21-6 230	L 26-6 230
 <p>Carrying case L-BOXX®</p>	<p>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, with additional front handle.</p>	TK-L 136	442 x 357 x 151	1	414.085	■	■	■	■	■	■	-	■	-	-	-	-
 <p>Carrying case</p>	<p>Impact-resistant plastic box with insert for large angle grinders (up to Ø 230), and renovation grinders LD 18-7 125 R / 150 R, LD 24-6 180. Includes holder for handle, disk up to Ø 230 mm and transparent lidded compartment DIN A5.</p>	TK-S L230/LD180/LD150		1	444.391	-	-	-	-	-	-	-	-	-	■	■	■
 <p>Carrying case</p>	<p>From impact-resistant plastic for LE 14-7 125 with additional space for abrasives. The machine can be stored with mounted side handle.</p>	TK-L 530.375.130	530 x 375 x 130	1	367.192	-	-	-	-	-	■	-	-	-	-	-	-
Case insert	<p>Suitable insert for carrying case L-BOXX® 136. For all angle grinder in the actual range from 800 up to 1400 watt (except L 3406 VRG).</p>	TKE 1 HD		1	414.204	■	■	■	■	■	■	-	■	-	-	-	-
Case insert	<p>Carrying case insert for LE 14-7 125 INOX Set with tidy function.</p>	TKE LE14-7 INOX		1	367.206	-	-	-	-	-	■	-	-	-	-	-	-

Metal surface finishing

Metal surface finishing



Metal surface finishing

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.

The TRINOXFLEX from FLEX is a unique machine for metal surface finishing. The tool is available with an 800-watt or a 1,400-watt drive, so that the choice of the right attachment opens up a wide range of possible applications. The TRINOXFLEX thus becomes a pipe belt sander, a burnishing tool, a band file or a brush at a flick of the wrist. It goes without saying that the attachments are easy to change over and, most importantly, without having to use tools. This means there's nothing standing in the way of that perfect finish.

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NEW PRODUCTS



BME 8-4
800 watt Basic motor

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BF 140
Belt file attachment for
BME 8-4 and BME 14-3

→ Page 40



BS 50
Burnishing attachment for
BME 8-4 and BME 14-3

→ Page 40



BR 50
Pipe belt sander attachment for
BME 8-4 and BME 14-3

→ Page 41

Overview TRINOXFLEX attachments

	 BS 50 Sanding attachment, burnishing	 BR 50 Sanding attachment, pipe belt	 BF 140 Sanding attachment, belt file	 BS 100 Sanding attachment, burnishing	 BR 125 Sanding attachment, pipe belt	 BB 110 Sanding attachment, brushing
System						
Grinding surfaces	■	■	■	■		■
Polish surfaces	■	■	■	■		■
Grinding welds	■	■	■			
Grinding fillet welds	■	■	■			
Grinding fillet welds in difficult-to-access places	■	■	■			
Linear sanding of surfaces	■	■	■	■		■
Linear burnishing of surfaces	■	■	■	■		■
Linear polishing of surfaces	■	■	■	■		■
Grinding pipes	■	■	■	■	■	
Burnish pipes	■	■	■	■	■	
Polish pipes	■	■	■	■	■	
Grinding in difficult-to-access places	■	■	■	■	■	
Polish in difficult-to-access places	■	■	■	■		
Grinding linearly into the corners	■	■	■	■		



TRINOXFLEX BME 8-4 (800 watt)

various sets starting on page 44









TRINOXFLEX BME 14-3 (1400 watt)

various sets starting on page 48

■ highly suitable, highly recommended

■ suitable, recommended

Overview of power tools

 <p>LLK 1503 VR Fillet weld grinder</p>	 <p>LBR 1506 VRA Weld and pipe belt sander</p>	 <p>ST 1005 VE Finger sander</p>	 <p>SE 14-2 125/150 SUPRAFLEX</p>
			
	■		■
			■
	■		■
■			
■			
	■		
	■		
	■		
		■	
Page 52	Page 51	Page 53	Page 146

■ highly suitable, highly recommended

■ suitable, recommended

TRINOXFLEX – Choice of 2 drives, lots of new possibilities

The new compact range with the BME 8-4

The small tool with 800-watt basic motor and variable speed of 0-4,000 rpm for the new compact attachments for burnishing, pipe belt sanding or belt sanding.

The BME 14-3 offers a great choice

The mighty tool is based on a 1,400-watt motor, offers variable speeds from 1,000-3,500 rpm and can be flexibly combined with all attachments.



BF 140 Belt file

- Sanding arms can be exchanged for fast adjustment for belts of 4-30 mm
- Eccentric clamping system makes it easy to change abrasive belts
- Bearing-mounted guide rollers for sanding on the deflection roller as well
- Adjustable sanding arms for fast alignment to the drive roller
- Compact additional handle for exact guidance
- Cover of the drive roller prevents dust flying around



BS 50 Burnishing attachment

- Ergonomic grip to guide the roller safely and precisely when working close to the surface
- The parallel guide can be adjusted at the same time with the quick-action coupling
- Roller cover to protect against injury and flying dust
- 19 mm tool holder for all burnishing rollers up to 50 mm width
- Quick-change system for the roller makes it possible to work close to edges

BME 8-4





Video

**BR 50 pipe belt sander**

- Reinforced plastic collar washers for secure band guidance even in narrow tools
- Hand grip for optimum guidance in tight corners and for small radii
- PUR drive rollers for long service life and low wear and tear
- Protective hood prevents dust flying into the face
- Interchangeable rollers 9 mm / 30 mm for 4-9 mm belts or belts up to 30 mm for sanding tubes up to Ø 50 mm
- Tempered stainless steel collar washers on the drive roller for optimum belt guidance and low wear

**BR 125 pipe belt sander**

- Additional handle to guide the sanding belt safely on the workpiece
- Goose-neck sanding arm for working close to wall junctions
- Protective hood prevents dust flying into the face
- Spring-loaded joint makes it easier to adapt to the radii of the workpieces for pipes up to Ø 125 mm
- Convex, rubber-coated drive roller ensures the belt runs safely in the centre of the drive roller

**BS 100 Burnishing attachment**

- Vibration-damped, ergonomic bail handle
- Guide stop for burnishing narrow workpieces ensures surface pattern is straight
- Detachable protective hood can be removed by means of rotary lock without the need for extra tools, for tool diameters up to 125 mm
- Patented quick-change system for tool-free use

**BB 110 Brushing attachment**

- Attachment for brushing for TRINOXFLEX
- With removable protective cover and Ø 32 mm exhaust connection for low-dust operation
- Includes guide stop and vibration-damped ergonomic grip
- Tool-free interchange of sanding attachment via patented quick-change system

**BME 14-3**

TRINOXFLEX – Efficient handling

TRINOXFLEX is the variable finishing system for stainless steel finishing. The clever changeover system makes the tool an absolute all-rounder so that the basic drive can be expanded at any time with a suitable attachment without a further tool having to be purchased. The patented claw coupling means the various attachments can be positioned on the basic drive and changed over without the need for tools. The operator can thus work particularly effectively, quickly and economically. The TRINOXFLEX is also available in various complete sets or various versions in the L-BOXX®.



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



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.



Constant Drive Control



Restart Protection



Soft Start



Speed Selection



Temperature Monitoring



Overload Protection



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



Clamping lever
Position of tool and handle can be varied



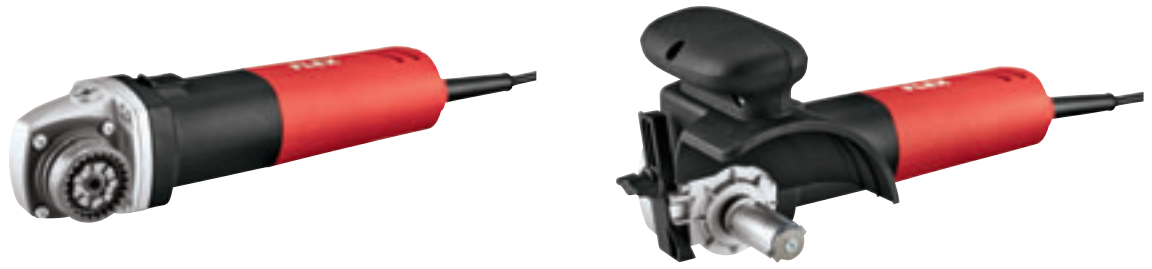
Simple and quick
Simply releasing the clamping lever enables the tool attachment to be changed comfortably and quickly.



Metal surface finishing

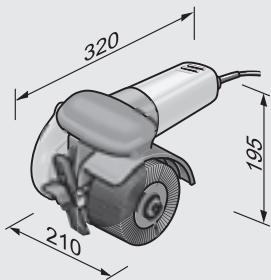
BME 8-4

BSE 8-4 50



SPECIFICATIONS

Power input	800 watt
Power output	325 watt
Max. tool Ø	125 mm
Tool width	50 mm
Tool fixture	Quick-fit coupling
Tool fixture BSE	19 mm
No load speed	1400-4000 rpm
Cable length	4.0 m
Weight BSE	2.3 kg
Weight BME	1.8 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, pipe belt sanding, filing
- Variably adjustable burnishing attachment, allows working close up to the edge with 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
- 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.
BME 8-4 (basic motor)	459.305
BSE 8-4 50	453.404
1 sanding attachment for burnishing BS 50	459.577
1 hexagon socket wrench, SW 4	102.229

Accessories from page 54



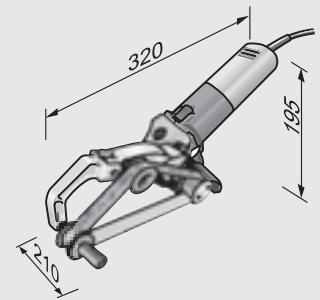
Pipe belt sander TRINOXFLEX Set

- 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, pipe belt sanding, filing
- 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: 533 x 4 - 9 mm, 30 mm only with roller set BR 30 (accessorie)
- High-quality, spring-mounted sanding arm: light alloy with 2 deflection rollers. For optimum wrap-round on pipes, up to max. 270°
- Spindle lock



SPECIFICATIONS

Power input	800 watt
Power output	325 watt
Belt speed	3-8 m/sec
Belt dimensions	533 x 4 / 9 / 30 mm
Pipe Ø max.	50 mm
No load speed	1400-4000 rpm
Cable length	4.0 m
Weight	2.7 kg



Standard equipment

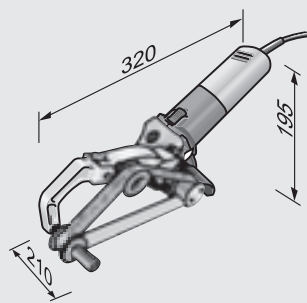
Order no.

Standard equipment	Order no.
BRE 8-4 9	453.420
1 sanding attachment, pipe belt BR 50	459.585
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
1 hexagon socket wrench, SW 4	102.229
1 hexagon socket wrench, SW 6	104.167
1 carrying case L-BOXX® 136	414.085
1 case insert	457.337



SPECIFICATIONS

Power input	800 watt
Power output	325 watt
Belt speed	3-8 m/sec
Belt dimensions	533 x 4 / 9 / 30 mm
Pipe Ø max.	50 mm
No load speed	1400-4000 rpm
Cable length	4.0 m
Weight	2.6 kg



Pipe belt sander and belt file TRINOXFLEX 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, pipe belt sanding, filing
- 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: 533 x 4 - 30 mm
- High-quality, spring-mounted sanding arm: light alloy with 2 deflection rollers. For optimum wrap-round on pipes, up to max. 270°
- Spindle lock



Standard equipment	Order no.
BRE 8-4 INOX Set	453.463
1 sanding attachment, pipe belt BR 50	459.585
1 sanding attachment belt file BF 140	459.593
1 replacement roller set BR 30 Set	459.607
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 4	102.229
1 hexagon socket wrench, SW 5	115.460
1 hexagon socket wrench, SW 6	104.167
1 carrying case L-BOXX® 136	414.085
1 case insert	457.337



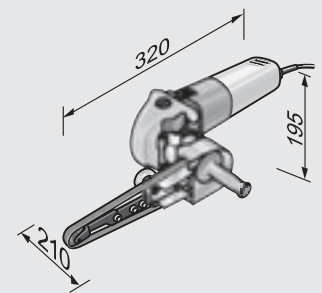
Belt file TRINOXFLEX

- Microprocessor control: speed selection, tachogenerator constant speed control, soft start, restart protection after power failure, overload protection and temperature monitoring
- VE electronic control: for infinitely adjustable belt speed
- Unique tool attachment with quick-action coupling for tool-free changing of the system attachments for burnishing, pipe belt sanding, filing
- Completely cast electronic components prevents damage due to metal dust. The 3-fold winding protection reduces motor wear, increases service life
- 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
- Sanding belt replacement: quick and tool-free



SPECIFICATIONS

Power input	800 watt
Power output	325 watt
Belt speed	3-8 m/sec
Belt dimensions	533 x 4-9 / 4-30 mm
No load speed	1400-4000 rpm
Cable length	4.0 m
Weight	2.6 kg



Standard equipment

Order no.

Standard equipment	Order no.
FBE 8-4 140	453.455
1 sanding attachment belt file BF 140	459.593
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® 136	414.085
1 case insert	457.337

Metal surface finishing

BME 14-3 L

BSE 14-3 100

BSE 14-3 100 Set

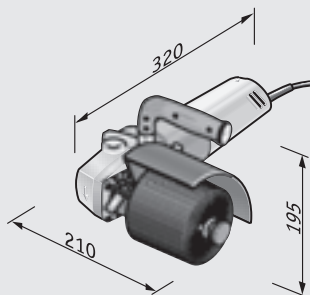


2

Metal surface finishing

SPECIFICATIONS

Power input	1400 watt
Power output	880 watt
Max. tool Ø	125 mm
Tool width	100 mm
Tool fixture BSE	19 mm
No load speed	1000-3500 rpm
Cable length	4.0 m
Weight BME	2.1 kg
Weight BSE	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
- Spindle lock
- For optimum finishing of various materials, for burnishing, texturing, polishing, brushing, smoothing, de-rusting and deburring steel and stainless steel surfaces.
- This tool is available in 110 V (only BSE 14-3 100)

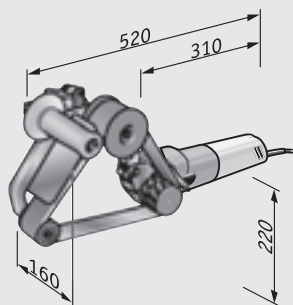
Standard equipment	Order no.
BME 14-3 L (basic motor)	433.403
BSE 14-3 100	433.411
1 sanding attachment for burnishing BS 100	433.462
BSE 14-3 100 Set	433.438
1 sanding attachment for burnishing BS 100	433.462
1 rubber air roller	433.896
1 air pump	256.284
1 fleece A 280/fine	256.975
1 sanding-polishing 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 CERAFLEX 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 54



Burnishing machine and pipe belt sander TRINOXFLEX 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
- 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 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
- 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°
- Sanding belt replacement: quick and tool-free
- Spindle lock
- Adjustable guard: for sanding tools up to Ø 125 mm
- For optimum finishing of various materials, for burnishing, texturing, polishing, brushing, smoothing, de-rusting and deburring steel and stainless steel surfaces
- This tool is available in 110 V (only BSE 14-3 INOX Set)



SPECIFICATIONS

Power input	1400 watt
Power output	880 watt
Max. tool Ø	125 mm
Tool width	100 mm
Tool fixture	19 mm
Belt speed	3.5-10 m/sec
Belt dimensions	760 x 40 mm
Pipe Ø max.	125 mm
No load speed	1000-3500 rpm
Cable length	4.0 m
Weight	3.6 kg

Standard equipment

Order no.

BSE 14-3 INOX Set		433.454
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 240	5 pieces of	434.914
1 carrying case L-BOXX® 238		414.093
1 case insert		433.918

BRE 14-3 125 Set		433.446
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 240	5 pieces of	434.914
1 carrying case L-BOXX® 238		414.093
1 case insert		433.918

Metal surface finishing

BBE 14-3 110

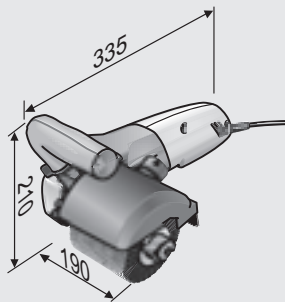
BBE 14-3 110 Set



2

SPECIFICATIONS

Power input	1400 watt
Power output	880 watt
Max. tool Ø	120 mm
Tool width	100 mm
Tool fixture	19 mm
No load speed	1000-3500 rpm
Cable length	4.0 m
Size (W x L x H)	335 x 190 x 210 mm
Weight	2.9 kg



Brushing 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 change of the system attachments: for burnishing, pipe belt sanding and brushing
- Brush attachment with detachable protective cover and suction connection Ø 32 mm for low-dust work. Including guide stop for calendering narrow workpieces for a rectilinear grinding pattern
- 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
- Spindle lock
- For low-dust work in the metal and stainless steel area. Also for brushing, structuring and cleaning wood surfaces

Standard equipment

Standard equipment	Order no.
BBE 14-3 110	471.097
1 brushing attachment BB 110	461.555
1 carrying case L-BOXX® 238	414.093
1 case insert	451.991

BBE 14-3 110 Set	461.504
1 brushing attachment BB 110	461.555
1 nylon brushes D110/85 P46	465.135
1 steel stranded wire brush D100/85	465.178
1 carrying case L-BOXX® 238	414.093
1 case insert	451.991

Accessories from page 54



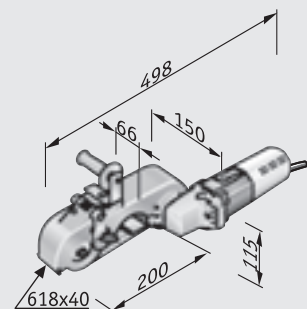
1200 watt weld and pipe belt sander

- Highly efficient and resilient motor for more power output
- Microprocessor 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



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

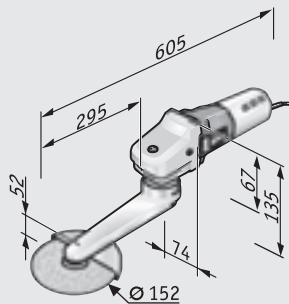


Standard equipment	Order no.
LBR 1506 VRA	282.499
1 side handle	252.721
1 sanding belt ZIRCOFLEX P 60	1 piece of 445.061
1 sanding belt ZIRCOFLEX P 120	1 piece of 266.132
1 sanding belt MESHFLEX A 240	1 piece of 317.977
1 hexagon socket wrench, SW 5	115.460
1 hexagon socket wrench, SW 6	104.167
1 hexagon socket wrench, SW 3	178.772



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



Fillet weld grinder

- Highly efficient and resilient motor for more power output
- Microprocessor electronics: 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

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



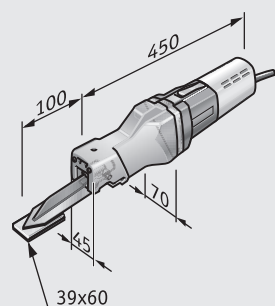
Finger sander

- 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



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



Standard equipment	Order no.
ST 1005 VE	259.540
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

Metal surface finishing

Accessories

Metal surface finishing 2

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE
 <p>Sanding attachment, burnishing</p>	Sanding attachment with integrated handle for burnishing. For the TRINOXFLEX. Tool-free fitting via the quick-change system.	BS 100			1	433.462	-	-	-	■	-	■	■	-	-	-
 <p>Sanding attachment, pipe belt</p>	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	-	-	-	■	■	■	■	-	-	-
 <p>Dust extraction guard</p>	Extraction hood for the BSE 14-3 100 with extraction connection (D32 clip) for rollers and brushes with max. Ø 110 mm.	BG D 110			1	461.547	-	-	-	■	-	■	■	-	-	-
 <p>Sanding attachment, brushing</p>	Grinding & brushing attachment for the TRINOXFLEX. With removable protective hood and suction connection Ø 32 mm for low-dust work. Including guide stop and vibration-damped ergonomic handle. Tool-free change of grinding tool via a patented quick-change system	BB 110			1	461.555	-	-	-	■	■	■	■	-	-	-
 <p>Brush strip</p>	Brush strip for extraction hood 461.547.	BL-S BG			1	461.563	-	-	-	-	-	-	■	-	-	-
 <p>Rubber air roller</p>	For sensitive contour sanding.	AS 100x100	100 Ø x 100		1	433.896	-	-	-	■	-	■	■	-	-	-
 <p>Rubber air roller</p>	For sensitive contour sanding. For LP 1503 VR.	AS 90x100	90 Ø x 100		1	256.415	-	-	-	-	-	-	-	-	-	-






Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE
 <p>Air pump</p>	For pumping up rubber air rollers.				1	256.284	-	-	-	-	-	-	-	-	-	-
 <p>Expansion roller</p>	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	-	-	-	■	-	■	■	-	-	-
 <p>Drive roller</p>	For sanding belt drive.	RA 60x100	60 Ø x 100		1	255.731	-	-	-	■	-	■	-	-	-	-
 <p>Drive roller</p>	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	-	-	-	■	-	■	-	-	-	-
 <p>Distance ring set</p>	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.				6	250.522	-	-	-	■	-	■	-	-	-	-
 <p>Poli-clean</p>	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	-	-	-	■	-	■	■	-	-	-
 <p>Sanding attachment, burnishing</p>	Sanding attachment with integrated grip hood for burnishing. For the TRINOXFLEX. Tool-free fitting via the quick-change system.	BS 50			1	459.577	■	■	■	■	-	■	■	-	-	-







Metal surface finishing

Accessories

2

Metal surface finishing

Type	Description	Designation	Dimensions in mm	Grit/Contents	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE		
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 50			1	459.585	■	■	■	■	■	■	■	-	-	-		
Interchangeable roller set 	Replacement roller set for BR 50 for 4-9 mm wide belts.	BR 9 Set			1	459.615	-	■	-	-	-	-	-	-	-	-		
	Replacement roller set for BR 50 for belts 30 mm wide.	BR 30 Set			1	459.607	-	■	■	-	-	-	-	-	-	-		
Sanding attachment, belt file 	Sanding attachment belt file for TRINOXFLEX. Tool-free fitting via quick-change system. Includes 9 and 30 mm sanding arms.	BF 140			1	459.593	■	■	■	■	■	■	■	-	-	-		
Flap wheel sanding 	Flexible sanding wheel with individual flexible flap-type sanding lamellae and keyway. 2 wheels are required. For paint removal, sanding and strong grain-ing 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	■	-	-	■	■	■	■	-	-	-		
Sanding fleece top 	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	■	-	-	■	■	■	■	-	-	-		

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
 <p>Sanding fleece</p>	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	■	-	-	■	-	■	■	-	-	-	-
 <p>Sanding fleece flap</p>	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	■	-	-	■	-	■	■	-	-	-	-
 <p>Grinding fleece, folded</p>	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	-	-	-	■	-	■	■	-	-	-	-
 <p>Fine polishing roller</p>	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.	K60 D100 x 50	100 Ø x 50	K 60	1	250.525	-	-	-	■	-	■	■	-	-	-	
		K180 D100 x 50	100 Ø x 50	K 180	1	250.526	-	-	-	■	-	■	■	-	-	-	-
 <p>Nylon brushes</p>	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	-	-	-	■	-	■	■	-	-	-	
 <p>Nylon brushes</p>	Abrasive grain-enforced plastic brush, thereby no loosening of the abrasive grain from the substrate. For brushing wooden surfaces, removing paint residues and brushing off annual rings in softwoods. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-NY D110/85 P46	110 Ø x 85	P 46	1	465.135	-	-	-	■	-	■	■	-	-	-	
		BW-NY D110/85 P120	110 Ø x 85	P 120	1	465.143	-	-	-	■	-	■	■	-	-	-	-







Metal surface finishing

Accessories

2

Metal surface finishing

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
 <p>Stainless steel wire brush</p>	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	-	-	-	■	-	■	■	-	-	-	
 <p>Stranded wire brush</p>	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	-	-	-	■	-	■	■	-	-	-	
 <p>Steel stranded wire brush</p>	For processing, structuring of wooden surfaces and brushing of annual rings in softwoods. Removes paint residues on wood surfaces. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-S D100/85	100 Ø x 85		1	465.178	-	-	-	■	-	■	■	-	-	-	
 <p>Stainless steel stranded wire brush</p>	For processing wood surfaces with tannins such as oakwood and for structuring, brushing annual rings in softwoods. Removes paint residues on wood surfaces. Ideal also for brushing metallic surfaces. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-INOX D100/85	100 Ø x 85		1	465.151	-	-	-	■	-	■	■	-	-	-	
 <p>Polishing felt</p>	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	-	-	-	■	-	■	■	-	-	-	
 <p>Cotton buffing wheel</p>	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	-	-	-	■	-	■	■	-	-	-	
 <p>Sanding-polishing sleeve</p>	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	-	-	-	■	-	■	■	-	-	-	-
		100x100 SU-S1500	100 Ø x 100	S 1500	1	436.437	-	-	-	■	-	■	■	-	-	-	-








Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
Sanding sleeve ZIRCOFLEX 	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.	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	-	-	-	■	-	■	■	-	-	-	-
Sanding sleeve CERAFLEX 	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 CORUFLEX 	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 MESHFLEX 	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 	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 	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	-	-	-	■	-	■	■	-	-	-	-

Metal surface finishing

Accessories

2

Metal surface finishing

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
	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	-	-	-	■	-	■	-	-	-	-	
	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	-	-	-	■	-	■	-	-	-	-	
	For sealing open sanding belts. The drive roller RA 62x70 INOX 303.054 is needed.		40 x 5000		1	251.838	-	-	-	-	-	-	-	-	-	-	
	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 VE10	760 x 40	P 36	10	438.464	-	-	-	-	■	■	-	-	-	-	
		760x40 ZI-P40 VE10	760 x 40	P 40	10	438.472	-	-	-	-	■	■	-	-	-	-	-
		760x40 ZI-P60 VE10	760 x 40	P 60	10	438.480	-	-	-	-	■	■	-	-	-	-	-
		760x40 ZI-P80 VE10	760 x 40	P 80	10	438.499	-	-	-	-	■	■	-	-	-	-	-
		760x40 ZI-P120 VE10	760 x 40	P 120	10	438.502	-	-	-	-	■	■	-	-	-	-	-
	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 VE10	760 x 40	60	10	438.510	-	-	-	-	■	■	-	-	-	-	
		760x40 CE-K80 VE10	760 x 40	80	10	438.529	-	-	-	-	■	■	-	-	-	-	-
		760x40 CE-K120 VE10	760 x 40	120	10	438.537	-	-	-	-	■	■	-	-	-	-	-
	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	-	-	-	-	■	■	-	-	-	-	-
	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	-	-	-	-	■	■	-	-	-	-	-


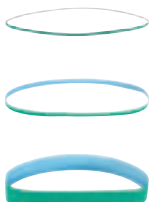


Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
 <p>Superfinishing band</p>	For high-gloss polishing without polishing agents in two steps.	760x40 SU-S600	760 x 40	S 600	1	326.917	-	-	-	-	■	■	-	-	-	-	
		760x40 SU-S1500	760 x 40	S 1500	1	326.933	-	-	-	-	■	■	-	-	-	-	-
 <p>Sanding arm, 9 mm, pointed</p>	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	-	-	■	-	-	-	-	-	-	-	
 <p>Sanding arm, 9 mm, cambered</p>	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	-	-	■	-	-	-	-	-	-	-	
 <p>Sanding arm, 30 mm, small roller</p>	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	-	-	■	-	-	-	-	-	-	-	
 <p>Sanding arm, 30 mm, large roller</p>	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	-	-	■	-	-	-	-	-	-	-	
 <p>Sanding belt ZIRCOFLEX</p>	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	-	-	■	-	-	-	-	-	-	-	-



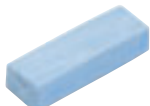


Metal surface finishing

Accessories

Metal surface finishing

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Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
Sanding belt ZIRCOFLEX 	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.	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 	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	-	-	■	-	-	-	-	-	-	-	-		
Sanding belt CORUFLEX 	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 MESHFLEX 	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	-	-	-	-	-	-	-	-	■	-	-		


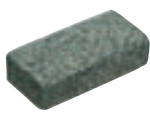

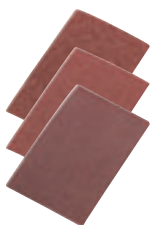


Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE
	For high-gloss polishing without polishing agents in two steps.	533x30 SU-S600	533 x 30	S 600	1	318.132	-	-	■	-	-	-	-	-	-	-
		533x30 SU-S1500	533 x 30	S 1500	1	318.140	-	-	■	-	-	-	-	-	-	-
	For polishing stainless steel surfaces.		533 x 9		1	259.420	-	-	■	-	-	-	-	-	-	-
	For polishing stainless steel surfaces.		533 x 30		1	259.419	-	-	■	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-	-	-	-


Metal surface finishing

Accessories

2

Metal surface finishing

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE	
	Professional sanding discs: hot-compressed compact fillet 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	-	-	-	-	-	-	-	-	-	■	-
			39 x 60	A 240	10	258.302	-	-	-	-	-	-	-	-	■	-	
	With Velcro polishing cushion.	Polishing shoe, square			1	258.031	-	-	-	-	-	-	-	-	■	-	
	With Velcro backing.	Polishing shoe, pointed			1	255.265	-	-	-	-	-	-	-	-	■	-	

Type	Description	Designation	QP	Order no.	BSE 8-4 50	BRE 8-4 9	FBE 8-4 140	BSE 14-3 100	BRE 14-3 125 Set	BSE 14-3 INOX Set	BBE 14-3 110	LBR 1506 VRA	LLK 1503 VR	ST 1005 VE
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-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, with additional front handle.	TK-L 136	1	414.085	■	■	■	-	-	-	-	-	-	-
		TK-L 238	1	414.093	-	-	-	■	■	■	■	■	■	■
Case insert	Matching insert for BRE/FBE 8-4 for carry case L-BOXX® 136.	TKE BRE 8-4/ FBE 8-4	1	457.337	-	■	■	-	-	-	-	-	-	-
	Matching insert for BSE/BRE/BSE INOX 14-3 for carry case L-BOXX® 238.	TKE BSE/BRE14-3	1	433.918	-	-	-	■	■	■	-	-	-	-
	Matching insert for BBE 14-3 110 for carry case L-BOXX® 238.	TKE BBE	1	451.991	-	-	-	-	-	■	-	-	-	-
	Matching insert for LLK 1503 VR for carry case L-BOXX® 238.	TKE LLK1503	1	436.658	-	-	-	-	-	-	-	-	■	-



Saws

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.

The CS 62 18.0-EC cordless circular handsaw complements the 18 V cordless range. With a cutting depth of 62 mm and the doubly clamped swivel segment, cuts from 0° to 50° can be carried out safely and with precision.

Contents

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NEW PRODUCTS











RSP DW 18.0-EC

Cordless reciprocating saw

→ Page 104



Overview of power tools

	 RS 13-32 RSP 13-32 Sabre saw	 RS 11-28 Sabre saw	 SBG 4910 Metal-cutting band saw	 CSM 4060 Metal-cutting circular saw	 CS 60 WET Diamond stone saw	 CS 62 18.0-EC Cordless circular saw with pendulum hood	 RS 29 18.0 Cordless reci- procating saw	 RSP DW 18.0-EC Cordless reci- procating saw
Orbit rate, no load	0-3000	0-2700					0-3100	0-3000
No load speed				3800	6200	5000		
Power input	1300	1100	850	1400	1400			
Power output	600	600	445	720	840			
Orbit	32	28					29	32
Weight in kg	4.6	3.6	18	5.4	4.5	3.1	2.9	4.1
Metal pipes	■	■	■	■			■	■
Metal profiles	■	■	■	■			■	■
Solid metal			■					
Sheet metal	■	■		■			■	
Steel grating	■	■		■			■	■
Timber	■	■				■	■	■
Chipboard/OSB	■	■				■	■	■
Gypsum/cement/ concrete	■	■				■	■	■
Aluminium	■	■	■	■		■	■	■
Acrylic glass						■		
Natural stone					■			
Artificial stone					■			
	Page 73	Page 72	Page 74	Page 75	Page 306	Page 105	Page 103	Page 104

■ highly suitable, highly recommended

■ suitable, recommended

Cordless accessories see page 110

Reciprocating saws – Less vibration, more cutting power

The new generation of FLEX reciprocating saws cuts through every material like a hot knife through butter. Fatigue free and gentle on the user yet powerful in operation with the high-performance 1,300 W motor. And thanks to the quick-change function with integrated saw blade ejection, changing the blade is rapid and tool-free, too.

- 1 **Saw shoe with tool-free adjustment**
For fast cut positioning, can also be removed for jamb cuts
- 2 **Microprocessor electronics**
For soft start, overload protection and constant speed control
- 3 **Tool-free saw blade change**
With integrated saw blade ejection for simple exchange of saw blades



Speed Selection



Overload Protection



Tool-Free



Vibration Protection

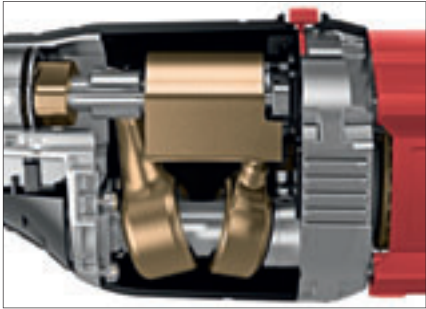


Pendulum Stroke

only for
RSP 13-32



Video



Twin-bearing lifting rod guide
With vibration balancing for maximum service life and fatigue-free operation, protects the tendons and joints of the user



Speed adjustment
For left and right-handed users, continuously adjustable, sawing operation can be adjusted to suit the material

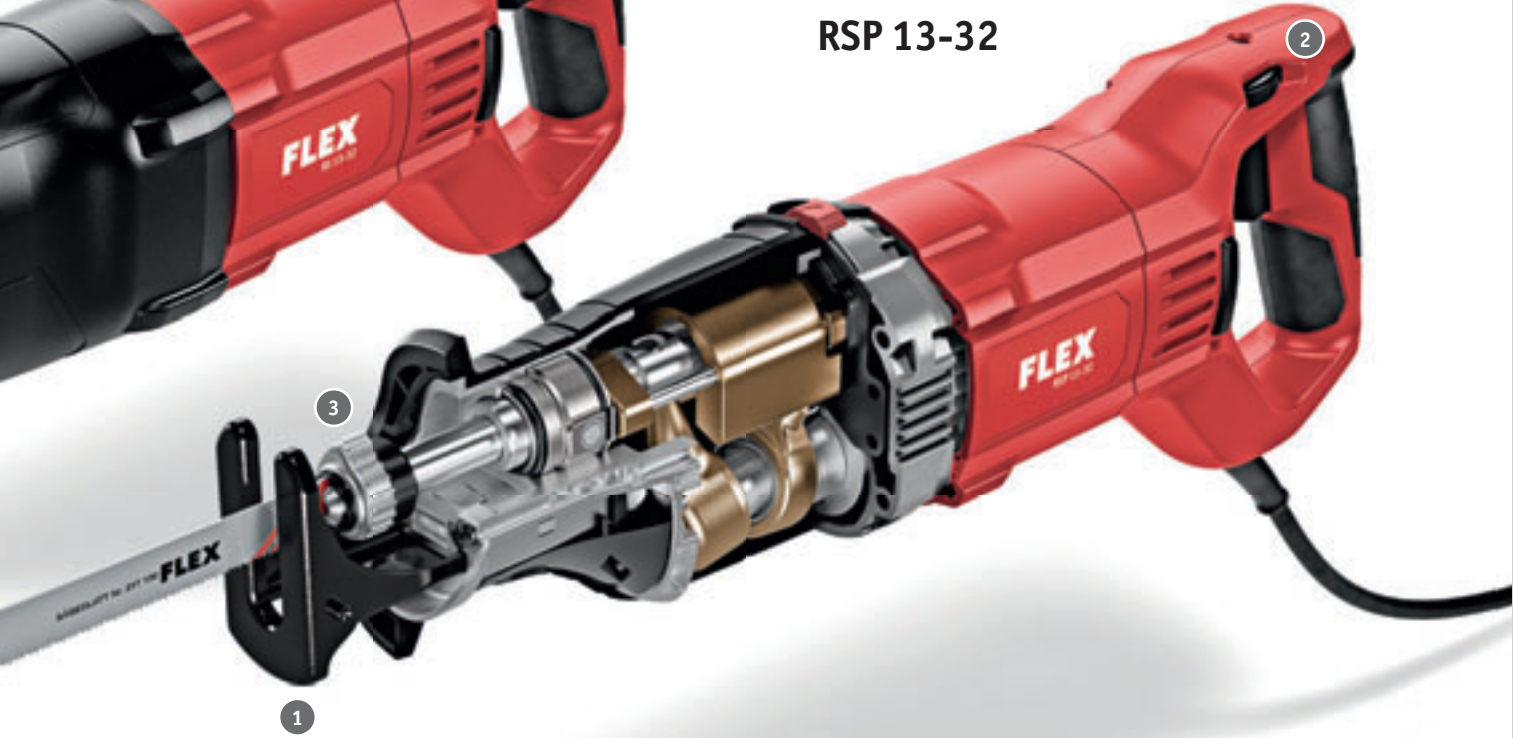


Continuous pendulum stroke adjustment (only for RSP 13-32)
From 0-3 mm, to speed up progress when working on non-metal materials

RS 13-32



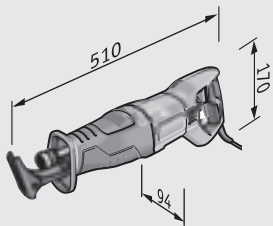
RSP 13-32





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



Soft Start



Tool-Free

4 m
Mains cable

Carrying case

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
- Tool-free saw blade change with ejection function
- 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	462.179
1 carrying case	436.607



1300 watt reciprocating saw with orbital cutting action

- Electronic feedback control for stroke, accelerator trigger switch, speed selector wheel for speed adjustment, overload protection
- Powerful 1300 watt motor
- Universal saw blade holder: for an easy saw blade exchange
- Tool-free saw blade change with ejection function
- Saw blade can be turned through 180°
- Saw support can be adjusted and detached without any tools
- Twin-bearing lifting rod guide with vibration balancing for fatigue-free working
- Ergonomically designed, non-slip, soft grip handle
- Rubberised gear case for a secure grip
- Dust- and splash-proof lifting rod guide
- Integrated LED light

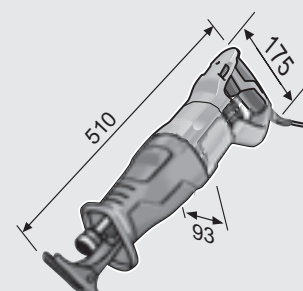
For RSP 13-32

- Orbital stroke continuously adjustable from 0-3 mm: switch-activated, especially for fast sawing of timber



SPECIFICATIONS

Orbit rate, no load	0-3000 opm
Orbit	32 mm
Power input	1300 watt
Power output	600 watt
Max. material thickness, timber	230 mm
Max. material thickness, metal	20 mm
Cable length	4.0 m
Size (L x H)	510 x 175 mm
Weight	4.6 kg

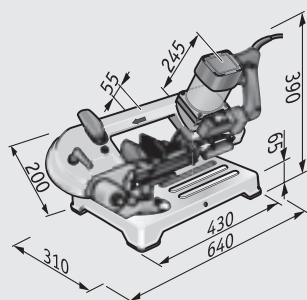


Standard equipment	Order no.
RS 13-32	438.383
1 assortment of saw blades	462.179
1 carrying case	455.059
RSP 13-32	438.367
1 assortment of saw blades	462.179
1 carrying case	455.059



SPECIFICATIONS

Power input	850 watt
Power output	445 watt
Size of saw band	1335x13x0.65 mm
Belt speed	60 / 80 m/min
Size (W x L x H)	640x310x390 mm
Max. cutting range: round cross sectional cut at 45°/90°	68 mm / 80 mm
Max. cutting range: square cross sectional cut at 45°/90°	60 mm / 80 mm
Max. cutting range: 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 cooling fluids
- Especially in fire hazardous surroundings the SBG for spark free cutting of metal

Standard equipment	Order no.
SBG 4910	390.518
1 parallel guide fence	385.247
1 bimetal saw blade	1 piece



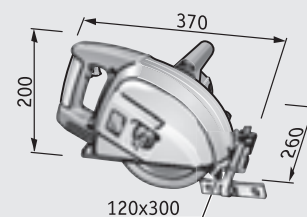
Metal-cutting circular saw for dry cutting

- 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 aluminium 250 N/mm ²	6 mm
Max. material thickness in steel 400 N/mm ²	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.
CSM 4060	307.815
2 carbide tipped saw blades for steel, 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

Type	Description	Designation	Teeth per inch	Length in mm	QP	Order no.	RS 11-28	RS 13-32 / RSP 13-32	RS 29 18.0 / RSP DW 18.0-EC	SGB 4910	CSM 4060
Reciprocating saw blades for metal and sheet material   	Reciprocating saw blade for 2-8 mm cuts in stainless steel, metal/steel, sheet steel, steel tubing, open/closed sections.	RS/Bi-150 6 VE5	6	150	5	462.055	■	■	■	-	-
	Reciprocating saw blade for 1.5-3 mm deep cuts in stainless steel, metal/steel, sheet steel, steel tubing, open/closed sections.	RS/Bi-150 18 VE5	18	150	5	462.063	■	■	■	-	-
	Reciprocating saw blade for 2-8 mm cuts in metal/steel, sheet steel, steel tubing, open/closed sections and for 3-180 mm cuts in timber/pallet manufacture.	RS/Bi-230 14 VE5	14	230	5	462.071	■	■	■	-	-
Reciprocating saw blades for metal, timber, plastic materials   	Reciprocating saw blade for 6-100 mm cuts in MDF, timber containing nails, for building renovation/window frames, metal/steel, glass-fibre reinforced plastics/epoxy, curved cuts.	RS/Bi-150 6 VE5	6	150	5	462.098	■	■	■	-	-
	Reciprocating saw blade for 3-100 mm cuts in timber containing nails, glass-fibre reinforced plastics/epoxy, and for 3-12 mm cuts in stainless steel, metal/steel, steel tubing.	RS/Bi-150 10 VE5	10	150	5	462.101	■	■	■	-	-
	Reciprocating saw blade for cuts of between 3-190 mm in timber containing nails, pallet manufacture, glass-fibre reinforced plastics/epoxy, and for 3-12 mm cuts in metal/steel, steel tubing.	RS/Bi-230 10 VE5	10	230	5	462.128	■	■	■	-	-
Reciprocating saw blades for demolition 	Demolition blade for accurate angular cuts up to 180 mm in hardwood, MDF, timber containing nails, for building renovation/window frames, glass-fibre reinforced plastics/epoxy.	RS/Bi-230 10 VE5	10	230	5	462.136	■	■	■	-	-
Reciprocating saw blade for insulation material 	Reciprocating saw blade for cuts into insulation material, mineral wool, foam, polystyrene (Styrofoam, Styrodur) leather, rubber, paper, carton and carpet.	RS/CV-300 W VE2		300	2	462.144	■	■	■	-	-
Reciprocating saw blades for timber 	Reciprocating saw blade for very clean 6-150 mm cuts in plywood, multiplex/blockboard, MDF, laminated panels.	RS/CV-230 10 VE2	10	230	2	462.152	■	■	■	-	-
Reciprocating saw blade for pallets 	Reciprocating saw blade for 30-100 mm cuts for pallet manufacture.	RS/Bi-230 10 VE5	10	230	5	462.160	■	■	■	-	-
Reciprocating saw blades assortment for plastic/wood/metal  	Set consisting of: 1 reciprocating saw blade for 1.5-3 mm deep cuts in stainless steel, metal/steel, sheet steel, steel tubing, open/closed sections 1 reciprocating saw blade for 6-100 mm cuts in MDF, timber containing nails, for building renovation/window frames, metal/steel, glass-fibre reinforced plastics/epoxy, curved cuts. 1 reciprocating saw blade for 3-190 mm cuts in timber containing nails, pallet manufacture, glass-fibre reinforced plastics/epoxy, and for 3-12 mm cuts in metal/steel, steel tubing.	RS/Bi Set VE3			3	462.179	■	■	■	-	-

Type	Description	Designation	Teeth per inch	Dimensions in mm	QP	Order no.	RS 11-28	RS 13-32 / RSP 13-32	RS 29 18.0/RSP DW 18.0-EC	SGB 4910	CSM 4060	
Carrying case 	Impact-resistant plastic carry case for the RS 11-28.	TK-S RS 11-28			1	436.607	■	-	■	-	-	
Carrying case 	Impact-resistant plastic carry case for the RS/RSP 13-32.	TK-S RS13-32			1	455.059	-	■	-	-	-	
Saw blades   	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	18	1335 x 13 x 0.65	2	399.485	-	-	-	■	-	
		Sawband from tool steel with extra hardened teeth, especially aligned for thin walled cross sections and profiles.	SB 1335x13x0.65 Bi-M 8/12 VE3	8/12	1335 x 13 x 0.65	3	359.289	-	-	-	■	-
			SB 1335x13x0.65 Bi-M 10/14 VE3	10/14	1335 x 13 x 0.65	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	18	1335 x 13 x 0.65	3	359.106	-	-	-	■	-	
		SB 1335x13x0.65 WS 24 VE3	24	1335 x 13 x 0.65	3	359.270	-	-	-	■	-	
Chuck jaws 	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 	Enables a practically burr-free cut, no touching up is necessary.		38	185 Ø x 20	1	312.304	-	-	-	-	■	

10.8 V
Li-Ion
Power-System

18.0 V
Li-Ion
Power-System



Cordless tools



Video

FLEX cordless tools are setting new quality and performance standards to their fully-developed 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.

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Cordless screwdriver	94
Cordless universal rotary hammer drill	102
Cordless saws	103
Cordless mixer	106
Cordless angle grinder	107
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NEW PRODUCTS



DW 45 18.0-EC
Cordless drywall screwdriver
→ Page 101



MXE 18.0-EC
2-speed cordless mixer
→ Page 106



RSP DW 18.0-EC
Cordless reciprocating saw
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CL 2000 18.0
LED cordless building site spotlight
→ Page 109



BW 18.0-EC
Cordless blower
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10.8 V Cordless tools



DD 2G 10.8-EC
2-speed
cordless drill driver



PD 2G 10.8-EC
2-speed
cordless impact drill



DD 2G 10.8-LD
2-speed
cordless drill driver

Battery voltage	V	10.8	10.8	10.8
EC-Motor technology		■	■	
Max soft/hard torque	Nm	32 / 58	32 / 58	17 / 34
Torque positions		20 + 1	24 + 1	17 + 1
No load speed	rpm	0 - 450 / 1700	0 - 450 / 1700	0 - 350 / 1300
Blows per minute	rpm	-	0 - 5850 / 22100	
Tool fixture / Chuck		Chuck 1.5 - 13 mm	Chuck 1.5 - 13 mm	Chuck 0.8 - 10 mm
Max. drill Ø in steel/wood/concrete	mm	13 / 25 / -	13 / 25 / 13	10 / 25

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18.0 V Cordless tools



L 125 18.0-EC
Cordless angle grinder



CS 62 18.0-EC
Cordless circular saw
with pendulum hood



RSP DW 18.0-EC
Cordless reciprocating saw



MXE 18.0-EC
2-speed cordless mixer

Battery voltage	V	18.0	18.0	18.0	18.0
EC-Motor technology		■	■	■	■
Max. tool Ø	mm	125	165		120
Max. back-up pad diameter	mm				
No load speed	rpm	8500	5000		0 - 210 / 325 / 530 0 - 320 / 490 / 780
Orbit rate, no load	rpm			0 - 3000	
Orbit	mm			32	
Tool fixture		M 14	20 mm		M 14

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18.0 V Cordless tools

					
DD 2G 18.0-EC 2-speed cordless drill driver	PD 2G 18.0-EC 2-speed cordless impact drill	IW 1/2" 18.0-EC Cordless impact drill driver	ID 1/4" 18.0-EC Cordless impact drill driver	DW 45 18.0-EC Cordless drywall screwdriver	CHE 18.0-EC Cordless universal rotary hammer drill
18.0	18.0	18.0	18.0	18.0	18.0
■	■	■	■	■	■
56 / 90	56 / 90	250	225	28	
23 + 1	24 + 1	3 (140 / 170 / 250)	3 (58 / 104 / 225)		
0 - 600 / 2300	0 - 600 / 2300	0 - 600 / 2500	0-1500 / 2000 / 3300/min	0 - 4500	0 - 1400
-	0 - 9600 / 0-37000	0 - 3300	1300 / 2800 / 3300/min		0 - 4500
Chuck 1.5 - 13 mm	Chuck 1.5 - 13 mm	1/2"	1/4" hexagon socket	1/4" hexagon socket	SDS-plus
13 / 60 / -	13 / 60 / 16				13 / 20 / 18
Page 97	Page 97	Page 100	Page 99	Page 101	Page 102

18.0 V Cordless tools

					
PE 150 18.0-EC Cordless rotary polisher	XFE 15 125 18.0-EC Cordless random orbital polisher, free running	XFE 15 150 18.0-EC Cordless random orbital polisher, free running	XCE 8 125 18.0-EC Cordless random orbital polisher with positive- action drive		
18.0	18.0	18.0 V	18.0 V		
■	■	■	■		
160	160	160	160		
150	150	150	150		
150 - 1450	2300 - 3800	2300 - 3800	280 - 430		
-	4600 - 7600	4600 - 7600	4600 - 7600		
-	15	15			
Velcro	Velcro	Velcro	Velcro		
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18.0 V Cordless tools

					
		RS 29 18.0 Cordless reciprocating saw	DD 2G 18.0 2-speed cordless drill driver	PD 2G 18.0 2-speed cordless impact drill	ID 1/4" 18.0 Cordless impact drill driver
Battery voltage	V	18.0	18.0	18.0	18.0
EC-Motor technology		-	-	-	-
Max soft/hard torque	Nm	-	52 / 68	52 / 65	180
Torque positions		-	20 + 1	24 + 1	
No load speed	rpm	-	0 - 380 / 1650	0 - 380 / 1650	0 - 2300
Blows per minute	rpm	-	-	0 - 4940 / 21450	0 - 3200
Orbit rate, no load	rpm	0 - 3100	-	-	-
Orbit	mm	29	-	-	-
Tool fixture / Chuck		-	Chuck 1.5 - 13 mm	Chuck 1.5 - 13 mm	1/4" hexagon socket
Max. drill Ø in steel/wood/concrete	mm	-	13 / 30 / -	13 / 30 / 16	
		Page 103	Page 96	Page 96	Page 98



18.0 V Cordless tools



Battery voltage	V	18.0	18.0
EC-Motor technology		■	–
No load speed	rpm	10600 / 14200 / 18000	–
Max. air speed	m/sec	80	–
Max. air flow rate	m ³ /min	3.1	–
Lumen	lm	–	1200 / 2000
Brightness settings		–	2
Rotating		–	360°
Can be used with tripod		–	yes (5/8")

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MORE
FLEXTECOY

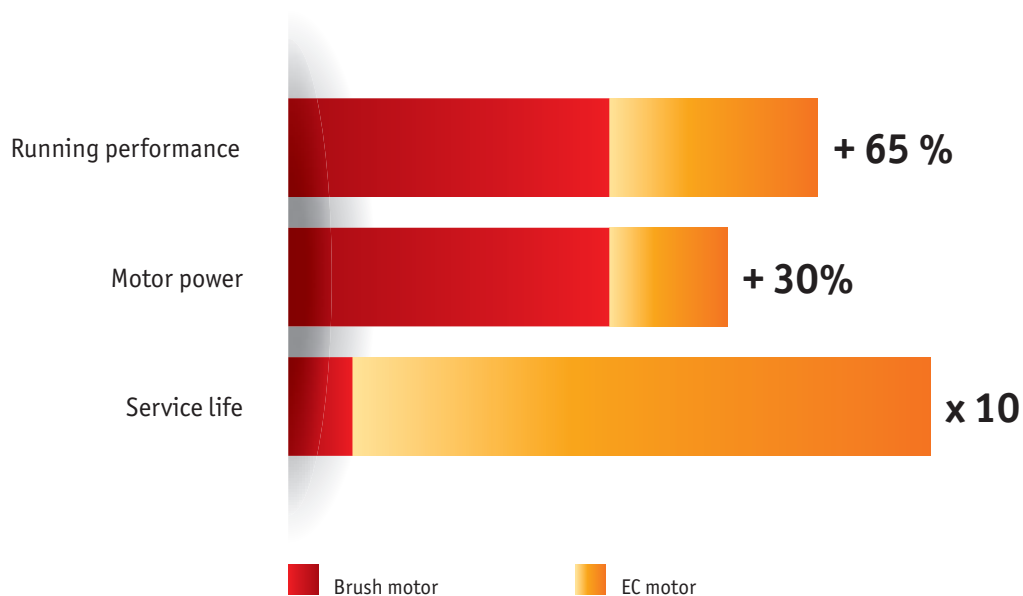


EC-Motor Technology



EC technology means tool requires no maintenance whatsoever

EC technology allows you to work efficiently, at high power, for a longer time and, importantly, without the need for any maintenance work. The brushless motors are extremely robust low wear and true power packs for routine work. In combination with the FLEX battery technology they create a superior product and drive concept providing optimum performance and maximum scope in numerous applications.



Power ON

- Greater endurance
- Higher operating efficiency
- Easier to use

Maintenance OFF

- No carbon brushes
- No consequential costs
- No downtime

Powerful battery technology

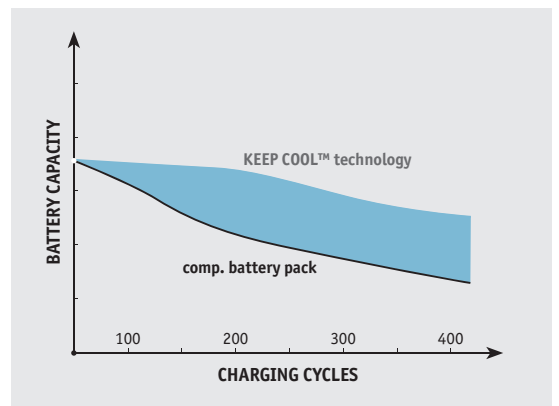


KEEP COOL™ technology

Integrated cooling

The innovative thermal management allows you to work at full power for much longer.

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.



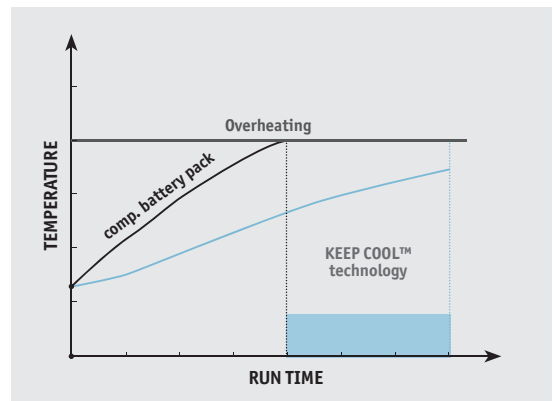
A large number of charging cycles can damage battery packs. They lose their capacity and their service life is increasingly reduced. Here too, the KEEP COOL™ technology significantly reduces the loss of capacity and thereby also increases the battery's service life.



POWER BATTERY

High-performance battery cells

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



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.



KEEP CONTROL technology

Intelligent battery management system

Continuous data exchange between battery pack, tool and rapid charger.

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.



Tool decides on control and monitoring

- Overheating protection
- Discharge protection
- Overload protection
- Persistence function

Battery sends status to tool

- Charge status indicator
- Dust- and splash-proof IPX6
- Li-ion cells
- Integrated charge and discharge protection
- Heat management with KEEP COOL™ technology
- KEEP CONTROL technology

Battery controls the charging operation

- Overheating protection
- Overload protection
- Overcurrent protection
- LCD display
- 18.0 V and 10.8 V battery packs

Drywall screwdriver – ideal for wallboard mounting

It was never simpler to precision-fit boards to load-bearing structures. And not as pleasant either. The great benefit of the new FLEX drywall construction screwdriver becomes clear the first time you handle the tool: it has a perfectly balanced grip. Its optimum product design, the outstanding SoftGrip haptics and the light, compact shape make the FLEX DW 45 the perfect sparring partner in drywall construction.

- 1 Simple adjustment to the screw length
- 2 Ejection, makes the magazine easy to clean
- 3 Ergonomic grip with softgrip (TPE)
- 4 Large diameter rotary wheel to adjust the screwing depth
- 5 Simple indication of rotation direction
- 6 Ergonomic two-hand operation
- 7 Reliable transport mechanism
- 8 Clear indication of the screwing depth

Magazine M-DW 55





Video



- 9 Removable and adjustable depth stop
- 10 Powerful and durable EC motor
- 11 Locking button to lock in the maximum speed
- 12 Electronic quick-acting brake



Light-weight
The DW 45 18.0-EC weighs 1,890 g (incl. battery and magazine), making it one of the lightest 18 V drywall screwdrivers on the market.



Ergonomic handling
Hand and arm are perfectly in line with the bit guidance, the centre of gravity is in the centre. This provides optimum load relief for wrist and forearm even in continuous use.



Correct positioning
Incorrect positioning is almost impossible. The straight magazine base means the tool is positioned on the wall at a 90° angle.

Drywall screwdriver DW 45 18.0-EC



- 13 Clockwise/anti-clockwise
- 14 Large accelerator trigger switch with locking function
- 15 LED lamp with persistence function
- 16 Extremely ergonomic handle with SoftGrip
- 17 Removable belt clip (can be used on left & right)



From any angle
The magazine can be positioned as desired on the screwdriver so that it can be held to suit the operator's personal preference.

Cordless mixers – Powerful mixing



FLEX mixers convince with their robustness, torque and outstanding ergonomics. This applies in particular to the new cordless power pack which really stirs things up on the building site. It convinces with its smart and highly functional design and provides good mixing quality and rapid results for mixing applications up to 30 kg. Users now have a grip of simply everything.

- 1 **Clamping collar 53 mm**
Can accommodate large ball bearings and tools stay clamped for longer
- 2 **Splash protection**
Through the circulation of cooling air in a labyrinth design
- 3 **Ergonomic handle**
For safe working which doesn't put strain on the back
- 4 **2-speed gearbox**
Generous dimensions and optimum gear ratio - For speeds to suit the material and a high torque
- 5 **Rubberised SoftGrip**
For a secure yet comfortable grip
- 6 **Rugged housing with full rubber protectors**
Reduces the risk of damage when the tool is dropped or transported



Accessories and mixing paddles see page 249





Battery positioning

Protects battery should it be dropped and has easy to see charge level indicator



3-level electronic switch

For safe and uninterrupted mixing in the different mixing phases from liquid to viscous



Large accelerator trigger switch

With rubber protection and locking switch for stationary use Splash protection thanks to soft-start accelerator trigger switch



Patented spindle lock

With start-up protection for keyless change of mixing rod Rotary switch to set the optimum mixing speed 1st gear: for high-viscosity construction materials, 2nd gear: for medium and low viscosity building materials



The cordless circular handsaw is particularly compact

It has never been as easy and ergonomic to work with a handsaw. The slim tool design does not incorporate a splitting wedge, making it easy to create plunge cuts. Despite its size, which is otherwise only found in 55 saws, it can cut to a depth of 62 mm max. Equipped with a quick adjustment for angular cuts of 22.5° and 45°, frequently used cutting angles can be repeated with precision and in quick succession. This makes it even easier to use on the construction site, for example for refurbishment or drywall construction.



62 mm cutting depth

The scale is clearly visible within the user's field of view and thus allows rapid adjustments from 0 to 62 mm.



Diecast aluminium saw bench

Provides greater stability and prevents distortions of the saw rest in routine use. For steady guidance on the workpiece.



Extraction connection with bayonet fitting

Option to use a bag to collect swarf and to connect Ø 27 external extraction devices.



Protective pendulum hood

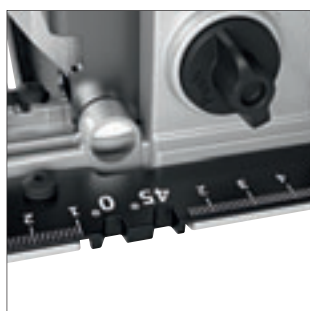
The pendulum hood closes automatically to cover the saw blade and thus prevent unintentional contact with the workpiece. It opens and closes in fractions of a second for fast positioning and to protect the user.



Quick-clamp edge guide

Simple to clamp, for steady guidance in the workpiece





Cut indicator 0° and 45°
For free-hand angular cuts after marking.

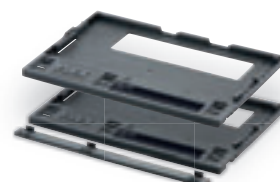


Doubly clamped swivel segment from 0° - 50°
With pre-selection function for angles of 22.5° / 45° / 50° to provide safe, precise guidance of the saw when making angular cuts. Prevents the saw blade from jamming in the material.



Perfect guidance
The guide rail adapter allows the saw to be used on all usual guide rails.

Clip & Cut
The saw guide adapter can be mounted without tools.



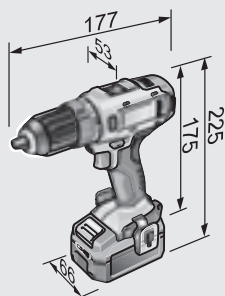
Drill driver/impact drill

DD 2G 10.8-LD/4.0 Set



SPECIFICATIONS

Battery voltage	10.8 V
Battery capacity	2.5 / 4.0 / 6.0 Ah
Max soft/hard torque	17 / 34 Nm
Torque positions	17+1
No load speed 1st gear	0-350 rpm
No load speed 2nd gear	0-1300 rpm
Chuck Ø	0.8 - 10 mm
Max. drill hole Ø in steel	10 mm
Max. drill hole Ø in wood	25 mm
Weight without battery	0.875 kg



2-speed cordless drill driver 10.8 V "Light Duty"

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator trigger with lock-off switch
- Electronic quick-acting brake
- Quick-clamp chuck with 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
- Including belt clip and bit storage
- Handy tool for easy drilling and screwdriving applications

Standard equipment

Order no.

DD 2G 10.8-LD/4.0 Set	418.064
1 belt clip	430.714
1 bit storage	430.862
2 batteries 4.0 Ah AP 10.8/4.0	439.657
1 charger CA 10.8	418.021
1 carrying case L-BOXX® 136	414.085
1 case insert	440.841

Drill driver/impact drill

DD 2G 10.8-EC

DD 2G 10.8-EC/4.0 Set

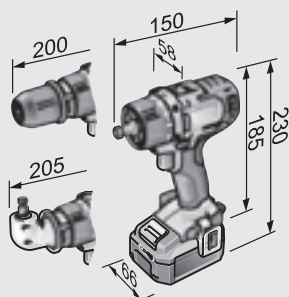
PD 2G 10.8-EC

PD 2G 10.8-EC/6.0 Set



2-speed cordless drill driver/impact drill 10.8 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 trigger with lock-off switch
- Electronic quick-acting brake
- Quick-clamp chuck with auto lock function
- Robust gearbox housing made of die-cast aluminium
- Right/left rotation with safety catch
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- Including belt clip and bit holder
- FLEX battery system: suitable for all 10.8 V battery packs



SPECIFICATIONS

Battery voltage	10.8 V
Battery capacity	2.5 / 4.0 / 6.0 Ah
Max soft/hard torque	32 / 58 Nm
Torque positions DD 2G 10.8-EC	20+1
Torque positions PD 2G 10.8-EC	24+1
No load speed 1st gear	0-450 rpm
No load speed 2nd gear	0-1700 rpm
Idle blows 1st gear PD 2G 10.8-EC	0-5850 bpm
Idle blows 2nd gear PD 2G 10.8-EC	0-22100 bpm
Chuck Ø	1.5 - 13 mm
Max. drill hole Ø in steel	13 mm
Max. drill hole Ø in wood	25 mm
Max. drill hole Ø masonry PD 2G 10.8-EC	13 mm
Weight without battery DD 2G 10.8-EC	1.09 kg
Weight without battery PD 2G 10.8-EC	1.14 kg

Standard equipment

Order no.

DD 2G 10.8-EC	418.005
PD 2G 10.8-EC	418.013
1 bit holder	442.380
1 belt clip	430.714
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	440.841
DD 2G 10.8-EC/4.0 Set	462.764
1 bit holder	442.380
1 belt clip	430.714
1 bit storage	430.862
2 batteries 4.0 Ah AP 10.8/4.0	439.657
1 charger CA 10.8	418.021
1 carrying case L-BOXX® 136	414.085
1 case insert	440.841
PD 2G 10.8-EC/6.0 Set	462.772
1 bit holder	442.380
1 belt clip	430.714
1 bit storage	430.862
2 batteries 6.0 Ah AP 10.8/6.0	438.294
1 charger CA 10.8	418.021
1 carrying case L-BOXX® 136	414.085
1 case insert	440.841

Drill driver/impact drill

DD 2G 18.0

DD 2G 18.0/2.5 Set

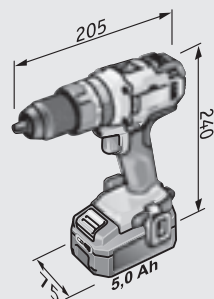
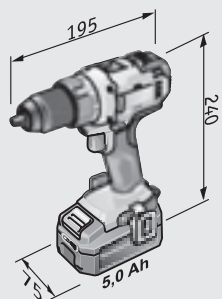
PD 2G 18.0

PD 2G 18.0/2.5 Set



SPECIFICATIONS

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
Torque positions DD 2G 18.0	20+1
Torque positions PD 2G 18.0	24+1
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 bpm
Idle blows 2nd gear PD 2G 18.0	0-21450 bpm
Chuck Ø	1.5 - 13 mm
Max. drill hole Ø in steel	13 mm
Max. drill hole Ø masonry PD 2G 18.0	16 mm
Max. drill hole Ø in wood	30 mm
Weight without battery	1.4 kg



Standard equipment	Order no.
DD 2G 18.0	417.831
PD 2G 18.0	417.858
1 handle	428.698
1 belt clip	430.714
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238
DD 2G 18.0/2.5 Set	436.577
PD 2G 18.0/2.5 Set	436.585
1 handle	428.698
1 belt clip	430.714
1 bit storage	430.862
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238



2-speed cordless drill driver/impact drill 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator trigger with lock-off switch
- 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 storage
- FLEX battery system: suitable for all 18.0 V battery packs

Drill driver/impact drill

DD 2G 18.0-EC

DD 2G 18.0-EC/2.5 Set

PD 2G 18.0-EC

PD 2G 18.0-EC/2.5 Set



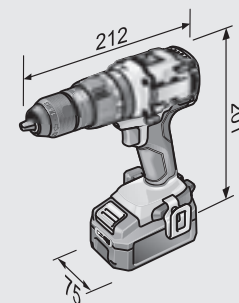
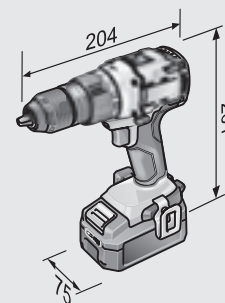
2-speed cordless drill driver/impact drill 18.0 V

- 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 trigger with lock-off switch
- Electronic quick-acting brake
- Robust gearbox housing made of die-cast aluminium
- 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
- Including attachable auxiliary handle, belt clip and bit storage
- FLEX battery system: suitable for all 18.0 V battery packs



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max soft/hard torque	56 / 90 Nm
Torque positions DD 2G 18.0-EC	23+1
Torque positions PD 2G 18.0-EC	24+1
No load speed 1st gear	0-600 rpm
No load speed 2nd gear	0-2300 rpm
Blows per minute PD 2G 18.0-EC	9600-37000 bpm
Chuck Ø	1.5 - 13 mm
Max. drill hole Ø in steel	13 mm
Max. drill hole Ø masonry PD 2G 18.0-EC	16 mm
Max. drill hole Ø in wood	60 mm
Weight without battery DD 2G 18.0-EC	1.5 kg
Weight without battery PD 2G 18.0-EC	1.6 kg



Standard equipment	Order no.
DD 2G 18.0-EC	447.498
PD 2G 18.0-EC	447.501
1 handle	428.698
1 belt clip	430.714
1 bit holder	453.994
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	454.125
DD 2G 18.0-EC/2.5 Set	461.733
PD 2G 18.0-EC/2.5 Set	461.741
1 handle	428.698
1 belt clip	430.714
1 bit holder	453.994
1 bit storage	430.862
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	454.125

Impact drill driver

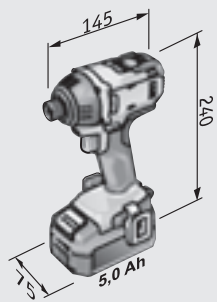
ID 1/4" 18.0

ID 1/4" 18.0/2.5 Set



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" hexagon socket
Weight without battery	1.2 kg



Cordless impact drill driver 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator trigger with lock-off switch
- 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 fixture 1/4" hexagon socket
- Removable covering cap for easy change of carbon brushes
- Including belt clip and bit storage
- FLEX battery system: suitable for all 18.0 V battery packs

Standard equipment	Order no.
ID 1/4" 18.0	417.866
1 belt clip	430.714
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238
ID 1/4" 18.0/2.5 Set	462.780
1 belt clip	430.714
1 bit storage	430.862
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238

Impact drill driver
 ID 1/4" 18.0-EC
 ID 1/4" 18.0-EC/2.5 Set



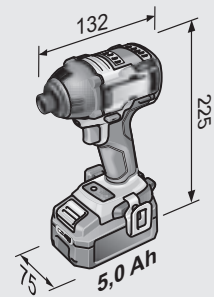
Cordless impact drill driver 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Brushless motor with greater efficiency and a longer service life
- Electronic quick-acting brake
- Robust gearbox housing made of die-cast aluminium with protective cap
- Right/left rotation with safety catch
- Speed Command: three different speed settings for a variety of applications. Prevents, among others, over tightening of small screws
- Impact Control for the perfect positioning of screws
- Tool fixture 1/4" hexagon socket
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- Including belt clip and bit storage
- FLEX battery system: suitable for all 18.0 V battery packs



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max. torque	225 Nm
Torque positions	3 (58 / 104 / 225 Nm)
No load speed	0-1500 / 2000 / 2500 rpm
Blows per minute	1300 / 2800 / 3300 bpm
Tool fixture	1/4" hexagon socket
Weight without battery	1.1 kg



Standard equipment	Order no.
ID 1/4" 18.0-EC	459.690
1 belt clip	430.714
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238
ID 1/4" 18.0-EC/2.5 Set	417.912
1 belt clip	430.714
1 bit storage	430.862
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238

Impact drill driver

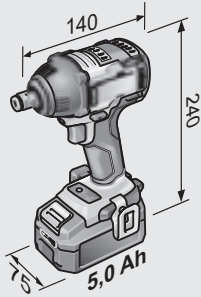
IW 1/2" 18.0-EC

IW 1/2" 18.0-EC/2.5 Set



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max. torque	250 Nm
Torque positions	3 (140 / 170 / 250 Nm)
No load speed	600-2500 rpm
Blows per minute	3300 bpm
Tool fixture	1/2"
Weight without battery	1.1 kg



Cordless impact drill driver 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 trigger with lock-off switch
- Electronic quick-acting brake
- Robust gearbox housing made of die-cast aluminium with protective cap
- Right/left rotation with safety catch
- Speed Command: three different speed settings for a variety of applications. Prevents, among others, over tightening of small screws
- Impact Control for the perfect positioning of screws
- Tool holder square drive for 1/2" impact sockets.
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- Including belt clip and bit storage
- FLEX battery system: suitable for all 18.0 V battery packs

Standard equipment	Order no.
IW 1/2" 18.0-EC	438.308
1 belt clip	430.714
1 bit storage	430.862
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238
IW 1/2" 18.0-EC/2.5 Set	461.776
1 belt clip	430.714
1 bit storage	430.862
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	423.238



Cordless drywall screwdriver 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 trigger with lock-off switch
- Electronic quick-acting brake
- Right/left rotation with safety catch
- Ergonomically designed, non-slip, soft grip handle
- Integrated LED lamp with persistence function
- LED battery capacity display
- Ergonomically shaped soft handle with on/off switch and lock for continuous operation
- Tool-free detachable depth stop
- Including belt clip and bit storage
- FLEX battery system: suitable for all 18.0 V battery packs

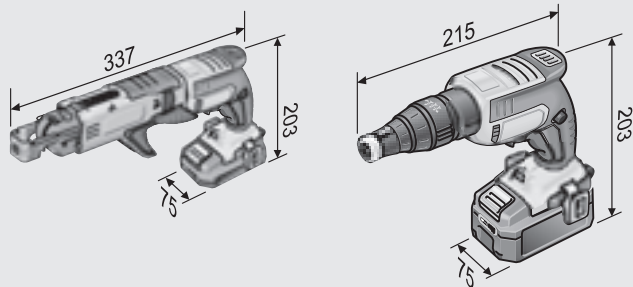


SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max. torque	28 Nm
No load speed	0-4500 rpm
Tool fixture	1/4" hexagon socket
Max. screw diameter	4.2 mm
Weight without battery	0.975 kg
Weight with battery 2.5 Ah / M-DW 55	1.89 kg

Cordless drywall screwdriver 18.0 V with screw magazine attachment

- Screw magazine attachment can be removed without any tools
- Ergonomic two-handed operation of magazine and drywall screwdriver for reliable and accurate screw joints



Standard equipment

Standard equipment	Order no.
DW 45 18.0-EC	447.757
1 bit holder UH-M 50 E6.3-C6.3	395.919
1 depth stop	1 piece
1 bit storage	430.862
1 belt clip	467.154
1 carrying case L-BOXX® 136	414.085
1 case insert	466.840

DW 45 18.0-EC/2.5 Set	467.146
1 bit holder UH-M 50 E6.3-C6.3	395.919
1 depth stop	1 piece
1 bit storage	430.862
1 belt clip	467.154
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	466.840

DW 45 18.0-EC M/2.5 Set	466.824
1 screw magazine attachment M-DW 55	463.698
1 bit holder UH-M 50 E6.3-C6.3	395.919
1 bit DB PH2 150 E6.3	1 piece of 466.859
1 depth stop	1 piece
1 bit storage	430.862
1 belt clip	467.154
2 batteries 2.5 Ah AP 18.0/2.5	445.886
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	466.840

Rotary hammer drill

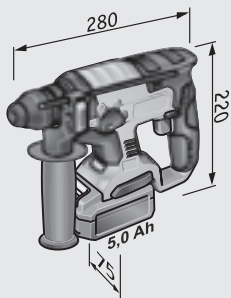
CHE 18.0-EC

CHE 18.0-EC/5.0 Set



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

Standard equipment	Order no.
CHE 18.0-EC	430.005
1 handle	436.364
1 depth stop	436.372
1 carrying case L-BOXX® 238	414.093
1 case insert	435.945
CHE 18.0-EC/5.0 Set	461.768
1 handle	436.364
1 depth stop	436.372
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	435.945



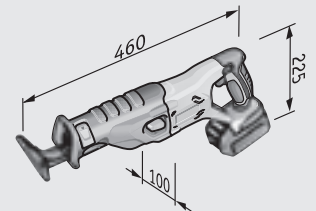
Cordless reciprocating saw 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Accelerator switch for a slow and gentle start
- 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



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
RS 29 18.0/5.0 Set	462.799
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	423.246

Saws

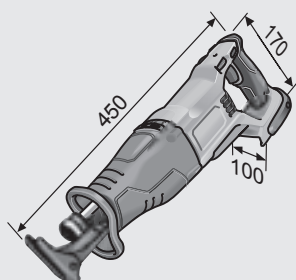
RSP DW 18.0-EC

RSP DW 18.0-EC/5.0 Set



SPECIFICATIONS

Orbit rate, no load	0-3000 opm
Orbit	32 mm
Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max. material thickness, timber	300 mm
Max. material thickness, metal	20 mm
Size (W x L x H)	450 x 170 x 100 mm
Weight without battery	4.1 kg



Cordless reciprocating saw with pendulum stroke 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
- Up to 40% less vibration thanks to double-bearing lifting rod guide for fatigue-free working
- Accelerator switch for a slow and gentle start
- Variable speed control
- Tool-free saw blade change with ejection function allows saw blades to be removed from the quick tool tension contactless.
- Universal saw blade holder: for an easy saw blade exchange
- Orbital stroke continuously adjustable from 0-3 mm: switch-activated, especially for fast sawing of timber
- Saw blade can be turned through 180°
- Saw support can be adjusted and detached without any tools
- Dust- and splash-proof lifting rod guide
- Ergonomically designed, non-slip, soft grip handle
- Rubberised gear case for a secure grip
- Integrated LED light
- FLEX battery system: suitable for all 18.0 V battery packs

Standard equipment

Order no.

RSP DW 18.0-EC	466.964
1 assortment of saw blades	462.179
1 carrying case L-BOXX® 238	414.093
1 case insert	468.282

RSP DW 18.0-EC/5.0 Set	469.084
1 assortment of saw blades	462.179
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	468.282



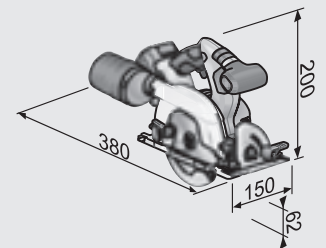
Cordless circular saw with pendulum hood 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Brushless motor with greater efficiency and a longer service life
- 18.0 V EC motor with overload protection and temperature monitoring
- LED battery capacity display
- Dual clamped swivel element prevents the saw blade from jamming when making mitre cuts and therefore the risk of recoil
- Spindle lock: for quick replacement of blades
- Angle scale from 0 ° to 50 °. With preset angles of 22.5° / 45°, and 50°. Easy to read, precision adjustment via non-slip clamping elements
- Swivel range from 0° to 50° for undercuts as well as scoring function for perfect visible edges
- Intuitive clamp lever for cutting depth adjustment, cutting depth is easy to read off
- In accordance with the latest regulations without splitting wedge for plunge cuts and without time-consuming removal of splitting wedge
- Woodshaving collection bag for low-dust operation, simple to empty, tool-free attachment by means of bayonet connection
- Connector for external dust extraction Ø 27 mm or step adapter
- Ideal for traditional applications in dry construction and refurbishing, e.g. for making saw cuts through plasterboard, concrete fibre boards, wood materials, such as chipboard or OSB boards
- FLEX battery system: suitable for all 18.0 V battery packs



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
No load speed	5000 rpm
Pivoting range	0-50 °
Saw blade holder	20 mm
Cutting depth	0-62 mm
Depth of cut - mitre cut	0-38 mm
Depth of cut - mitre cut with guide rail	0-32 mm
Blade Ø	165 mm
Angle preset	0°/22.5°/45°/50°
Size (W x L x H)	380 x 150 x 200 mm
Weight without battery	3.1 kg



Standard equipment	Order no.
CS 62 18.0-EC	417.939
1 saw blade Z 24-WZ	456.012
1 dust bag	1 piece
1 extraction adapter	1 piece
1 carrying case L-BOXX® 374	414.107
1 case insert	459.380
CS 62 18.0-EC/5.0 Set	454.028
1 saw blade Z 24-WZ	456.012
1 dust bag	1 piece
1 extraction adapter	1 piece
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 374	414.107
1 case insert	459.380

Mixer

MXE 18.0-EC

MXE 18.0-EC/5.0 Set

MXE 18.0-EC/5.0 Set + RR2 120

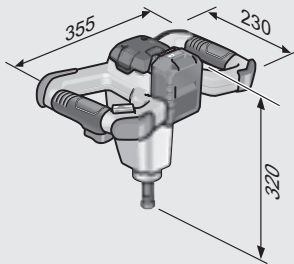
MXE 18.0-EC/5.0 Set + WR2 120

MXE 18.0-EC/5.0 Set + WR3R 120



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
No load speed 1st gear	0-210/325/530 rpm
No load speed 2nd gear	0-320/490/780 rpm
Tool fixture	M 14
Clamping collar Ø	53 mm
Max. mixing paddle Ø	120 mm
Size (W x L x H)	355 x 230 x 320 mm
Weight without battery	4.1 kg



Standard equipment

Standard equipment	Order no.
MXE 18.0-EC	459.364
1 open-ended wrench SW 22	439.975
MXE 18.0-EC/5.0 Set	459.372
1 open-ended wrench SW 22	439.975
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
MXE 18.0-EC/5.0 Set + RR2 120	469.106
1 RR2 spiral paddle 120x600 M14	368.903
1 open-ended wrench SW 22	439.975
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
MXE 18.0-EC/5.0 Set + WR2 120	469.092
1 WR2 helix paddle 120x600 M14	368.881
1 open-ended wrench SW 22	439.975
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
MXE 18.0-EC/5.0 Set + WR3R 120	469.114
1 helix paddle WR3R 120x600 M14	368.911
1 open-ended wrench SW 22	439.975
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882



2-speed cordless mixer with 3-level speed switch 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
- Large, rugged 2-gear unit with optimum ratios for powerful torque and correct speed for different materials
- 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
- Rotary switch to set the optimum mixing speed. Speed 1: for highly viscous materials, speed 2: for medium and low viscosity materials
- Accelerator switch for a slow and gentle start
- On/off switch with lock and protection
- 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 splashing water
- Patented spindle lock with start-up protection. For tool-less exchange of the mixing paddle
- For mixed applications up to 30 kg
- FLEX battery system: suitable for all 18.0 V battery packs



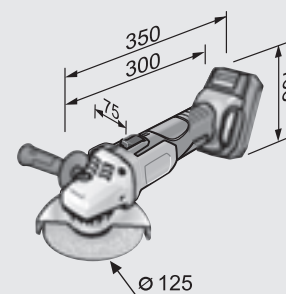
Cordless angle grinder ACCUFLEX 18.0 V, 125 mm

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Brushless motor with greater efficiency and a longer service life
- With soft start, overload protection and restart protection
- 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.
- Tool-free adjustment of safety guard
- Spindle lock
- Hand grip optionally on left or right side.
- FLEX battery system: suitable for all 18.0 V battery packs



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Max. disc diameter	125 mm
No load speed	8500 rpm
Tool fixture	M 14
Weight without battery	1.75 kg



Standard equipment	Order no.
L 125 18.0-EC	461.725
1 guard grinding 125 Ø	436.860
1 handle	450.774
1 pin wrench	100.110
1 clamping flange	335.282
1 clamping nut	100.080
1 carrying case L-BOXX® 136	414.085
1 case insert	444.405
L 125 18.0-EC/5.0 Set	417.947
1 guard grinding 125 Ø	436.860
1 handle	450.774
1 pin wrench	100.110
1 clamping flange	335.282
1 clamping nut	100.080
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 136	414.085
1 case insert	444.405

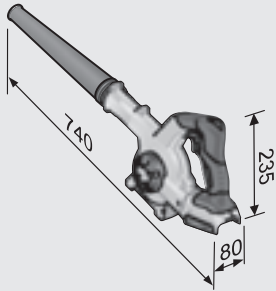
Cordless Tools

BW 18.0-EC



SPECIFICATIONS

Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
No load speed	10600 / 14200 / 18000 rpm
Max. air speed	80 m/sec
Max. air flow rate	3.11 m ³ /min
Weight without battery	1.2 kg



Cordless blower 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
- Air volume regulation on 3 levels
- Compact, handy, lightweight design
- Ergonomically shaped soft handle with on/off switch and lock for continuous operation
- Ideal for hard to reach places
- Space-saving storage thanks to removable blow tube and nozzle
- With adaptor and matching reduction nozzles to inflate e.g. air beds
- 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.
BW 18.0-EC	472.913
3 nozzles	3 pieces

Accessories page 110



NEW

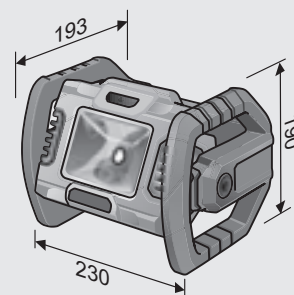
LED cordless building site spotlight 18.0 V

- Powerful cordless construction site light with two brightness settings, 1200 and 2000 lumen
- Lamp can be turned through 360°
- 5/8" connection thread for tripods
- With optional wall fastening
- Rugged and long-life for heavy-duty use
- LED battery capacity display
- Visual early-warning system: low battery charge is indicated by slightly decreasing level of brightness
- 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
Luminous flux	1200 / 2000 lm
Size (W x L x H)	193 x 230 x 190 mm
Weight without battery	2.4 kg



Standard equipment	Order no.
CL 2000 18.0	472.921








Drill driver/impact drill

Accessories

4

Cordless Tools

Type	Description	Designation	QP	Order no.	DD 2G 10.8-LD	DD 2G 10.8-EC/PD 2G 10.8-EC	DD 2G 18.0/PD 2G 18.0	DD 2G 18.0-EC/PD 2G 18.0-EC	ID 1/4" 18.0	ID 1/4" 18.0-EC	IW 1/2" 18.0-EC	DW 45 18.0-EC	CHE 18.0-EC	RS 29 18.0	RSP DW 18.0-EC	CS 62 18.0-EC	MXE 18.0-EC	L 125 18.0-EC	BW 18.0-EC	CL 2000 18.0		
Battery powered heating jacket 	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	1	417.998																		
		TJ 10.8/18.0 L	1	423.165																		
		TJ 10.8/18.0 XL	1	423.173																		
		TJ 10.8/18.0 XXL	1	423.181																		
LED worklamp 	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 10.8 V 	Battery pack Li ion 10.8 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 10.8/2.5	1	418.048	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		AP 10.8/4.0	1	439.657	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		AP 10.8/6.0	1	438.294	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Li-Ion rechargeable battery pack 18.0 V 	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 18.0/2.5	1	445.886	-	-	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
		AP 18.0/5.0	1	445.894	-	-	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Rapid charger 10.8 Volt 	For charging 10.8 V battery packs. With LED charging level indicator, suspension hole, high energy transfer rate and low energy consumption. Charging time approx. 40 min. for 2.5 Ah, approx. 50 min. for 4.0 Ah and approx. 85 min. for 6.0 Ah batteries.	CA 10.8	1	418.021	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rapid charger 	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	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		





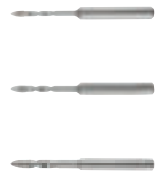
Type	Description	Designation	L in mm	QP	Order no.	DD 2G 10.8-LD	DD 2G 10.8-EC/PD 2G 10.8-EC	DD 2G 18.0/PD 2G 18.0	DD 2G 18.0-EC/PD 2G 18.0-EC	ID 1/4" 18.0	ID 1/4" 18.0-EC	IW 1/2" 18.0-EC	DW 45 18.0-EC	CHE 18.0-EC	RS 29 18.0	RSP DW 18.0-EC	CS G2 18.0-EC	MXE 18.0-EC	L 125 18.0-EC	BW 18.0-EC	CL 2000 18.0	
Battery adapter 	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	456.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Angle attachment 	Tool-free quick-change system when drilling and screwdriving in areas which are difficult to access. With magnetic drill spindle for holding drill and screwdriver bits and for holding the keyless chuck and bit holder (only for DD/PD 10.8-EC).	WV 10.8-EC		1	442.372	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		WV 18.0-EC		1	454.001	-	-	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-
Keyless chuck 	With rotation stop, for clamping shank tools Ø 1.5-13 mm.	BF 10.8-EC		1	442.364	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keyless chuck 	With rotation stop, for clamping shank tools Ø 1.5-13 mm.	BF 18.0-EC		1	453.986	-	-	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-
Screw magazine attachment 	For standard, belted screws. Screw magazine attachment rotates 360°, making it easy to reach into corners, tool-free screwing depth setting via wheel, tool-free adjustable depth stop to adapt to different screw lengths from 25-55 mm, max. shank diameter 4.2 mm. Ergonomic SoftGrip handles. Fits drywall screwdriver DW 45 18.0-EC.	M-DW 55		1	463.698	-	-	-	-	-	-	-	■	-	-	-	-	-	-	-	-	-
Bit holder 	For holding 1/4" bits.	BV 10.8-EC		1	442.380	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		BV 18.0-EC		1	453.994	-	-	-	■	-	-	-	-	-	-	-	-	-	-	-	-	-
Bit set 	Set consisting of 18 high-performance torsion bits: 2x T10, 2x T15, 2x T20, 2x T25, 2x T30, 2x T40, PH1, PH2, PH3, PZ1, PZ2, PZ3 and quick-lock bit holder.	DB T-Box Set-1		1	455.881	■	■	■	■	■	■											




Drill driver/impact drill

Accessories

4

Cordless Tools

Type	Description	Designation	D/T in mm	L in mm	QP	Order no.	DD 2G 10.8-LD	DD 2G 10.8-EC/PD 2G 10.8-EC	DD 2G 18.0/PD 2G 18.0	DD 2G 18.0-EC/PD 2G 18.0-EC	ID 1/4" 18.0	ID 1/4" 18.0-EC	IW 1/2" 18.0-EC	DW 45 18.0-EC	CHE 18.0-EC	RS 29 18.0	RSP DW 18.0-EC	CS 62 18.0-EC	MXE 18.0-EC	L 125 18.0-EC	BW 18.0-EC	CL 2000 18.0		
 <p>Bit</p>	<p>Design PH size 2, E 6.3. Can be used with screw magazine attachment M-DW 55 (463.698).</p>	DB PH2 150 E6.3 VE3		150	3	466.859	-	-	-	-	-	-	-	■	-	-	-	-	-	-	-	-	-	
 <p>Bit holder</p>	<p>Magnetic, design PH size 2, E 6.3. Can be used with DW 45 18.0-EC.</p>	UH-M 50 E6.3-C6.3		50	1	395.919	■	■	■	■	■	■	-	■	-	-	-	-	-	-	-	-	-	
 <p>Auxiliary handle</p>	<p>Suitable for cordless drill driver and impact drill 18.0 V.</p>	HZ-S DD/PD 18.0			1	428.698	-	-	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	
 <p>Diamond dry drill bits</p>	<p>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.</p>	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	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-
 <p>Tile drill bits</p>	<p>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.</p>	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	■	■	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Type	Description	Designation	D/T in mm	QP	Order no.	DD 2G 10.8-LD	DD 2G 10.8-EC/PD 2G 10.8-EC	DD 2G 18.0/PD 2G 18.0	DD 2G 18.0-EC/PD 2G 18.0-EC	ID 1/4" 18.0	ID 1/4" 18.0-EC	IW 1/2" 18.0-EC	DW 45 18.0-EC	CHE 18.0-EC	RS 29 18.0	RSP DW 18.0-EC	CS 62 18.0-EC	MXE 18.0-EC	L 125 18.0-EC	BW 18.0-EC	CL 2000 18.0			
	For making long cuts and for sawing wood materials, such as chipboard, OSB, MDF boards.	D165x1.6/1.0x20 HM Z=24 WZ	165 Ø x 20	1	456.012	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-	-			
	Can be mounted tool-free. Perfect guidance of the CS 62 on the FLEX guide rail for cuts of 0-50° (Festool guide rail 0°).	GR-A CS 62		1	467.065	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-	-			
	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, with additional front handle.	TK-L 136		1	414.085	■	■	■	■	■	■	■	-	-	-	-	-	-	■	-	-			
		TK-L 238		1	414.093	-	-	-	-	-	-	-	-	-	■	■	■	-	-	-	-	-		
		TK-L 374		1	414.107	-	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-	-		
Case insert	Matching insert for DD/PD/ID/IW 18.0 for carry case L-BOXX® 136.	TKE DD/PD/ID/IW 18.0		1	423.238	-	-	■	-	■	■	■	-	-	-	-	-	-	-	-	-			
		Matching insert for DD/PD 10.8 for carry case L-BOXX® 136.	TKE DD/PD 2G 10.8-EC		1	440.841	■	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		Matching insert for DD/PD 18.0-EC for carry case L-BOXX® 136.	TKE DD/PD 2G 18.0-EC		1	454.125	-	-	-	■	-	-	-	-	-	-	-	-	-	-	-	-		
		Matching insert for DW 45 18.0-EC for carry case L-BOXX® 136.	TKE DW 45 18.0-EC		1	466.840	-	-	-	-	-	-	-	■	-	-	-	-	-	-	-	-		
		Matching insert for CHE 18.0 EC for carry case L-BOXX® 238.	TKE CHE 18.0-EC		1	435.945	-	-	-	-	-	-	-	-	■	-	-	-	-	-	-	-		
Matching insert for RS 29 18.0 for carry case L-BOXX® 238.	TKE RS 18.0		1	423.246	-	-	-	-	-	-	-	-	-	■	-	-	-	-	-	-				
Matching insert for RSP DW 18.0-EC for carry case L-BOXX® 238.	TKE RSP DW 18.0-EC		1	468.282	-	-	-	-	-	-	-	-	-	-	■	-	-	-	-	-				
Matching insert for CS 62 18.0-EC for carry case L-BOXX® 374.	TKE CS 62 18.0-EC		1	459.380	-	-	-	-	-	-	-	-	-	-	-	-	■	-	-	-				
Matching insert for L 125 18.0 EC for carry case L-BOXX® 136.	TKE L125 18.0-EC		1	444.405	-	-	-	-	-	-	-	-	-	-	-	-	-	■	-	-				



Wall and ceiling sander

The introduction of the FLEX Giraffe® long-neck sander revolutionised the workflow in painting, drywall construction, plastering and many other specialist trades.

Today, the Giraffe® from FLEX is the world's best-selling neck sander and the success story continues. Flex has been continuously further developing the Giraffe® for many years using innovative ideas, for example with the shorter, handy Okapi® or the Handy-Giraffe sanders. When work has to be done on large surfaces or heights of up to 3.4 m, the practical Giraffe workstation makes this work much easier.

A rugged carrying bag is also available to transport the tool easily and store it properly as well; the bag also has room and storage space for sanding paper, suction hose and other accessories.

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NEW PRODUCTS






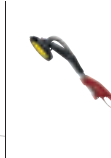






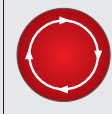


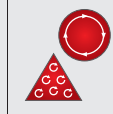
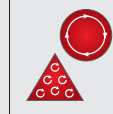
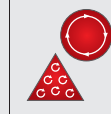
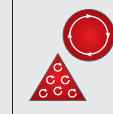
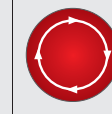
Giraffe® GE 7

Wall and ceiling sander with interchangeable head system

→ Page 122



Overview of power tools

	 Giraffe® GE 7	 Giraffe® GE 5	 Giraffe® GE 5 R	 Okapi® GSE 5 R	 Handy-Giraffe® WSE 7 Vario Set	 Handy-Giraffe® WSE 7 Vario Plus	 Vario-Giraffe® WST 700 W	 Vario-Giraffe® WST 700 W Plus	 Concrete-Giraffe® WST 1000 FV
Drive type	 random orbit, rotary, rotary close to the edge, orbital	 rotary	 rotary close to the edge	 rotary close to the edge	 rotary, orbital	 rotary, orbital	 rotary, orbital	 rotary, orbital	 rotary
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 backing pad soft	■	■	■	■	■	■	■	■	
Velcro backing pad medium	■	■	■	■	■	■	■	■	
Velcro backing pad hard	■	■	■	■	■	■	■	■	
Suction hose - antistatic	■	■	■	■	■	■	■	■	■
Carrying case (bag)	■	■	■	■	■	■	■	■	■

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■ Standard equipment ■ available as an accessory

Giraffe® GE 7– With interchangeable sanding head system

Since the sander was launched in 1997, FLEX engineers have been working constantly to enhance the pioneer of the long-neck sanders even further. Every subsequent generation of the Giraffe thus represents innovation and more perfect handling on the construction site. The GE 7 has now achieved another milestone which makes drywall construction work even simpler and more flexible. This is our clear brand promise to all users.

1 NEW Random-orbital sanding head

The effortless way to achieve perfect surfaces in Q3 and Q4 quality. Coatings and fillers can be sanded efficiently and the user is in complete control.

2 Extraction hood with a brush ring

The spring-mounted brush ring on the extraction guard prevents unintentional sanding marks when applying the power tool. The flexible brush ring ensures optimum dust extraction.

3 Rotary sanding head with edge segment

Can sand surface transitions between wall and ceiling without the need to interrupt the work. This avoids laborious manual work.

4 Triangular sanding head

The specialist for corners and edges makes it possible to sand transitions between walls and ceilings to a step-free finish.

5 Round sanding head rotary

For wall sanding with a high removal rate.

6 Flexible drive shaft

The proven FLEX technology for reliable power transmission from the motor to the sanding pad.

7 Electronic control

Adjustable speed can be set to suit the scouring task. Under load, the constant speed is maintained by electronics with overload protection.



Tool-free extension

An additional extension tube can be integrated if required with just one click, thus making it possible to work on high walls and ceilings.



Flexible adjustment

The gimbal suspension of the sanding heads means that the GE 7 achieves maximum flexibility and creates smooth transitions on all surface geometries.





Video

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

9 Ergonomic guide tube
Oval guide tube with improved grip. An additional handle can be incorporated here, if required.




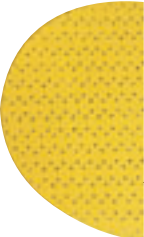



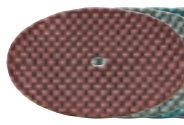
10 Click connection for the suction hose
The FLEX Clip system provides safe suction without the need for an adapter. Simply attach the hose of the FLEX vacuum cleaner – and work can begin.



Compact when packed
Dust-proof, dirt-proof and space saving or simply easy to transport. The carrying bag is the perfect place to store tool and accessories and your best companion on every building site.

FLEX Safety vacuum cleaners
The tried-and-tested extraction system of the FLEX Giraffe® has an efficiency of more than 95% and is supplemented by the FLEX safety vacuum cleaner, which can be equipped with a practical holder for the Giraffe tube.

The range of abrasives for the FLEX Giraffe

<p>SELECTFLEX velcro sanding paper</p> 	<p>P 16 Roughening wallpaper surfaces (ingrain wallpaper) for rapid absorption of liquids (wallpaper stripper)</p> <p>Roughening polystyrene panels for heat insulation (styrofoam)</p>	<p>Velcro sanding grid</p> 	<p>K 80 - K 100 Pre-sand basic plaster</p> <p>Sand down soft, smeary, not-yet hardened filler points</p>
	<p>P 40 - P 120 Blending plastered surfaces in the renovation section (existing plaster - new plaster)</p>	<p>Superfinishing pad</p> 	<p>S 320 - S 1200 Smooth and polish marble and smoothing plasters (wall and ceiling structuring)</p>
<p>Velcro sanding paper (perforated)</p> 	<p>P 60 - P 120 Roughen loose existing coatings</p>	<p>Velcro sanding fleece</p> 	<p>A 100 - A 180 Pre-sanding, cleaning and matting existing paint coatings prior to repainting (large-vehicles, containers ...)</p>
	<p>P 120 - P 180 Sanding stripped surfaces and removing wallpaper residue</p>	<p>Velcro polishing sponge</p> 	<p>A 180 Intermediate sanding of waxed, oiled or glazed wooden floors, wood panel floors and OSB boards (remove upright wood fibres)</p>
<p>Netflex</p> 	<p>P 80 - 100 For levelling out unevenness or for roughing up and for preparing for further layers of filler or plaster (Q1-Q2).</p> <p>P 120 - 150 For finishing work and for fine filling work in dry construction (Q2-Q4).</p>	<p>Diamond sanding pad</p> 	<p>soft Polishing painted surfaces.</p> <p>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.</p>



Wall and ceiling sander

GE 7 + MH-0

GE 7 + MH-R + SH

GE 7 + MH-0 + MH-T + SH

GE 7 + MH-R + MH-X + SH



SPECIFICATIONS

Power input	710 watt
Power output	410 watt
No load speed	1100-1650 rpm
Orbit rate, no load MH-T	3800-5700 opm
Orbit rate, no load MH-X	3100-4600 opm
Sanding disc Ø	225 mm
Tool fixture	velcro
Tilt angle on the head	100 °
Length	1520 mm
Cable length	5.0 m
Weight	4.2 kg

Standard equipment

Order no.

GE 7 + MH-0

460.001

1 round sanding head MH-0	457.175
1 clip-on quick clamping ring SH-FC 32	406.023
1 carrying bag	408.867

GE 7 + MH-0 + MH-T + SH

460.028

1 round sanding head MH-0	457.175
1 triangular sanding head MH-T	457.191
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 clip-on quick clamping ring SH-FC 32	406.023
1 carrying bag	408.867

GE 7 + MH-R + SH

447.447

1 segment sanding head MH-R	457.183
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

GE 7 + MH-R + MH-X + SH

460.036

1 segment sanding head MH-R	457.183
1 excentric sanding head MH-X	457.205
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

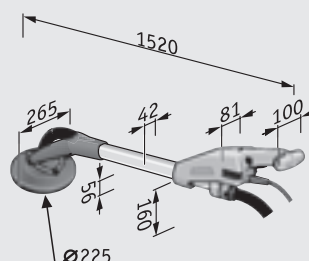


Giraffe® wall and ceiling sander with interchangeable head system

- 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
- Fitted with innovative interchangeable heads that are attached and removed with a click
- 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
- 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
- Very large areas and rooms up to 3.40 m in height can be processed thanks to the optional application of the GM 340
- 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.
- This machine is also available in 110 V

GE 7 versions

- Round sanding head for standard grinding of walls
- Triangular sanding head with a 4 mm stroke, ideal for sanding corners and edges. The orbital movement guides the abrasive directly up to the edge. The rotation follows the movement of the tool, without interruption of work
- Segment sanding head with rotatable edge segment. This allows the sanding of surface transitions from wall to wall and wall to ceiling. The head's rotation follows the movement of the machine, without interruption of work
- Excentric sanding head with a 4 mm stroke that makes it easy to achieve perfect surfaces in Q3 and Q4 quality



Accessories from page 128



GE 5

GE 5 R

GE 5 / R + TB-L

GE 5 / R + SH Kit

GE 5 / R + TB-L + SH

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 3.40 m in height can be processed thanks to the optional application of the GM 340
- 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.
- This machine is also available in 110 V

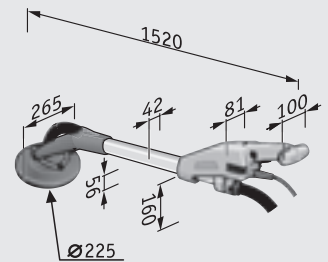
GE 5 R

- 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.
- This machine is also available in 110 V



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.

GE 5	405.884
GE 5 R	405.892
1 velcro sanding disc supersoft	399.418
1 clip-on quick clamping ring SH-FC 32	406.023
GE 5 + TB-L	409.316
GE 5 R + TB-L	409.324
1 velcro sanding disc supersoft	399.418
1 clip-on quick clamping ring SH-FC 32	406.023
1 carrying bag	408.867
GE 5 + SH Kit	409.375
GE 5 R + SH Kit	409.383
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
GE 5 + TB-L + SH	409.391
GE 5 R + TB-L + SH	409.405
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

Wall and ceiling sander

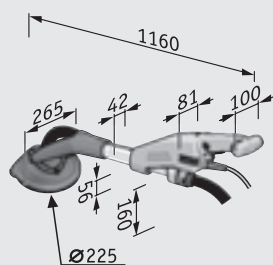
GSE 5 R + TB-L

GSE 5 R + TB-L + SH



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



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

Standard equipment	Order no.
GSE 5 R + TB-L	416.207
1 velcro sanding disc supersoft	399.418
1 clip-on quick clamping ring SH-FC 32	406.023
1 carrying bag	415.189
GSE 5 R + TB-L + SH	417.823
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

Accessories from page 128



Handy-Giraffe® wall and ceiling sander

- VR electronic control: stepless speed selection, tachogenerator-controlled constant speed, overload protection, re-start protection 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

For WSE 7 Vario

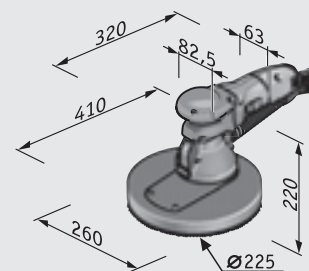
- Machine without sanding head as an addition for the Vario-Giraffe® WST 700 VV and WST 700 VV Plus

Not suitable with interchangeable head system of GE 7.



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)	410 x 260 x 220 mm
Cable length	4.0 m
Weight	2.8 kg



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

WSE 7 Vario 377.821

Wall and ceiling sander

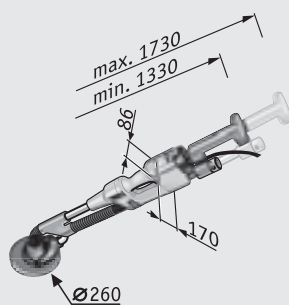
WST 700 VV

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



Vario-Giraffe® wall and ceiling sander

- VV electronic control: 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 W 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

Standard equipment

Standard equipment	Order no.
WST 700 VV	350.311
Round sanding head with velcro sanding pad supersoft	350.346
Velcro backed sanding paper, 1 x P 60, 80, 100, 220	1 set
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

WST 700 VV Plus	350.338
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	1 set
Velcro backed sanding paper, triangular, Select, 1 x P 60, 80, 100, 220	1 set
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

Accessories from page 128



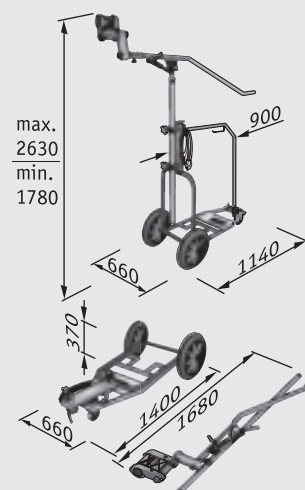
NEW

Mobile workstation for wall and ceiling sanders

- Mobile workstation for mounting of Giraffe® versions GE 7, 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
Tool fixture	all Giraffe types (except WSE 7, GSE 5)
Max. working height	3400 mm
Dimensions in mm	1140 x 670
Cable length	7.5 m
Weight	31.5 kg



5

Wall and ceiling sander







Standard equipment Order no.








GM 340

473.278

Wall and ceiling sander

Accessories

Type	Description	Designation	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 W / Plus
 <p>Round sanding head</p>	<p>Optimally suitable for finishing large surfaces on walls and ceilings. Effective dust extraction, high surface removal rate.</p>	MH-0 D225	1	457.175	■	-	-	-	-
 <p>Rotary sanding head with edge segment</p>	<p>Allows processing of surface transitions from the wall to the ceiling. The rotation of the edge sanding head is induced by the movement of the tool, without interruption of the sanding process. This results in a 5 times faster edge processing. The integrated sliding edges on the sanding head prevent damage to the contact surfaces on the wall and ceiling.</p>	MH-R D225	1	457.183	■	-	-	-	-
 <p>Triangular sanding head</p>	<p>Ideal for sanding corners and edges with 4 mm stroke. The orbital movement of the sanding paper guides the abrasive directly to the edge. Due to the large contact surface with respect to hand-held excentric sanders, a better evenness of the surface is achieved. The rotation of the triangular sanding head adapts to tool movement, which allows sanding of the wall and ceiling transitions without interruption of the operation. With changeable protective corners with sliding strips.</p>	MH-T 290x290	1	457.191	■	-	-	-	-
 <p>Excentric sanding head</p>	<p>The innovative excentric sanding head and it's 4 mm stroke effortlessly achieve perfect surfaces in the Q3 and Q4 range. Fast putties, spray fillers and also softer putties and fillers can be grinded with the excentric sanding head efficiently and in a controlled manner. The sanding paper with multi-hole perforation ensures optimum dust extraction and thus comfortable work.</p>	MH-X D225	1	457.205	■	-	-	-	-
 <p>Round sanding head</p>	<p>Optimally suitable for finishing large surfaces on walls and ceilings. Effective dust extraction, high surface removal rate.</p>	VSR D225	1	350.346	-	-	-	■	■
 <p>Triangular sanding head</p>	<p>Ideally suited for the processing of corners and edges. The eccentric movement of the sanding head guides the sanding tool directly up to the edge. With exchangeable protective corners with sliding strips.</p>	VSX 290x290	1	388.289	-	-	-	■	■







Type	Description	Designation	Type	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 VV / Plus
Velcro backing pad Ø 225, round    	Hard backing pad with high removal rate, with use with velcro backed abrasives. Recommended for use with diamond grinding pads Ø 225.	SP-H D225-10	hard	1	350.362	-	-	-	■	■
	Medium backing pad for sanding down soft fillers. Velcro system for fixing of abrasives. Recommended for use with diamond grinding pads Ø 225.	SP-M D225-10	medium	1	352.306	-	-	-	■	■
	Soft. Highly flexible backing pad. Facilitates handling and allows for sensitive working. Prevents damage (swirl marks) when the pad touches the surface. For use with velcro backed abrasives.	SP-S D225-10	soft	1	366.862	-	-	-	■	■
	Supersoft. The sanding disc enables extremely gentle positioning on the wall. The set consists of a backing pad, Velcro adapter (KAD D225/16), clamping disc and screw. For GE 5 / R, GSE 5, GE 7.	KAD D225/16 Set	supersoft	1	483.486	■	■	■	-	-
	Supersoft. The sanding disc enables extremely gentle positioning on the wall. The set consists of a backing pad, Velcro adapter (KAD D225/13), clamping disc and screw. For WST 700 VV, WSE 7.	KAD D225/13 Set WST700, WSE7	supersoft	1	441.120	-	-	-	■	■
	Backing pad for finishing surfaces in Q3 and Q4 quality. Sanding disc attached with velcro system. Can be used with the GE 7 random-orbital sanding head (MH-X D225).	SP-X D225		1	472.603	■	-	-	-	-
Velcro triangular backing pad 	Backing pad for plaster or hard filler compounds in drywall construction, for use with velcro backed abrasives.			1	354.988	-	-	-	■	■
		SP-T 290x290		1	472.611	■	-	-	-	-
Interface Ø 225, round 	Interface as absorbing element between grinding pad and abrasive paper. Ideal for finishing surfaces. Improves the dust extractor action and lengthens the service life of the sanding disks. Recommendation: work with interface for in-between and final sanding involving finer grain. Do not work with interface for rough sanding involving coarse grain and when using sanding fleece.	IP D225-10 VE2		2	470.678	■	■	■	■	■


Wall and ceiling sander

Accessories

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Wall and ceiling sander

Type	Description	Designation	Type	Height/ Dimensions in mm	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 W / Plus
Padded adapter for velcro paper 	Velcro system for attaching the abrasive discs. Suitable for deburring filled-in surfaces. For GE / R, GSE 5 / R.	KAD D225/16 S	supersoft	16	1	483.109	■	■	■	-	-
	Velcro system for attachment of sanding tools. Suitable for high removal from different substrates using coarse abrasive grit. For GE / R, GSE 5 / R.	KAD D225/16 H	hard	16	1	483.117	■	■	■	-	-
	Velcro system for attaching the abrasive discs. Suitable for deburring filled-in surfaces. For WSE 7, WST 700.	KAD D225/13 S	supersoft	13	1	437.956	-	-	-	■	■
	Velcro system for attachment of sanding tools. Suitable for high removal from different substrates using coarse abrasive grit. For WSE 7, WST 700.	KAD D225/13 H	hard	13	1	439.800	-	-	-	■	■
Extension 	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	■	■	■	-	-
Auxiliary handle 	For effortless working in difficult positions (e.g. overhead work).	HZ-S G			1	408.972	■	■	■	-	-
Adapter 	Adapter for GM 320 suitable for the GE 5/R, GE 7.	GMA G			1	409.308	■	■	-	-	-
Insert carrying case head retainer 	Matching insert for the GE 7, GE 5 / R, GSE 5 R for the sanding head retainer in the carrying case.	TBE-T G			1	408.735	■	■	■	-	-
Insert carrying case handle retainer 	Matching insert for the GE 7, GE 5 / R, GSE 5 R for the handle retainer in the carrying case.	TBE-B G			1	408.743	■	■	■	-	-


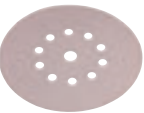




Type	Description	Designation	Dimensions in mm	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 W / Plus
Carrying bag 	Light-weight and robust carrying case made of tear-resistant textile material. The Giraffe® is optimally protected by moulded foam parts (optional accessories). 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	-	-	■	-	-
Carrying case 	Made of impact-resistant plastic for the WSE 7.	TK-L 609x409x201	609 x 409 x 201	1	366.641	-	-	-	■	-
Case insert - lid 	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 	Suitable insert for the WSE 7, round sanding head and triangular sanding head for the base of the carrying case 366.641.	TKE-B WSE7		1	383.899	-	-	-	■	-
Carrying case 	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	-	-	-	■	■
Antistatic suction hose with auxiliary air control 	Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (445.029), 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 	For suction adapter SAD-FC 32 and for GE 5 /R, GSE 5 R.	SH-FC 32		1	406.023	■	■	■	-	-
Fast clip adapter 	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	-	-	-	■	■




Wall and ceiling sander

Abrasives

5

Wall and ceiling sander

Type	Dimensions in mm	Designation	Grit	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 VW / Plus
Velcro sanding paper (perforated) 	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	■	■	■	■	■
Velcro sanding paper SELECTFLEX 	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-P80-180 VE25	5x P 80/100/120/150/180	25	370.932	■	■	■	■	■		
Velcro sanding paper SELECTFLEX 	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	■	-	-	■	■		
Velcro sanding grid 	225 Ø	D225 GT-K80 VE25	K 80	25	260.237	■	■	■	■	■
		D225 GT-K100 VE25	K 100	25	260.230	■	■	■	■	■
Velcro sanding net NETFLEX 	225 Ø	D225 XGT-P80 VE25	P 80	25	446.173	■	■	■	■	■
		D225 XGT-P100 VE25	P 100	25	446.181	■	■	■	■	■
		D225 XGT-P120 VE25	P 120	25	446.203	■	■	■	■	■
		D225 XGT-P150 VE25	P 150	25	446.211	■	■	■	■	■
Superfinishing pad 	225 Ø	D225 SU-S320 VE10	S 320	10	281.026	■	■	■	■	■
		D225 SU-S1200 VE10	S 1200	10	281.018	■	■	■	■	■

Type	Dimensions in mm	Designation	Grit	QP	Order no.	GE 7	GE 5 / GE 5 R	GSE 5 R	WSE 7 Vario Set / Plus	WST 700 WV / Plus	
Velcro sanding fleece 	225 Ø	D225 SC-A100 VE10	A 100	10	281.042	■	■	■	■	■	
		D225 SC-A180 VE10	A 180	10	281.034	■	■	■	■	■	
Velcro polishing sponge 	225 Ø	PS-W 225/5 VE5	weich	5	280.992	■	■	■	■	■	
Diamond sanding pad 	225 Ø	DP 30 DRY D225	30	1	419.060	■	■	■	■	■	
		DP 50 DRY D225	50	1	419.079	■	■	■	■	■	
		DP 80 DRY D225	80	1	419.087	■	■	■	■	■	
		DP 100 DRY D225	100	1	419.095	■	■	■	■	■	



Surface finishing sanding

Whether high-quality large surfaces or fine sanding of corners and edges - the comprehensive FLEX range of sanders has the right solution for every application. FLEX can cope with all conceivable materials: its tools can be used to work metal, wood, natural or artificial stone and painted surfaces. The following qualities apply for all tools: Optimum removal rate, compact ergonomic design and innovative technical details ensure that FLEX tools convince with their form and function.

Contents

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Overview of power tools

Thorough preparation and the use of the correct sanding technology are crucial factors in the creation of perfect surfaces. Drive type, user skills and the abrasive strength are crucial to determining whether the tool is suitable for the application.

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							
Abrasiveness	1 / 2 / 3	1	1 / 3		1		
Abrasiveness graduation*							
							
	GE 7	GE 5/GE 5 R/ GSE 5 R	WSE 7 Vario	WST 700 VV Vario	LK 604	LG 1704 VR	BBE 14-3 110
	Giraffe® wall and ceiling sander				Grinder without extraction		Brushing machine TRINOXFLEX
<small>Interchangeable heads do not fit GE 7</small>							


Max. disc diameter in mm	225	225	225	225	175	178	120
No load speed rpm	1100-1650	1100-1650	600-1950	1100-1700	4000	1400-4200	1000-3500
Orbit rate, no load rpm	3100-4600 3800-5700	-	1800-5400	3300-5100	-	-	-
Orbit mm	-	-	-	-	-	-	-
Power input in watts	710	500	710	710	1200	1500	1400
Tool fixture	velcro	velcro	velcro	velcro	M 14	M 14	19 mm
Weight in kg	4.2	3.9/3.9/3.6	2.8	4.8	3.2	2.7	2.9
Extraction	■	■	■	■	-	-	■
FLEX clip connection	■	■	■	■	-	-	-
Transport box/bag	■	■	■	■	-	-	■

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


Abrasiveness graduation

1 High removal rate




Rotary, rotary close to the edge
The pad performs a circular movement.

2 Moderate removal rate

















Random orbit
The pad runs freely (not powered) and performs an eccentric movement.

3 Low removal rate



Orbital
The pad performs an oscillating movement.

										
1		2					3			
		5*	4*	3*	2*	1*				
										
Flat-head sander	Sanding specialist	Random-orbit sander					Palm sander		Delta sander	
115	125 / 150	125	125	150	150	150	115 x 105	80 x 130	100 x 150	
700-2300	600-2100	-	8000-13000	5800-10000	5800-10000	-	-	8000-13000	8000-13000	
-	-	12000	16000-26000	11600-20000	11600-20000	4300-13000	14000	16000-26000	16000-26000	
-	-	1.6	2.0	3.0	5.0	8.8	1.6	2.0	2.0	
800	1400	230	200	350	350	710	220	200	200	
velcro	M 14	velcro	velcro	velcro	velcro	velcro	velcro/clamp	velcro	velcro	
2.5	2.6	1.3	1.2	2.1	2.1	2.7	1.2	1.2	1.2	
-	■	■	■	■	■	■	■	■	■	
-	- / ■	-	-	-	-	-	-	-	-	
-	L-BOXX®	-	L-BOXX®	L-BOXX®	L-BOXX®	-	-	L-BOXX®	L-BOXX®	
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* Graduation 1-5 (1 = highest removal, 5 = least removal)

SUPRAFLEX – The 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.

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

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

Painted surfaces



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.

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.



Video

Metal



Gentle removal on any surface

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

Suitable for processing aluminium

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



Video

Stone



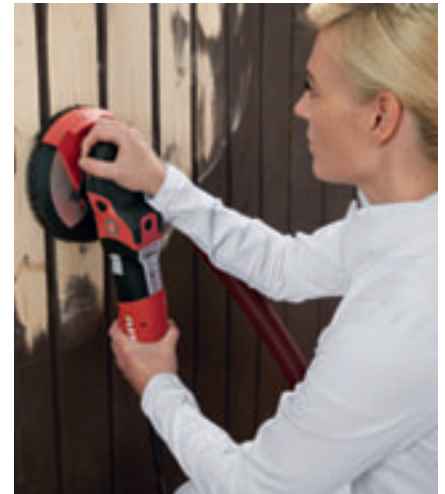
Make something new from something old!

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.



Video

Wood



Unique removal rate

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



Video

SUPRA**FLEX** – 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.



Extraction hood with swivel segment

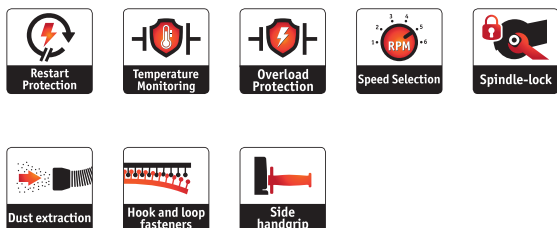
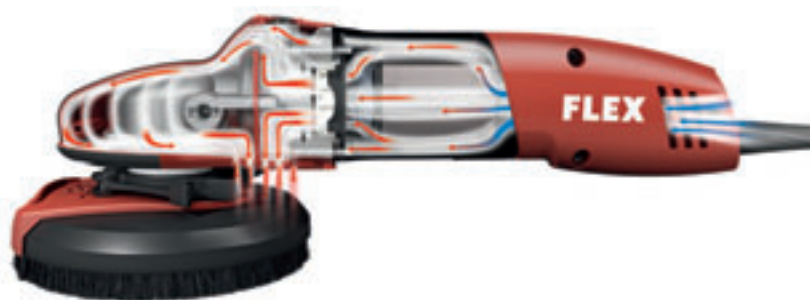
Enables you to work near edges at maximum extraction power. Can be opened without any tools.



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.

- 1 **Grip hood with SoftGrip**
Ergonomically shaped for optimum and precise control of the machine. A side handle can be screwed on if required.
- 2 **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.
- 3 **Simple operation**
Sliding switch for single-hand operation. Also approved for processing metal and stone.
- 4 **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.





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



FLEX clip-system
For fixed hose connection. Adapter with FLEX clip connection for \varnothing 32 mm snap connection included in the standard equipment.



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



Controllable speed of 600–2100 rpm
Adapts the speed during sanding and polishing.

One-hand sanders – Extremely easy to operate with low running noise

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 one-hand sanders are characterised by a very high surface quality particularly when used for fine sanding.

The FLEX one-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 one-hand power tools with optimum ergonomics provide comfortable working conditions.



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



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.

- 1 Softgrip**
Always safe stop and good guidance of the device thanks to easy-to-use handle cap with Softgrip insert.
- 2 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.



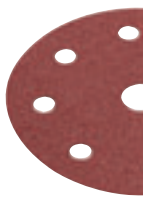


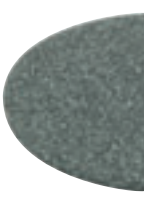

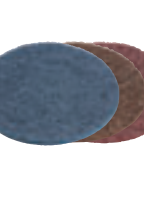

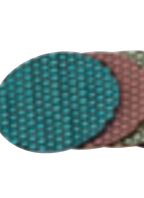




They are hard-wearing
All one-hand sanders feature sanding plates made of a very hard-wearing special material.



Abrasives

	<p>SELECTFLEX Ideally suited for redevelopment, renovation and modernisation, especially for working paints, varnishes, stopping, filler.</p>		<p>MESHFLEX Ideally suited for roughing, cleaning, degreasing, matt finishing on all materials.</p>
	<p>PURFLEX Ideally suited for working wood and metal.</p>		<p>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).</p>
	<p>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).</p>		<p>Superfinishing-Pad High-performance polishing pad for high-gloss polishing of stainless steel and metals, no polishing mediums.</p>
	<p>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.</p>		<p>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.</p>
	<p>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.</p>		<p>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.</p>



Surface finishing sanding

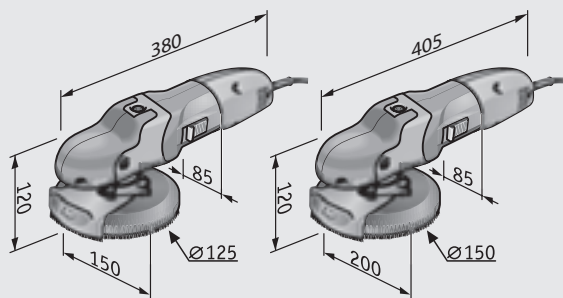
SE 14-2 125 Set

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	380 x 150 x 120 mm
Size (W x L x H) SE 14-2 150 Set	405 x 200 x 120 mm
Cable length	4.0 m
Weight	2.6 kg



Standard equipment

Order no.

SE 14-2 125 Set	391.174
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

SE 14-2 150 Set	419.206
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
- Optimised 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.
- This machine is also available in 110 V (with 125 mm)



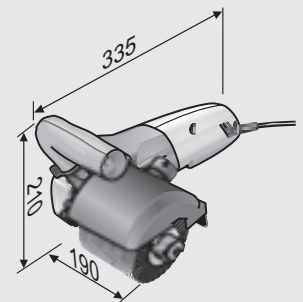
Brushing machine TRINOXFLEX

- 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 change of the system attachments: for burnishing, pipe belt sanding and brushing
- Brush attachment with detachable protective cover and suction connection \varnothing 32 mm for low-dust work. Including guide stop for calendaring narrow workpieces for a rectilinear grinding pattern
- 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
- Spindle lock
- For low-dust work in the metal and stainless steel area. Also for brushing, structuring and cleaning wood surfaces



SPECIFICATIONS

Power input	1400 watt
Power output	880 watt
Max. tool \varnothing	120 mm
Tool width	100 mm
Tool fixture	19 mm
No load speed	1000-3500 rpm
Cable length	4.0 m
Size (W x L x H)	335 x 190 x 210 mm
Weight	2.9 kg



Standard equipment	Order no.
BBE 14-3 110	471.097
1 brushing attachment BB 110	461.555
1 carrying case L-BOXX® 238	414.093
1 case insert	451.991
BBE 14-3 110 Set	461.504
1 brushing attachment BB 110	461.555
1 nylon brushes D110/85 P46	465.135
1 steel stranded wire brush D100/85	465.178
1 carrying case L-BOXX® 238	414.093
1 case insert	451.991

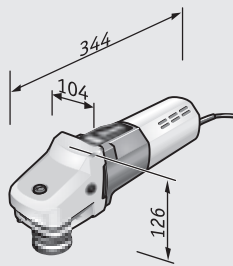
Surface finishing sanding

LG 1704 VR



SPECIFICATIONS

Max. disc diameter	178 mm
No load speed	1400-4200 rpm
Power input	1500 watt
Power output	1000 watt
Tool fixture	M 14
Cable length	4.0 m
Weight	2.7 kg



Constant Drive Control



Soft Start



Speed Selection



Overload Protection



Spindle-lock



Side handgrip



4 m Mains cable

1500 watt grinder without extraction, 178 mm

- Highly efficient and resilient motor for more power output
- Microprocessor electronics: 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

6

Surface finishing sanding

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



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



Spindle-lock



Hook and loop fasteners

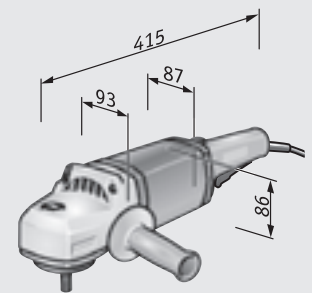


Side handgrip

4 m
Mains cable

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



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

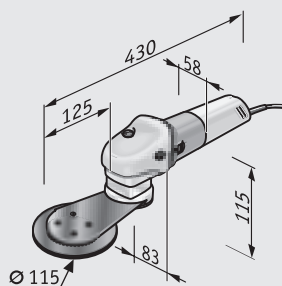
Surface finishing sanding

SFE 8-2 115



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



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

6

Surface finishing sanding

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	296.155

Accessories page 158



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



Dust extraction

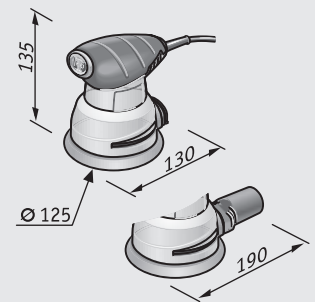


Hook and loop fasteners

4 m
Mains cable

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



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

Surface finishing sanding

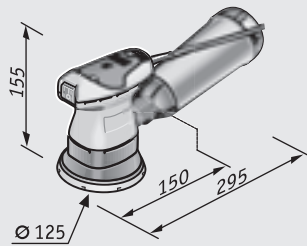
ORE 125-2

ORE 125-2 Set



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.
ORE 125-2	429.872
1 velcro backing pad	436.348
1 PES microfilter cartridge with filter	407.984
ORE 125-2 Set	429.880
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



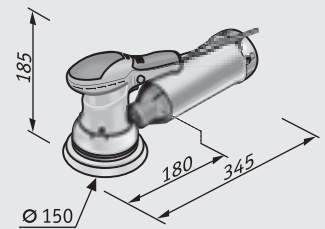
Powerful random-orbit sander with speed control, 150 mm

- 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 \varnothing 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	\varnothing 150 mm
Sanding media fixing	velcro
Dust extraction connection	\varnothing 27 mm
Cable length	4.0 m
Weight	2.1 kg



Standard equipment	Order no.
ORE 150-3	379.441
ORE 150-5	379.468
1 velcro sanding pad hard	408.301
1 PES microfilter cartridge with filter	407.984
1 hexagon socket wrench, SW 5	115.460
ORE 150-3 Set	379.603
ORE 150-5 Set	379.611
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



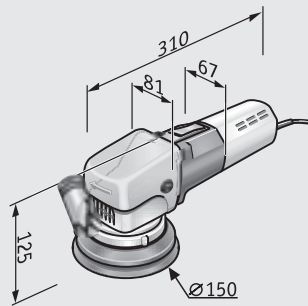
SPECIFICATIONS

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 backing pad for low-dust extraction



Standard equipment	Order no.
X 1107 VE	218.669
1 side handle	194.034
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
Sanding tool starter set: 5 various grit sizes	1 set

Accessories page 158



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



Dust extraction

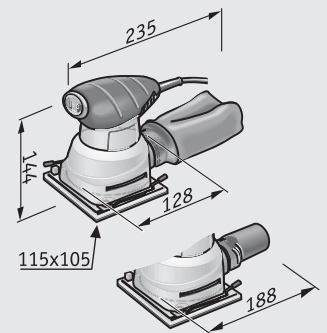


Hook and loop fasteners

4 m
Mains cable

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

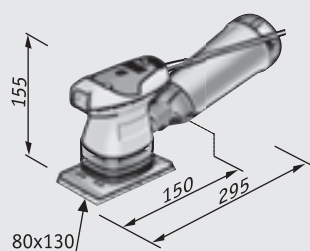
OSE 80-2

OSE 80-2 Set



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	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

Standard equipment	Order no.
OSE 80-2	429.821
1 velcro backing plate, 80x130 8F	436.305
1 PES microfilter cartridge with filter	407.984

OSE 80-2 Set

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



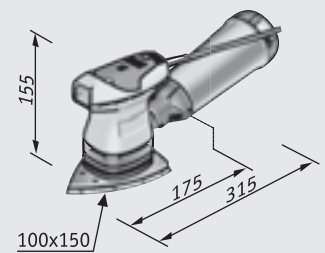
Delta sander with speed control

- 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 \varnothing 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	\varnothing 27 mm
Cable length	4.0 m
Weight	1.2 kg



Standard equipment	Order no.
ODE 100-2	429.856
1 velcro backing plate	436.321
1 PES microfilter cartridge with filter	407.984
ODE 100-2 Set	429.864
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 in mm	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	LG 1704 VR	LK 604	SFE8-2 115	XS 713	ORE 125-2	ORE 150-3/-5	X 1107 VE	MS 713	OSE 80-2	ODE 100-2
Velcro backing pad 	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	hart	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 (FL)	125 Ø		1	436.348	-	-	-	-	-	-	■	-	-	-	-	-	-
Velcro sanding pad soft 	Sanding wheel, especially suitable for shapes and contours. With extraction holes (8+6 holes).	SP-S D150	150 Ø		1	408.298	-	-	-	-	-	-	-	■	-	-	-	-	-
Velcro sanding pad hard 	Sanding wheel, especially suitable for flat surfaces and contours. With extraction holes (8+6 holes).	SP-H D150	150 Ø		1	408.301	-	-	-	-	-	-	-	■	-	-	-	-	-

Type	Description	Designation	Dimensions in mm	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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 backing pad</p>	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 80x133-8F (FL)	80 x 130	1	436.305	-	-	-	-	-	-	-	-	-	-	-	■	-	
 <p>Velcro backing pad Delta</p>	Delta backing plate made of tough special material with extraction holes.	SP 100x150-7 (FL)	100 x 150	1	436.321	-	-	-	-	-	-	-	-	-	-	-	-	■	
 <p>Dust guard with pivoting edge segment</p>	<p>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.</p> <p>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.</p>	SG-R D125 SE	125 Ø	1	393.363	■	■	-	-	-	-	-	-	-	-	-	-	-	
		SG-R D150 SE	150 Ø	1	419.176	■	■	-	-	-	-	-	-	-	-	-	-	-	-
 <p>Brush ring</p>	Brush ring for dust extraction hood - contains two segment parts.	BK-H SE 14-2 125	125 Ø	1	419.176	■	-	-	-	-	-	-	-	-	-	-	-	-	
		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	-	■	-	-	-	-	-	-	-	-	-	-	-	-
 <p>Paint Set</p>	<p>Sanding-Set for processing painted surfaces for random-orbit sander with D150. Consisting of: 1 carrying case L-BOXX® 136, 1 case insert accessory TKE 4xD150, 5 sheets of Velcro sandpaper PURFLEX P 60, P 80, P 100, P 120, P 150, 5 sheets of Velcro sandpaper SELECTFLEX P 60, P 80, P 100, P 120, P 320, 1 sheet of Velcro sandpaper MESHFLEX A 100, A 280.</p> <p>Set for processing painted surfaces for the SUPRAFLEX. Consisting of 1 carrying case L-BOXX® 102, 1 case insert accessories TKE 4xD130/1x135x295, 10 sheets of velcro sandpaper ZIRCOFLEX, grit sizes A 40, A 60, A 80, 10 sheets of velcro sandpaper SELECTFLEX P 120, P 180, 1 sheet of velcro sandpaper MESHFLEX A 100, A 280.</p>	Paint-Set D150		1	408.468	-	■	-	-	-	-	-	-	-	-	-	-		
		P-Box SE 14-2 125		1	393.436	■	-	-	-	-	-	-	-	-	-	-	-	-	-

Surface finishing sanding


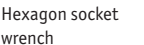







Accessories





Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	LG 1704 VR	LK 604	SFE8-2 115	XS 713	ORE 125-2	ORE 150-3/-5	X 1107 VE	MS 713	OSE 80-2	ODE 100-2
Inox Set 	Set for processing metal surfaces for the SUPRAFLEX. Consisting of: 1 carrying case L-BOXX® 102, 1 case insert accessory TKE 4xD130/ 1x135x295, 3 sheets of velcro sandpaper CORKFLEX, grit sizes P 280, P 400, P 800, 10 sheets of velcro sandpaper CERAFLEX K 80, K 120, K 180, 1 SC fleece disc in coarse, medium, very fine, 1 hard felt pad, 1 soft felt pad, 1 clamping flange CF SE 14-2, 1 clamping nut.	I-Box SE 14-2 125			1	393.428	■	-	-	-	-	-	-	-	-	-	-	-	-
Stone Set 	Stone processing set for the SUPRAFLEX. Consisting of: 1 carrying case L-BOXX® 102, 1 case insert accessory TKE 4xD130/ 1x135x295, 1 diamond grinding pad, grit sizes 50, 100, 400, 800, 3000, 1 hard felt pad, 1 soft felt pad.	S-Box SE 14-2 125			1	393.444	■	-	-	-	-	-	-	-	-	-	-	-	-
Disc brush 	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	■	■	-	-	-	-	-	-	-	-	-	-	-
Nylon brushes 	Abrasive grain-enforced plastic brush, thereby no loosening of the abrasive grain from the substrate. For brushing wooden surfaces, removing paint residues and brushing off annual rings in softwoods. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-NY D110/85 P46	110 Ø x 85	P 46	1	465.135	-	-	■	-	-	-	-	-	-	-	-	-	-
		BW-NY D110/85 P120	110 Ø x 85	P 120	1	465.143	-	-	■	-	-	-	-	-	-	-	-	-	-
Steel stranded wire brush 	For processing, structuring of wooden surfaces and brushing of annual rings in softwoods. Removes paint residues on wood surfaces. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-S D100/85	100 Ø x 85		1	465.178	-	-	■	-	-	-	-	-	-	-	-	-	-

Type	Description	Designation	Dimensions in mm	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	LG 1704 VR	LK 604	SFE8-2 115	XS 713	ORE 125-2	ORE 150-3/-5	X 1107 VE	MS 713	OSE 80-2	ODE 100-2
Stainless steel stranded wire brush 	For processing wood surfaces with tannins such as oakwood and for structuring, brushing annual rings in softwoods. Removes paint residues on wood surfaces. Ideal also for brushing metallic surfaces. With 4-groove roller core, suitable for all devices with 19 mm keyway spindle.	BW-INOX D100/85	100 Ø x 85	1	465.151	-	-	■	-	-	-	-	-	-	-	-	-	-
Clamping flange 	For use with flap sanding discs Ø 125 mm.	CF SE 14-2		1	393.371	■	■	-	-	-	-	-	-	-	-	-	-	-
Clamping nut M 14 	For use with flap sanding discs Ø 125 mm.			1	100.080	■	■	-	-	-	-	-	-	-	-	-	-	-
FixTec quick clamp nut M 14 	For tool-less disc change, suitable for discs from Ø 115-150 mm.			1	313.459	■	■	-	-	-	-	-	-	-	-	-	-	-
Flexible backing pad with clamping nut M 14 	Backing pads for fiber grinding discs.		170 Ø	1	124.079	-	-	-	■	■	-	-	-	-	-	-	-	-
Clamping nut M 14 	For backing pad.	Clamping nut M 14		1	124.109	-	-	-	■	■	-	-	-	-	-	-	-	-

Surface finishing sanding

Accessories

Type	Description	Designation	Dimensions in mm	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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>Face pin spanner</p>	Offset special key, for loosening velcro sanding pad and clamping nut.	Wrench, face spanner 35x5 gek		1	398.365	■	■	-	-	-	-	-	-	-	-	-	-	-
 <p>Hexagon socket wrench</p>		Hexagon socket wrench, SW 6		1	104.167	■	■	-	-	-	-	-	-	-	-	-	-	-
 <p>Hexagon socket wrench</p>	For changing the backing pads.	Hexagon socket wrench, SW 5 long		1	392.731	■	■	-	-	-	-	-	-	-	-	-	-	-
 <p>Hexagon socket wrench</p>	For re-adjusting the clamping screw on the extraction hood.	Hexagon socket wrench, SW 4		1	102.229	■	■	-	-	-	-	-	-	-	-	-	-	-
 <p>Side handgrip</p>	Side handle, thread M 8.	GS-S SE14-2		1	391.581	■	■	-	-	-	-	-	-	-	-	-	-	-
 <p>Antistatic suction hose</p>	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	-	-	-	-	-	-	-	■	■	-	-	■	■
 <p>Antistatic suction hose with auxiliary air control</p>	Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (445.029), antistatic. Includes variable adjustment of suction power for reduction of vacuum.	SH-C 32x4m AS/NL		1	406.708	■	■	■	-	-	-	-	-	-	-	-	-	-
 <p>Adapter</p>	Antistatic sleeve Ø 27 mm, with internal thread, suitable for suction hose 379.395.	SAD 27 AS		1	382.736	-	-	-	-	-	-	-	■	-	-	-	■	■
 <p>PES microfilter cartridge</p>	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	-	-	-	-	-	-	-	■	■	-	-	■	■


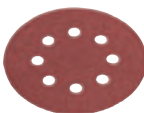
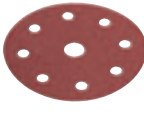
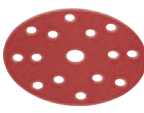

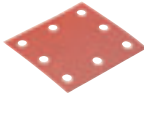
Type	Description	Designation	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	LG 1704 VR	LK 604	SFE 8-2 115	XS 713	ORE 125-2	ORE 150-3/-5	X 1107 VE	MS 713	OSE 80-2	ODE 100-2	
PES microfilter 	PES filter as a replacement for PES filter cartridge 407.984.	PF-PES	1	407.992	-	-	-	-	-	-	-	■	■	-	-	■	■	
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-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, 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	■	■	-	-	-	-	-	-	-	-	-	-	-	
	Matching insert for BBE 14-3 110 for carry case L-BOXX® 238.	TKE BBE	1	451.991	-	-	■	-	-	-	-	-	-	-	-	-	-	
Case insert	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	-	-	-	-	-	-	-	■	-	-	-	■	■	



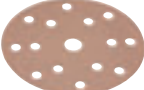


Surface finishing sanding

Abrasives

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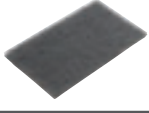

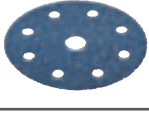




Surface finishing sanding





Type	Dimensions in mm	Designation	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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	
	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-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	-	-	-	-	-	-	-	-	-	-	-	-	-	■

Type	Dimensions in mm	Designation	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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 sanding paper PURFLEX 	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■
Velcro sanding paper SELECTFLEX 	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	■	-	-	-	-	-	-	-	■	-	-	-	-	-	-
D125-8 SE-P400 VE50	P 400	50	380.636	■	-	-	-	-	-	-	-	■	-	-	-	-	-	-		
Velcro sanding paper SELECTFLEX 	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	-	■	-	-	-	-	-	-	-	■	-	-	-	-	-
		D150-15 SE-P400 VE50	P 400	50	408.247	-	■	-	-	-	-	-	-	-	■	-	-	-	-	-
Velcro sanding paper SELECTFLEX 	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	■
Velcro sanding paper SELECTFLEX 	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

Type	Dimensions in mm	Designation	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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 sanding fleece MESHFLEX	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	■	-	-	-	-	-	-	-	■	-	-	-	-	-
 Velcro sanding fleece MESHFLEX	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	-	■	-	-	-	-	-	-	-	■	-	-	-	-
 Velcro sanding fleece MESHFLEX	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	-	-	-	-	-	-	-	-	-	-	-	-	-	■
 Velcro sanding fleece MESHFLEX	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	-	-	-	-	-	-	-	-	-	-	-	-	-	■
 Velcro sanding paper ZIRCOFLEX	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	■	-	-	-	-	-	-	-	■	-	-	-	-	-
 Velcro sanding paper CERAFLEX	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	■	-	-	-	-	-	-	-	■	-	-	-	-	-
 Natural fibre felt pad	125 Ø	FP D125 H VE5	hart	5	393.347	■	-	-	-	-	-	-	■	-	-	-	-	-	
		FP D125 S VE5	soft	5	393.355	■	-	-	-	-	-	-	-	■	-	-	-	-	-
 SC-Fleece velcro backed disc	125 Ø	D125 SC-C VE10	coarse	10	358.614	■	-	-	-	-	-	-	■	-	-	-	-	-	
 SC-Fleece velcro backed disc	125 Ø	D125 SC-M VE10	medium	10	358.622	■	-	-	-	-	-	-	■	-	-	-	-	-	

Type	Dimensions in mm	Designation	Grit	QP	Order no.	SE 14-2 125 Set	SE 14-2 150 Set	BBE 14-3 110	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 	125 Ø	D125 SC-VF VE10	very fine	10	358.630	■	-	-	-	-	-	-	■	-	-	-	-	-	
Diamond sanding pad 	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 	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	-	■	-	-	-	-	-	-	-	-	-	-	-	-
Velcro velours with foam coating 	80 Ø	Velcro velours with protection coating, 80 Ø		1	296.155	-	-	-	-	-	■	-	-	-	-	-	-	-	



MELTOR
CE

FLEX

Renovation machines

Special tools

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.

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Accessories	190





































NEW PRODUCTS



LDE 15-10 125 R
Renovation grinder

→ Page 185



												
	Renovation machines										Special tools	
Power input in watts	1010	1450	1450	1450	1800	1800	2400	1400	1200	1800		
Max. working width mm	125	125	125	125	125	150	180	115	40 - 92	55 - 130		
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												
Carbide metal scouring head pointed												
Carbide metal scouring head flat												
Perforator								☑				
Velcro backing pad								☑				
Corundum sanding discs								☑				

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■ ■ ideally suited
■ well suited

■ suitable
□ Option present

☑ Standard equipment
☒ available as an accessory

 available as a kit

RETECFLEX – Scouring, milling, 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.



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.



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



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

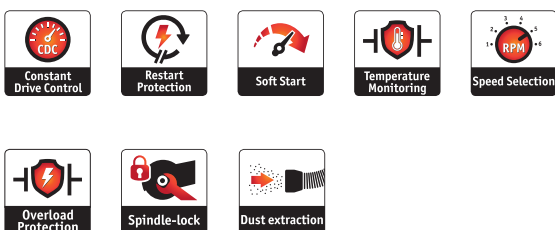


Up to the edge
Swivelling brush segment for quick adjustment for working close to edges.

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

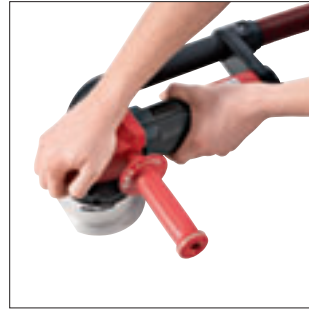
2 Spindle stop
Easy tool change with the integrated spindle stop.

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





Video



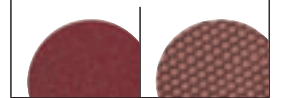
Always held correctly
Optimum handling position for various working situations.





RETECFLEX – Especially versatile.

Dust extraction guard D 115 + Velcro backing pad



Corundum sanding discs Diamond sanding pad

Material	Applications	Corundum sanding discs	Diamond sanding pad
	Grind concrete parts / pre-grind concrete parts (concrete face-lifting)		1-2
	Scouring concrete		
	Remove shuttering protrusions and concrete runs on used concrete / pre-sand weathered old concrete		1-2
	Remove shuttering protrusions and concrete runs on freshly concreted surfaces		
	Scouring fresh (green) concrete		
	Breaking edges at fresh concrete components		
	Remove minor unevenness and protrusions on concrete components		
	Remove any contaminations on concrete		1-2
	Grinding hard cement render with a high sand proportion		
	Pre-grinding hard cement render		
	Grinding soft plaster		
	Pre-grinding synthetic resin plaster		
	Scouring soft plaster		
	Scouring hard plaster		
	Remove synthetic resin plaster (top coat)		
	Remove plaster on wooden beams (framework)		
	Grinding tile glue on soft plaster		
	Remove tile glue on screed		
	Scouring tile glue residues		
	Grinding existing tile layer before laying new tiles		
	Remove latex and oil paints from plaster		
	Remove paint coatings on plaster		
	Sanding old weathered paint coatings	2-4	
	Remove flexible protective coatings from concrete and plaster		
	Thermo-elastic coatings		
	Removing soft PU coatings		
	Grinding screed and coatings on screed floors		
	Remove hardened epoxy resin coatings		
	Remove sintering layer, other coatings on concrete		
	Remove foam and adhesive residues		
	Remove grout and fillers		
	Remove aged filling compounds and fillers		
	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)		
	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

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.



Dust extraction guard
D 115

Turbo-Jet	Concrete-Jet	Screed-Jet	Surface-Jet	TC-Jet	PKD-Jet
4-6	4-6		4-6		
6	6				
4-6		4-6			
4-6					
6		6			
4-6			4-6		
4-6			4-6		

6		6			
	6				
				3-5	
				3-5	

3-6		3-6		3-6	
6		6		3-6	6
4-6				3-6	4-6
6	6				

			4-6		4-6
				3-6	

			4-6		4-6
					2-4
					4-6
		6			
	6				4-6
4-6	4-6		4-6		

					4-6
				3-5	
3-5				3-5	



Adjustable base
D 80

Scouring discs, pointed	Scouring discs, flat	Perforator
4-6		
	4-6	
	4-6	

	4-6	
4-6		
4-6		
4-6	4-6	

4-6		

4-6	4-6	
3-6	3-6	

4-6		
	4-6	

4-6	4-6	
		3-4

1 2 3 4 5 6 recommended speed range

2400 watt class For floor areas up to 100 sqm

LD 24-6 180 – Renovation grinder, scourer

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.

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.

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.

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.

7



1800 watt class for medium-sized to large areas.

LD 18-7 125 R / 150 R – Renovation grinder

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.

1450 watt class for floor, wall and ceiling

LD / LDE 15-10 125 R – Compact renovation grinder

The LD 15-10 125 and LD 15-10 125 R 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.



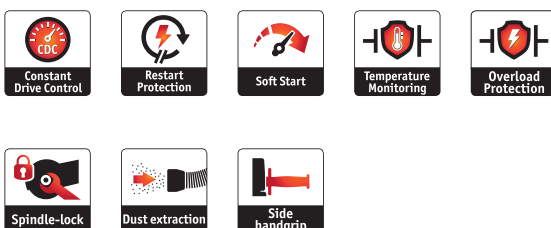
Renovation grinder – For large and small surfaces

The 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.

- 1 **Spindle lock**
The spindle latch is recessed in the gear housing to prevent accidental operation.
- 2 **On/Off switch**
The on/off switch is placed perfectly to be operated well even with gloves.
- 3 **Variable Speed**
6 settings
- 4 **Integrated suction hose holder**
The extraction hose is attached to the machine and ensures trouble-free operation.
- 5 **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.



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





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



Stable, vibration-dampened handle
For best handling and machine guidance.



Extraction hood with a brush ring
The robust brush ring ensures maximum extraction output and protects from dust and ejected stones.



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.

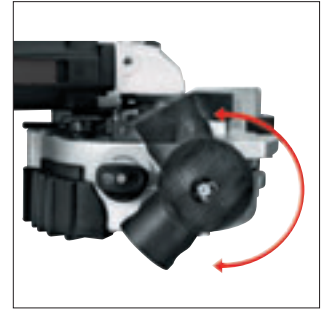
Wall chaser – For fatigue-free work

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!



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.



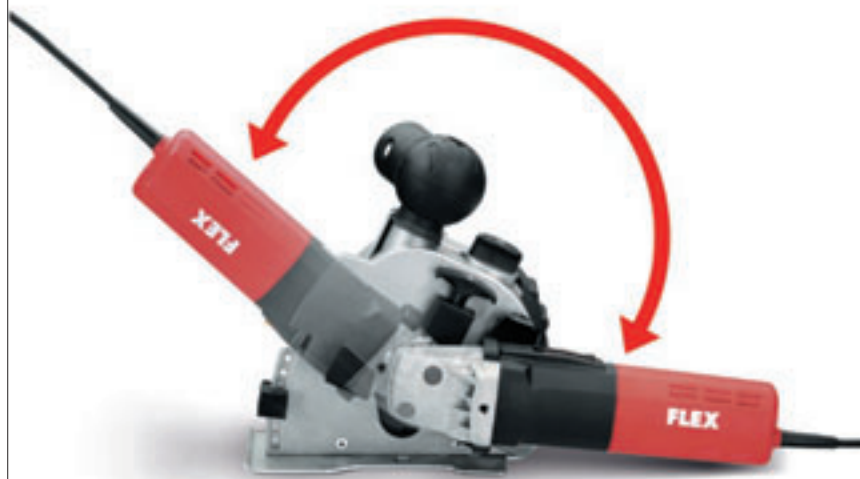
At the turn of a dial

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



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.



Constant Drive Control



Soft Start



Temperature Monitoring



Overload Protection



Tool-Free



Side Handgrip



Video



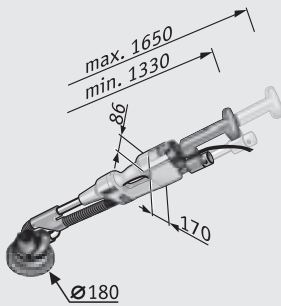
The trick is in the swivel
Patented swivel-mounted motor (EP1693169) allows for push and pull cutting.





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	5.5 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

Standard equipment **Order no.**

WST 1000 FV	
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



WST 1000 FV, Turbo-Jet kit	355.747
WST 1000 FV, Thermo-Whirljet kit	355.755



RETECFLEX - the universal tool for renovation and modernization

- 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



Constant Drive Control



Restart Protection



Soft Start



Overload Protection



Spindle-lock



Temperature Monitoring



Speed Selection



Dust extraction



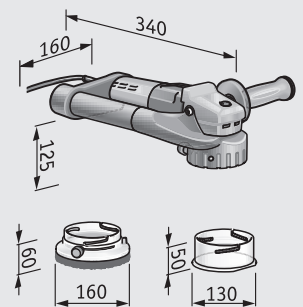
4 m Mains cable



L-BOXX

SPECIFICATIONS

Max. disc diameter	115 mm
Max. milling head Ø	80 mm
Scouring depth	0-6 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



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

Accessories from page 190

Standard equipment

Order no.

RE 14-5 115

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 set
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

Renovation machines

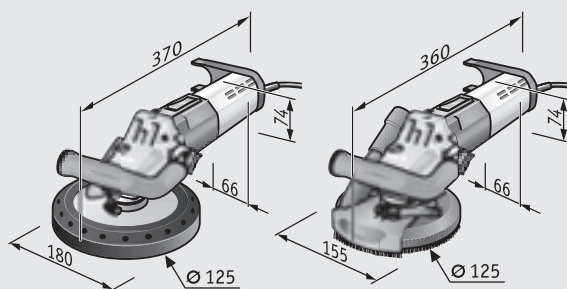
LD 15-10 125

LD 15-10 125 R



SPECIFICATIONS

Disc Ø	125 mm
No load speed	10000 rpm
Power input	1450 watt
Power output	950 watt
Vibration	< 6.4 m/s ²
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



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

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

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

Standard equipment

Order no.

LD 15-10 125

1 extraction hood with rubber extraction ring	421.111
1 bail handle	1 piece
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

LD 15-10 125 R

1 dust extraction hood with brush ring	393.363
1 bail handle	1 piece
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

Kit System

	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 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

Accessories from page 190



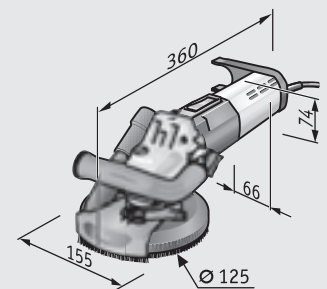
Refurbishment grinder with variable speed for dust-free edge grinding, 125 mm.

- Microprocessor control with soft start, restart protection after power failure, temperature monitoring, overload protection, CDC-electronic feedback control
- Reliable 1450 watt high-performance motor with sufficient power reserves
- Dust extraction: prevents dust nuisance, reduces disc wear, keeps the concrete pores open for the new coating
- Guard with pivoting segment to allow grinding right up to the wall. Height-adjustable to the disc height and for optimum dust extraction
- With steplessly adjustable, vibration-proof, ergonomic bail handle, for optimum handling and machine control
- For fixed hose connection. Adapter with FLEX clip connection for $\varnothing 32$ mm snap connection included in the standard equipment.
- Recessed spindle lock, to avoid unintentional activation
- Variable speed for dust minimization in case of tool protrusion, as well as better control of finer work with less pressure, e.g. on edges, and during the final smoothing of surfaces
- Ideally suited for processing walls, ceilings and floors. Efficient and economic working thanks to optimum coordination between machine and sanding disc



SPECIFICATIONS

Disc \varnothing	125 mm
No load speed	4500-10000 rpm
Power input	1450 watt
Power output	950 watt
Tool fixture	M 14
Cable length	4.0 m
Weight	2.9 kg



Kit
System

	LDE 15-10 125 R, Kit Turbo-Jet II	479.403
	LDE 15-10 125 R, Kit TH-Jet	471.038
	LDE 15-10 125 R, Kit E-Jet	471.046

Accessories from page 190

Standard equipment	Order no.
LDE 15-10 125 R	
1 dust extraction hood with brush ring	393.363
1 bail handle	1 piece
3 cable clips	252.188 (3x)
1 hexagon socket wrench, SW 4	102.229
1 extraction adapter SAD-C D32 AS	445.142
1 pin wrench	392.537
1 carrying case L-BOXX® 238	414.093
1 case insert	414.131

Renovation machines

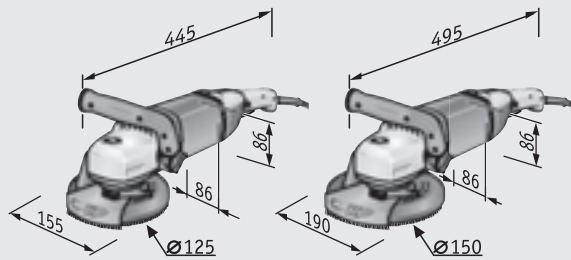
LD 18-7 125 R

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, 125 mm

- Microprocessor electronics: 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-system as standard equipment
- 125 mm diameter, ideal for application on small or medium size floor, wall or ceiling areas

LD 18-7 150 R

- 150 mm diameter, ideal for application on floor areas

Standard equipment

Order no.

LD 18-7 125 R

1 dust extraction hood with brush ring	393.363
1 bail handle	1 piece
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	444.391

LD 18-7 150 R

1 dust extraction hood with brush ring	419.176
1 bail handle	1 piece
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	444.391

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 18-7 150 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

Accessories from page 190



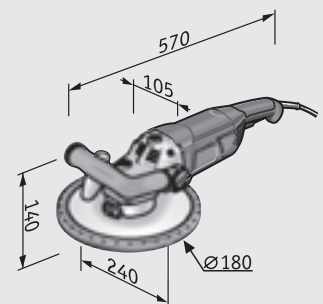
Grinding machine for large areas, 180 mm

- 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

Accessories from page 190

Standard equipment

Order no.

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	1 piece
3 cable clips	302.538 (3x)
1 hexagon socket wrench, SW 6	256.832
1 pin wrench	392.537
1 carrying case	444.391

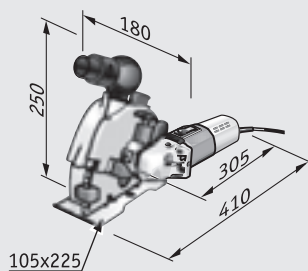
Renovation machines

MS 1706 FR Set



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



Constant Drive Control



Soft Start



Temperature Monitoring



Overload Protection



Tool-Free



Dust extraction



4 m Mains cable



Carrying case

Wall chaser for push and pull cutting

- Microprocessor electronics: 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

Standard equipment

Order no.

MS 1706 FR Set	329.673
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 extraction adapter	408.360
Cable clip	252.188 (3x)
1 carrying case	327.034

Accessories from page 197



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










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

Standard equipment	Order no.
F 1109	251.338
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-B0XX® 238	414.093
1 case insert	434.248

Renovation machines

Accessories



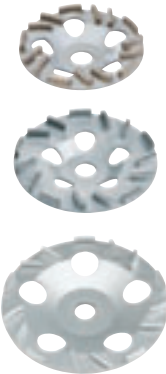
Type	Description	Designation	Dimensions in mm	QP	Order no.	WST 1000 FV
 <p>Turbo-Jet diamond grinding disc</p>	Turbo-Jet grinding disc with optimum removal rate. The large number of diamond segments provides a considerably quieter operating performance and a more attractive sanding pattern. Ideal for surface grinding on mineral substrates.	Turbo-Jet D125 28x23.5	125 Ø x 28 x 23.5	1	349.623	■
 <p>Thermo-Whirljet diamond grinding disc</p>	Thermo-Whirljet for thin coatings and lightly abrasive materials: Thermo-plastic 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	■
 <p>Screed-Whirljet diamond grinding disc</p>	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	■
 <p>Concrete-Whirljet diamond grinding disc</p>	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	■
 <p>Concrete grinder head without disc</p>		VSB D125	125 Ø	1	350.931	■
 <p>Rubber extraction ring</p>	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	■
 <p>Carrying case</p>	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	■





Type	Description	Designation	Dimensions in mm	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	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 Ø 115, Bowl 	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	-	■	-	-	-	-	-	-
Base for scouring work 	Tool-free interchangeable protective guard for optimally guiding the machine and effective dust extraction.		80 Ø	1	369.314	-	■	-	-	-	-	-	-
Dust extraction guard 	With swivel segment and brush ring for grinding work.		115 Ø	1	366.528	-	■	-	-	-	-	-	-
Dust guard with pivoting edge segment 	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. 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 SG-R D150 SE	125 Ø 150 Ø	1 1	393.363 419.176	- -	- -	■ ■	■ ■	■ ■	■ ■	- -	- -
Brush ring 	Brush ring for dust extraction hood - contains two segment parts.	BK-H RE14-5-115 BK-H SE 14-2 125 BK-H SE 14-2 125 VE3 BK-H SE 14-2 150 BK-H SE 14-2 150 VE3	115 Ø 125 Ø 125 Ø 150 Ø 150 Ø	1 1 3 1 3	369.454 394.076 421.138 419.184 421.146	- - - - -	■ - - - -	- ■ ■ - -	- - ■ - -	- - ■ - -	- - - - ■	- - - - -	- - - - -
Guard with rubber extraction ring 	The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.	SG D125 LD SG D180 LD	125 Ø 180 Ø	1 1	421.111 421.154	- -	- -	- -	■ -	- -	- -	- -	- ■
Rubber extraction ring 	The flexible rubber vacuum ring moves smoothly over the surface and provides optimum protection against dust and flying stones.	AR-G D125 LD AR-G D180 LD	125 Ø 180 Ø	1 1	257.246 258.626	- -	- -	- -	■ -	- -	- -	- -	- ■


Renovation machines

Accessories

Type	Description	Designation	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	LD 15-10 125	LD 15-10 125 R	LD 18-7 125 R	LD 18-7 150 R	LD 24-6 180
 <p>Clip adapter</p>	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	-	■	-	-	-	-	-	-
 <p>Fast clip adapter</p>	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	■	■	-	-	-	-	-	-
 <p>Antistatic suction hose with auxiliary air control</p>	Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (445.029), antistatic. Includes variable adjustment of suction power for reduction of vacuum.	SH-C 32x4m AS/NL	1	406.708	■	-	-	-	-	-	-	-
 <p>SoftVib side handle</p>	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	-	■	-	-	-	-	-	-
 <p>Face pin spanner</p>	Special spanner for removing the scouring and grinding heads.		1	366.536	-	■	-	-	-	-	-	-
 <p>Carrying case L-BOXX®</p>	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, with additional front handle.	TK-L 102	1	414.077	-	-	-	-	-	-	-	-
		TK-L 136	1	414.085	-	-	-	-	-	-	-	-
		TK-L 238	1	414.093	-	■	-	■	■	-	-	-







Type	Description	Designation	Dimensions in mm	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	LD 15-10 125	LD 15-10 125 R	LD 18-7 125 R	LD 18-7 150 R	LD 24-6 180
Carrying case 	Impact-resistant plastic box with insert for large angle grinders (up to Ø 230), and renovation grinders LD 18-7 125 R / 150 R, LD 24-6 180. Includes holder for handle, disk up to Ø 230 mm and transparent lidded compartment DIN A5.	TK-S L230/LD180/LD150		1	444.391	-	-	-	-	-	■	■	■
Fixing pads	To fix the LD 18-7 125 R or LD 18-7 150 R in the carrying case 444.391.	EVA Pads TK-S LD 18-7 125/150		1	468.118	-	-	-	-	-	■	■	-
Case insert	Matching insert for RE 14-5 115 for carry case L-BOXX® 238. Suitable accessories insert for carrying case L-BOXX® 102. Suitable insert for carrying case L-BOXX® 238. For the LD 15-10 125 / R. Suitable insert for carrying case L-BOXX® 136 for accessories/sanding tool Ø 150 mm.	TKE RE 14-5		1	414.182	-	■	-	-	-	-	-	-
		TKE 4x D130/1x 135x295		1	414.166	-	-	-	-	-	-	-	-
		TKE LD 15-10 125		1	414.131	-	-	-	■	■	-	-	-
		TKE 4x D150		1	407.704	-	-	-	-	-	-	-	-
Concrete-Jet diamond grinding disc 	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	-	■	-	-	-	-	-	
Thermo-Jet diamond grinding disc 	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	-	-	-	-	-	-	-	■






Type	Description	Designation	Dimensions in mm	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	LD 15-10 125	LD 15-10 125 R	LD 18-7 125 R	LD 18-7 150 R	LD 24-6 180	
<p>Screed-Jet diamond grinding disc</p> 	<p>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.</p>	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	-	-	-	-	-	-	-	■	-
<p>Surface-Jet diamond grinding disc</p> 	<p>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.</p>	S-Jet D115 C M14	115 Ø	1	418.811	-	■	-	-	-	-	-		
		S-Jet D125 22.2	125 Ø	1	359.424	-	-	■	■	■	■	-	-	
<p>PCD grinding disc</p> 	<p>PCD grinding disc, the new dimension for removal of thermal coatings from mineral substrates, masonry, oil-based paints and latex paints.</p>	PKD-Jet D125 22.2	125 Ø	1	359.416	-	-	■	■	■	■	-		
<p>PCD grinding disc</p> 	<p>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.</p>	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	-	-	-	-	-	-	-	■	

Type	Description	Designation	Dimensions in mm	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	LD 15-10 125	LD 15-10 125 R	LD 18-7 125 R	LD 18-7 150 R	LD 24-6 180	
Turbo-Jet diamond grinding disc 	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 II D125 22.2	125 Ø	1	453.773	-	-	■	■	■	■	-	-	-
		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	-	-	-	-	-	-	-	-	■
TC-Jet carbide grinding disc	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	Universal grinding disc for grinding mineral surfaces.	Basic-Cut D125 22.2	125 Ø	1	420.417	-	■	■	■	■	■	-	-	
Scouring head complete, pointed	Complete with 12 pointed hard metall 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	12 pointed carbide scouring discs with fixing bolts and guide discs .			1	366.501	-	■	-	-	-	-	-	-	

Renovation machines

Accessories

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	WST 1000 FV	RE14-5 115	LDE 15-10 125 R	LD 15-10 125	LD 15-10 125 R	LD 18-7 125 R	LD 18-7 150 R	LD 24-6 180
 <p>Scouring head complete, flat</p>	Fitted with 12 flat hard metall 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	-	■	-	-	-	-	-	-
 <p>TC scouring discs, flat</p>	12 flat carbide scouring discs with fixing bolts and guide discs.				1	366.617	-	■	-	-	-	-	-	-
 <p>"Perforator" tool head with HSS cutting wheels</p>	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	-	■	-	-	-	-	-	-
 <p>HSS cutting wheels</p>	4 replacement cutting wheels for the „perforator“ tool head – for perforating coverings.		38 Ø		4	366.765	-	■	-	-	-	-	-	-
 <p>Velcro sanding paper PURFLEX</p>	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	-	■	-	-	-	-	-	-
 <p>Diamond sanding pad</p>	For use with velcro sanding disc 115 Ø. Sanding pads for dry grinding, 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	-	■	-	-	-	-	-	-
		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	-	■	-	-	-	-	-	-

Type	Description	Designation	Dimensions in mm	QP	Order no.	MS 1706 FR Set	F 1109
Clip adapter 	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 	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 	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 			21 x 21	4	229.555	-	■
HSS reversible blades 			21 x 21	4	241.091	-	■
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-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 carry case L-BOXX® 238.	TKE F1109		1	434.248	-	■



Rotary hammer drills

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 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.

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Accessories	209

NEW PRODUCTS



CHE 2-28 R SDS-plus
Light universal hammer drill

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CHE 4-32 R SDS-plus
Universal rotary hammer drill

→ Page 206



CHE 5-40 SDS-max
Universal rotary hammer drill

→ Page 207



Overview of power tools

							
	FHE 2-22 SDS-plus Rotary hammer drill	CHE 2-28 SDS-plus Light universal hammer drill	CHE 2-28 R SDS-plus Light universal hammer drill	CHE 4-32 R SDS-plus Universal rotary hammer drill	CHE 5-40 SDS-max Universal rotary hammer drill	DH 5 SDS-max Demolition hammer	CHE 18.0-EC Cordless rotary hammer drill
Power input	710 watt	800 watt	800 watt	900 watt	1050 watt	1050 watt	
Tool fixture	SDS-plus	SDS-plus	SDS-plus	SDS-plus	SDS-max	SDS-max	SDS-plus
Tool fixture	–	–	Interchangeable chuck	Interchangeable chuck	–	–	–
Single impact energy (EPTA)	2.1 J	2.7 J	2.7 J	4.8 J	10 J	6.7 J	1.7 J
Max. drill hole Ø in concrete	22 mm	26 mm	28 mm	32 mm	40 mm	–	18 mm
Max. drill hole Ø masonry	13 mm	13 mm	13 mm	82 mm	90 mm	–	–
Max. drill hole Ø in wood	26 mm	30 mm	30 mm	32 mm	32 mm	–	20 mm
Max. drill hole Ø in steel	13 mm	13 mm	13 mm	13 mm	13 mm	–	13 mm
Weight	2.3 kg	2.65 kg	2.65 kg	4.6 kg	6.4 kg	5.4 kg	2.0 kg
Drilling depth stop enclosed	yes	yes	yes	yes	no	no	yes
Handle included	yes	yes	yes	yes	yes	yes	yes
Carrying case	L-BOXX®	L-BOXX®	L-BOXX®	L-BOXX®	Plastic carrying case	Plastic carrying case	L-BOXX®
	Page 204	Page 205	Page 205	Page 206	Page 207	Page 208	Page 102

Cordless accessories see page 110

Universal rotary hammer drill with keyless chuck

The new generation of universal rotary hammer drills for drilling, hammer drilling and chiselling has the tool-free quick-change chuck system which provides even more flexibility on the construction site. Whether for refurbishment and renovation, for working on stone or masonry, or for installation work in metal and steel construction – FLEX universal rotary hammer drills accept the challenge. They are particularly suitable for light to moderate demolition work, for tilers, plasterers, plumbers/gas fitters/electricians or for drywall construction, for example.

- 1 **Fiber glass reinforced gear-box cover**
Protects the user from the hot aluminium gear housing when in operation for longer periods of time.
- 2 **Tool-free chuck exchange**
to accept SDS-plus and round-shank keyless chuck from 1.5 to 13 mm.
- 3 **Auxiliary handle with metal clamping ring**
for simple and fast adjustment of the grip position. With tool-free adjustable depth stop to set the drilling depth
- 4 **Function switch**
- Hammer drilling
- drilling
- chiselling
- 5 **Carbon brush reverser**
clockwise and anticlockwise rotation
- 6 **Accelerator trigger switch**
so you start drilling at the correct spot
- 7 **Softgrip**
for optimum handling and greater working comfort
- 8 **Pistol shaped**
for optimum handling
- 9 **Compact design**
for a balanced power/weight ratio
- 10 **Optimised circulation of cooling air**
prevents the winding from overheating
- 11 **Dust-proof motor**
for a long service life
- 12 **Patented ratchet coupling**
for greater operating safety
- 13 **Protected function switch**
prevents damage and allows the drilling, hammering and chiselling function to be set





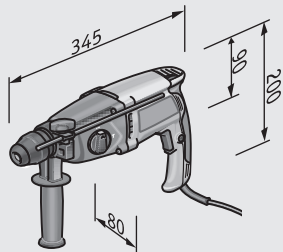
Rotary hammer drills

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



Tool-Free



Side handgrip



Mains cable



L-BOXX

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

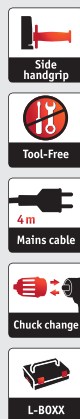


Universal rotary hammer drill, 2.5 kg, SDS-plus

- 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 28 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

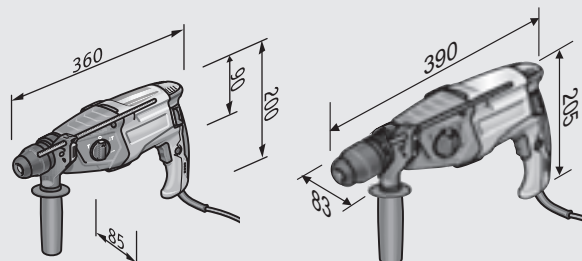
CHE 2-28 R SDS-plus

- Drilling chuck can be removed without tools
- Quick tool change: universal application, with SDS Plus drill chuck or 13 mm quick-release chuck



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	28 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
Chuck Ø	1.5 - 13 mm
Size CHE 2-28 R SDS-plus (W x L x H)	390 x 83 x 205 mm
Size CHE 2-28 SDS-plus (W x L x H)	360 x 85 x 200 mm
Cable length	4.0 m
Weight CHE 2-28 SDS-plus	2.65 kg
Weight CHE 2-28 R SDS-plus	2.8 kg



Standard equipment	Order no.
CHE 2-28 SDS-plus	413.666
1 handle	417.661
1 drill depth stop	417.769
1 carrying case L-BOXX® 136	414.085
1 case insert	414.042
CHE 2-28 R SDS-plus	461.490
1 chuck BF CHE2	468.843
1 chuck BF SDS-plus CHE2	468.835
1 handle	417.661
1 drill depth stop	417.769
1 carrying case L-BOXX® 136	414.085
1 case insert	469.033

Rotary hammer drills

CHE 4-32 R 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
Chuck Ø	1.5 - 13 mm
Cable length	4.0 m
Weight	4.6 kg



Chuck change



Tool-Free



Side handgrip



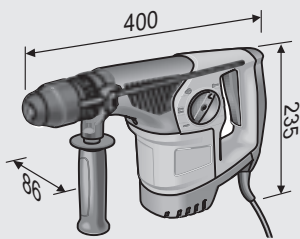
4 m
Mains cable



L-BOXX

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
- Quick tool change: universal application, with SDS Plus drill chuck or 13 mm quick-release chuck
- 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.

CHE 4-32 R SDS-plus	468.029
1 chuck BF CHE4	468.878
1 chuck BF SDS-plus CHE4	468.851
1 handle	436.232
1 drill depth stop	417.769
1 carrying case L-BOXX® 238	414.093
1 case insert	469.041

Accessories from page 209



NEW

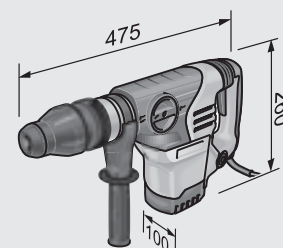
Universal rotary hammer drill, 5 kg, SDS-max

- 1050 watt hammer drill and chisel hammer in D-build with high impact energy and low vibrations
- Function switch with three functions: hammer drilling, chiselling, chisel adjustment
- Variable speed, continuous adjustment from 1-6 with "Power Control" LED indicator
- Safety slip clutch: offers protection if the core drill is jammed
- Rotation stop for chiselling
- Decoupled, ergonomic handle with rubberised grip surface. Vibrations are reduced by a sprung damper and additional vibration damping between the housing and handle
- Ideal for hammer-drilling, diameter 40 mm in masonry and concrete for composite or injection anchoring systems and through-holes
- For chiselling work when removing plaster and tiles



SPECIFICATIONS

No load speed	0-380 rpm
Blows per minute	1300-2900 bpm
Single impact energy (EPTA)	10 J
Chisel positions	12
Max. drill hole Ø in concrete	40 mm
Max. drill hole Ø in masonry (drill bit)	90 mm
Max. drill hole Ø in steel	13 mm
Max. drill hole Ø in wood	32 mm
Power input	1050 watt
Tool fixture	SDS-max
Cable length	4.0 m
Weight	6.4 kg



Standard equipment	Order no.
CHE 5-40 SDS-max	439.665
1 handle	1 piece
1 tube of grease	370.894
1 carrying case	1 piece

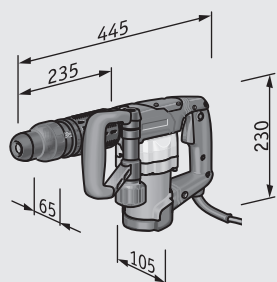
Rotary hammer drills

DH 5 SDS-max



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	5.4 kg



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





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

Type	Description	Designation	Diameter in mm	Length in mm	QP	Order no.	FHE 2-22 SDS-plus	CHE 2-28 SDS-plus	CHE 2-28 R SDS-plus	CHE 4-32 R SDS-plus	CHE 5-40 SDS-max	DH 5 SDS-max
SDS 2-plus drill 	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	12	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 	Extremely hard, ideal for demolition work.	flat	20 x 250		1	368.490	-	■	■	■	-	-
SDS-plus sharp chisel 	Extremely hard, ideal for demolition work.	pointed	250		1	368.504	-	■	■	■	-	-
SDS-plus 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	40 x 250		1	368.512	-	■	■	■	-	-
SDS-plus 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	40 x 250		1	368.628	-	■	■	■	-	-

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 2-28 R SDS-plus	CHE 4-32 R SDS-plus	CHE 5-40 SDS-max	DH 5 SDS-max
 <p>Chisel/drill set SDS-plus</p>	<p>Set consisting of: SDS 2-plus drills 1x 5 Ø x 110 mm, 1x 6 Ø x 110 mm, 1x 6 Ø 160 mm, 1x 8 Ø x 160 mm, 1x 10 Ø x 160 mm, 1x sharp chisel SDS-plus 250 mm, 1x flat chisel SDS-plus 250 mm.</p>				1	368.571	-	■	■	■	-	-
 <p>Hammer drill bit set SDS-plus</p>	<p>Set consisting of 1 x D 5x110, 1 x D 6x110, 1 x D 6x160, 1 x D 8x160, 1 x D 10x160.</p>	HD 2-C D5-10 Set SDS-plus			1	414.026	■	■	■	■	-	-
 <p>Hammer drill bit set SDS-plus</p>	<p>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.</p>	HD 4-C D8x310 SDS-plus VE5	8	250	5	414.034	■	■	■	■	-	-
 <p>SDS-plus adapter</p>	<p>Adapter for 1/2" drill chuck (Order No. 272.639).</p>				1	368.652	■	■	■	■	-	-

Type	Description	Designation	Diameter in mm	Length in mm	QP	Order no.	FHE 2-22 SDS-plus	CHE 2-28 SDS-plus	CHE 2-28 R SDS-plus	CHE 4-32 R SDS-plus	CHE 5-40 SDS-max	DH 5 SDS-max
SDS 2-max drill 	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 	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 	Extremely hard, ideal for demolition work.	flat	25 x 400		1	368.539	-	-	-	-	■	■
SDS-max sharp chisel 	Extremely hard, ideal for demolition work.	pointed	400		1	368.547	-	-	-	-	■	■

Rotary hammer drills

Accessories

Type	Description	Designation	Diameter in mm	QP	Order no.	FHE 2-22 SDS-plus	CHE 2-28 SDS-plus	CHE 2-28 R SDS-plus	CHE 4-32 R SDS-plus	CHE 5-40 SDS-max	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 400	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	-	-	-	-	■	■
Chuck 	With rotation stop, for clamping shank tools Ø 1.5-13 mm, suitable for CHE 2-28 R SDS-plus.	BF CHE 2		1	468.843	-	-	■	-	-	-
Chuck 	For SDS-plus holder, suitable for CHE 2-28 R SDS-plus.	BF SDS-plus CHE 2		1	468.835	-	-	■	-	-	-
Chuck 	With rotation stop, for clamping shank tools Ø 1.5-13 mm, fits CHE 4-32 R SDS-plus.	BF CHE 4		1	468.878	-	-	-	■	-	-
Chuck 	For SDS-plus holder, suitable for CHE 2-28 R SDS-plus.	BF SDS-plus CHE 4		1	468.851	-	-	-	■	-	-
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	■	■	■	■	-	-

Type	Description	Designation	QP	Order no.	FHE 2-22 SDS-plus	CHE 2-28 SDS-plus	CHE 2-28 R SDS-plus	CHE 4-32 R SDS-plus	CHE 5-40 SDS-max	DH 5 SDS-max
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-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, 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 carry case L-BOXX® 136.	TKE CHE2-28/FHE2-22	1	414.042	■	-	-	-	-	-
Case insert	Matching insert for CHE 2-28 R SDS-plus for carry case L-BOXX® 136.	TKE CHE2-28 R	1	469.033	-	■	■	-	-	-
Case insert	Matching insert for CHE 4-32 R SDS plus for carry case L-BOXX® 238.	TKE CHE4-32 R	1	469.041	-	-	-	■	-	-



Safety vacuum cleaners

Comfort, control and so many good ideas down to the smallest detail – as only FLEX can: Delivering maximum performance against dust, dirt and harmful substances, the new VCE generation impresses with its superior technology, significantly quieter operation and a robust, compact design for greater stability and ease of handling. Reliable operation, uncomplicated to handle.

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Dust classes

A lot of work undertaken by construction workers and the specialist trades generates dust, and this dust is more than simply annoying: when not dealt with properly, dust can create health hazards which could be avoided if the correct

technology were used. Safety vacuum cleaners are therefore available for different dust classes. They provide simple orientation to comply with occupational safety stipulations and some of them are supported by the German BG Bau trade association.

Comparison between the classifications of dust-removing machines.






Suitable for dry, harmful, non-flammable dust	Until 1998 (transition period until 2003) according to ZH 1/487		Suitable for dry, harmful, non-flammable dust	Applicable dust classes according to DIN EN 60335-2-69 Appendix A4		Main applications
	Use category	Max. transmittance		Since 01.01.2005	Dust class	
Before 01.01.2005						
with TVA values > 1 mg/m ³	At least U	≤ 5 %	with OEL value > 1 mg/m ³	At least L 	< 1 %	Aluminium oxide, cement, street dust, corundum, fibre dust, lime
with TVA values > 0.1 mg/m ³	At least S	≤ 1 %	with OEL value ≥ 0.1 mg/m ³	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 < 0.1 mg/m ³	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 %	<ul style="list-style-type: none"> - Mildew, bacteria, spores - germs - formaldehyde and its compounds

Note: The OEL value (Occupational Exposure Limit) replaced the TVA/MAK value (workplace exposure limit) in the past.

Source: Staubklassen für Industriesauger, Entstauber, etc. (July 2011, www.dguv.de)



Overview of power tools

								
	Compact class		Construction/workshop class					
Dust class	L	L	L	L	L	M	M	H
Power input in watts	1250	1250	1400	1400	1400	1400	1400	1400
Max. volume flow l/min	3600	3600	4500	4500	4500	4500	4500	4500
Max. vacuum Pascal	21000	21000	25000	25000	25000	25000	25000	25000
Container capacity in litres	20	25	30	30	42	30	42	42
Liquid capacity in litres	11	16	17	17	26	17	26	26
Weight in kg	7.4	8.4	14.5	15.2	16.7	15.2	16.7	17.6
Complete antistatic equipment	■	■	■	■	■	■	■	■
Filter cleaning	manually	manually	manually	automatically	automatically	automatically	automatically	automatically
Suction control	■	■	■	■	■	■	■	■
Automatic switch-on/off with 15 sec. run-on	■	■	■	■	■	■	■	■
Connection for power tools	100-2000	100-2600	100 - 2400	100 - 2400	100 - 2400	100 - 2400	100 - 2400	100 - 2400
Suction hose 32 mm Ø	3.5 m	3.5 m	4 m	4 m antistatic	4 m antistatic	4 m antistatic	4 m antistatic	4 m antistatic

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■ included

■ not included

VCE safety vacuum cleaners – Technologically superior

Very simple handling, optimum product geometry and good responses to any challenge which may occur in operation make the new VCE generation of vacuum cleaners so unique.

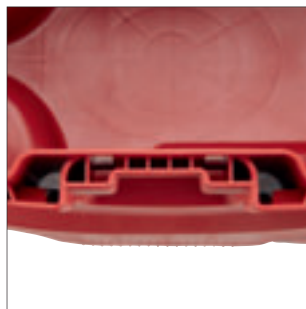
- 1 **Digital electronics for optimum power management**
 - Automatic filter cleaning
 - Light-emitting diodes provide a visible warning signal if it falls below the statutory flow rate ($\leq 20\text{m/s.}$). Only M and H vacuum cleaners.
- 2 **Push & Clean** for manual cleaning
- 3 **Fastening eyelets** for system accessories, lashing straps or the Giraffe holder, for example
- 4 **Accessories**
Inox suction pipe, elbow, nozzles and brush
- 5 **Power socket for tools** to connect tools even without vacuuming
- 6 **Hose and cable storage for transport**
- 7 **L-BOXX®es and Systainers can be mounted on the motor housing**
- 8 **Antistatic equipment** for maximum safety



Rugged, durable flat-folded filter with PTFE nano-coating
Retention rate of at least 99.9%, washable. Easy access via the service cover.



Separate air cooling duct for motor with PES coarse dirt filter for optimum cooling and a long service life



Double-walled container for less operating and cleaning noise and greater stability



Practical cable holder with expander on the rear of the tool





Video

VCE 44 M AC

- 9 **Water-level control**
with automatic switch off
- 10 **Integrated grip recess**
makes the container easy to empty
- 11 **Sealing cap**
Standard feature on M and H class vacuum cleaners
- 12 **Metal rollers**
with brake function
- 13 **Low centre of gravity**
to reduce tendency to tip over



VCE 33 L MC



Durable, non-woven class M filter bag (fits all tools)

Compact and practical with
L-BOXX®



FLEX cleaning system

Antistatic suction hose with auxiliary air control
SH-C 32x4m AS/NL
Order no. 406.708



Suction hose with auxiliary air control
SH-C 32x4m
Order no. 445.037



Suction hose
SH 32x4m WS 702
Order no. 341.355



Antistatic suction hose with auxiliary air control
SH-CF 32x4m AS/NL
Order no. 477.605



Suction hose
SH-C 32x4m
Order no. 299.782



Suction hose
SH 32x4m
Order no. 338.508



Cleaning set
CLE 32 AS
Order no. 445.053



Extension tube
V 36x350 INOX VE3
Order no. 445.207



Elbow
K-C 32 KU AS
Order no. 445.010



Round brush
RN 36x120
Order no. 385.646



Upholstery nozzle
PN 36x115
Order no. 385.549



Crevice nozzle
CH 36x300
Order no. 385.530



Surface nozzle
FD D36 90x120
Order no. 413.437



Brush nozzle
BN 36x220
Order no. 385.557



Combination floor nozzle
KN 36x260
Order no. 385.565



Floor nozzle with rollers
FN-AL 36x370
Order no. 369.896



Floor nozzle
FN D36x300
Order no. 445.509



Clip floor nozzle with rollers
CNW 36x400
Order no. 385.573

Exhaust air set



Designation	VCE EH 50x4m
QP	1
Order number	477.621

Cleaning set



Designation	CLE 50
QP	1
Order number	477.613

With FLEX clip-system

Adapter
SAD 27 AS
Order no. 382.736

Antistatic suction hose
SH 27x4m AS
Order no. 379.395

Suction hose extension
SHV-C 32x0,5m
Order no. 296.953

Threaded ring clip with auxiliary air control
SAM-C 32 AS/NL
Order no. 406.716

Clip adapter with auxiliary air control
SAD-C D36/27 AS/NL
Order no. 408.360

Adapter
SAD-C D25-32 AS
Order no. 445.029

Adapter
SAD-C 27 AS
Order no. 461.628

Adapter
SAD-C 36 AS
Order no. 461.636

Adapter
SAD-C 32 AS
Order no. 445.142

Special adapter
SAD-C WS/WSE
Order no. 364.460

Antistatic suction hose with auxiliary air control
SH-C 32x4m AS/NL
Order no. 406.708

Suction hose with auxiliary air control
SH-C 32x4m
Order no. 445.037

Suction hose
SH 32x4m WS 702
Order no. 341.355

Antistatic suction hose with auxiliary air control
SH-CF 32x4m AS/NL
Order no. 477.605

Suction hose
SH-C 32x4m
Order no. 299.782

Suction hose
SH 32x4m
Order no. 338.508

Without FLEX clip-system

Adapter
SAD D27-32
Order no. 385.506

Suction hose
SH 32x3,5m
Order no. 385.484

Rotating vacuum adapter
SAD-32 VC/VCE AS
Order no. 340.484

Adapter
SAD D25-32 AS
Order no. 259.827

Special adapter
SAD D32 WS/WSK
Order no. 340.790

Special adapter
SAD D32-32 R
Order no. 328.308

Special adapter
SAD D32-28
Order no. 251.847

Coupling bush
SAD 32/32
Order no. 296.996

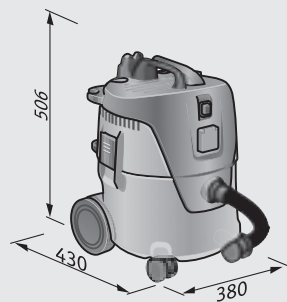
Coupling bush
SAD D32-36
Order no. 257.169

Hose D32



SPECIFICATIONS

Power input P. max.	1250 watt
Max. volume flow	3600 l/min
Max. vacuum	21000 Pa
Filter surface	3000 cm ²
Container volume	20 l
Liquid capacity	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
- 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/m³

Standard equipment **Order no.**

VC 21 L MC	405.418
Suction hose 32 mm Ø x 3.5 m with elbow	385.484
1 filter element class L/M	385.085
3x 35 cm INOX suction pipe	445.207
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



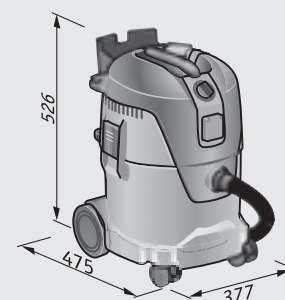
Safety vacuum cleaner with manual filter cleaning system, 25 L, class L

- 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
- 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 $>1 \text{ mg/m}^3$
- This tool is also available in 110 V



SPECIFICATIONS

Power input P. max.	1250 watt
Max. volume flow	3600 l/min
Max. vacuum	21000 Pa
Filter surface	3000 cm ²
Container volume	25 l
Liquid capacity	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

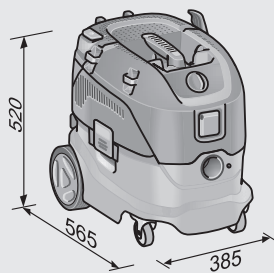


Standard equipment	Order no.
VCE 26 L MC	405.426
Suction hose 32 mm Ø x 3.5 m with elbow	385.484
1 filter element class L/M	385.085
3x 35 cm INOX suction pipe	445.207
1 combination floor nozzle, switchable	385.565
1 round brush	385.646
1 crevice nozzle	385.530
1 upholstery nozzle	385.549
1 filter bag	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



SPECIFICATIONS

Power input P. max.	1400 watt
Max. volume flow	4500 l/min
Max. vacuum	25000 Pa
Filter surface	5000 cm ²
Container volume	30 l
Liquid capacity	17 l
Power take off	100-2400 watt
Size (W x L x H)	565 x 385 x 520 mm
Cable length	7.5 m
Weight	14.5 kg



Safety vacuum cleaner with manual filter cleaning system, 30 l, class L

- The high-performance turbine ensures both a high suction capacity and a high vacuum. The outcome is an excellent extraction result
- Filter vibration at the press of a button
- The flat-fold filter with Teflon coating / nanocoating allows optimum use of the tank volume
- With permanent socket and electronic automatic on/off switch
- The flow rate control via the rotary switch minimises possible vacuums on the surface during intermediate and finish sanding
- Suitable for wet vacuuming: with electronic liquid level control
- 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
- Double-walled sturdy container with integrated grip recess for emptying the container easily
- Equipped with large wheels and two swivel guide rollers made of metal
- Separate motor air cooling duct with coarse dirt filter. Protects the turbine against the ingress of ambient air and thereby extends the service life. (Fine dust filter PES available as an accessory)
- Simple filter change without removing the suction head
- With expander for securing machine and tool boxes on top of the vacuum cleaner
- With hose retainer and expander for easy, quick securing of the power cable
- With 4 clamping loops (2 on each side) for attaching straps and a giraffe holder
- 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/m³

Standard equipment	Order no.
VCE 33 L MC	444.103
1 suction hose 32 mm Ø x 4 m	445.037
1 flat-fold filter PES L/M/H	445.118
1 fleece filter bag class L/M	1 piece of 445.088
1 PP waste disposal bag	1 piece of 445.061
3x 35 cm INOX suction pipe	445.207
1 elbow	445.010
1 floor nozzle	445.509
1 crevice nozzle	385.530
1 upholstery nozzle	385.549
1 round brush	385.646
1 adapter Ø 25-32 mm, anti-static	445.029
1 expander	1 piece
Hose clip	1 piece

- VCE 33 L AC
- VCE 33 L AC Set
- VCE 33 M AC
- VCE 33 M AC Set



Safety vacuum cleaner with automatic filter cleaning system, 30 l, class L and class M

- Adapter plate for fixing L-BOXEs and Tanos systainers on the head of the vacuum cleaner
- 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 with Teflon coating / nanocoating allows optimum use of the tank volume
- With permanent socket and electronic automatic on/off switch
- The flow rate control via the rotary switch minimises possible vacuums on the surface during intermediate and finish sanding
- Suitable for wet vacuuming: with electronic liquid level control
- 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
- Double-walled sturdy container with integrated grip recess for emptying the container easily
- Dust-protected antistatic finish prevents electric charging of the suction hose
- Equipped with large wheels and two swivel guide rollers made of metal
- Separate motor air cooling duct with coarse dirt filter. Protects the turbine against the ingress of ambient air and thereby extends the service life. (Fine dust filter PES available as an accessory)
- Simple filter change without removing the suction head
- With hose retainer and expander for easy, quick securing of the power cable
- With 4 clamping loops (2 on each side) for attaching straps and a giraffe holder
- 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 mg/m³

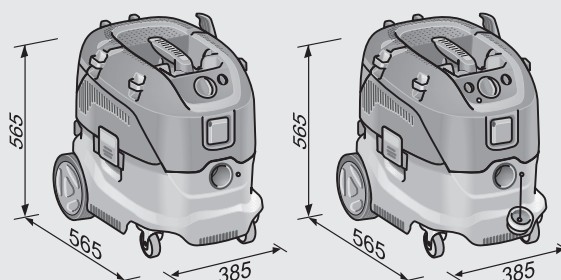
For VCE 33 M AC

- Flow sensor technology monitors the flow rate and emits a visual and audible signal to indicate any drop below the statutory minimum value of ≤ 20m/s
- Suction diameter selector switch for adjusting the optimum flow rate
- Class M safety vacuum cleaner, suitable for all dusts with OEL values ≥ 0.1 mg/m³. Specifically for mineral and timber dusts (also beech and oak)
- This tool is also available in 110 V (only M class)



SPECIFICATIONS

Power input P. max.	1400 watt
Max. volume flow	4500 l/min
Max. vacuum	25000 Pa
Filter surface	5000 cm ²
Container volume	30 l
Liquid capacity	17 l
Power take off	100-2400 watt
Size (W x L x H)	565 x 385 x 565 mm
Cable length	7.5 m
Weight	15.2 kg



Standard equipment

Standard equipment	Order no.
VCE 33 L AC	444.111
Antistatic 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 L-BOX® holder	445.169
1 flat-fold filter PES L/M/H	445.118
1 fleece filter bag class L/M	445.088
1 PP waste disposal bag	445.061
1 adapter Ø 25-32 mm, anti-static	445.029
Hose clip	2 pieces

VCE 33 L AC-Set	465.674
same as VCE 33 L AC	
1 cleaning set	445.053

VCE 33 M AC	444.138
same as VCE 33 L AC	

VCE 33 M AC-Set	465.682
same as VCE 33 L AC	
1 cleaning set	445.053

Safety vacuum cleaners

VCE 44 L AC

VCE 44 L AC-Set

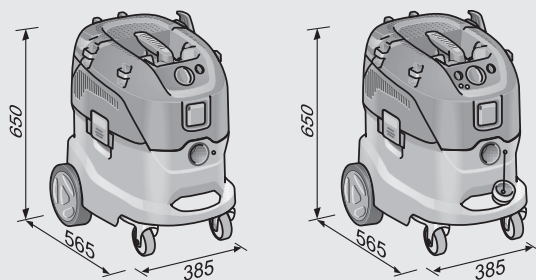
VCE 44 M AC

VCE 44 M AC-Set



SPECIFICATIONS

Power input P. max.	1400 watt
Max. volume flow	4500 l/min
Max. vacuum	25000 Pa
Filter surface	5000 cm ²
Container volume	42 l
Liquid capacity	26 l
Power take off	100-2400 watt
Size (W x L x H)	565 x 385 x 650 mm
Cable length	7.5 m
Weight	16.7 kg



Standard equipment

Standard equipment	Order no.
VCE 44 L AC	444.154
Antistatic 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 L-BOXX® holder	445.169
1 flat-fold filter PES L/M/H	445.118
1 fleece filter bag class L/M	445.088
1 PP waste disposal bag	445.061
1 adapter Ø 25-32 mm, anti-static	445.029
Hose clip	2 pieces
VCE 44 L AC-Set	465.690
same as VCE 44 L AC	
1 cleaning set	445.053
VCE 44 M AC	444.170
same as VCE 44 L AC	
VCE 44 M AC-Set	465.704
same as VCE 44 L AC	
1 cleaning set	445.053



Safety vacuum cleaner with automatic filter cleaning system, 42 l, class L and M

- Adapter plate for fixing L-BOXXes and Tanos systainers on the head of the vacuum cleaner
- 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 with Teflon coating / nanocoating allows optimum use of the tank volume
- With permanent socket and electronic automatic on/off switch
- The flow rate control via the rotary switch minimises possible vacuums on the surface during intermediate and finish sanding
- Suitable for wet vacuuming: with electronic liquid level control
- 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
- Double-walled sturdy container with integrated grip recess for emptying the container easily
- Dust-protected antistatic finish prevents electric charging of the suction hose
- Equipped with large wheels and two swivel guide rollers made of metal
- Separate motor air cooling duct with coarse dirt filter. Protects the turbine against the ingress of ambient air and thereby extends the service life. (Fine dust filter PES available as an accessory)
- Simple filter change without removing the suction head
- With hose retainer and expander for easy, quick securing of the power cable
- With 4 clamping loops (2 on each side) for attaching straps and a giraffe holder
- 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 $>1 \text{ mg/m}^3$

For VCE 44 M AC

- Flow sensor technology monitors the flow rate and emits a visual and audible signal to indicate any drop below the statutory minimum value of $\leq 20 \text{ m/s}$
- Suction diameter selector switch for adjusting the optimum flow rate
- 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)



Safety vacuum cleaner with automatic filter cleaning system, 42 l, class H

- Adapter plate for fixing L-BOXXes and Tanos systainers on the head of the vacuum cleaner
- 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 with Teflon coating / nanocoating allows optimum use of the tank volume
- With permanent socket and electronic automatic on/off switch
- Flow sensor technology monitors the flow rate and emits a visual and audible signal to indicate any drop below the statutory minimum value of $\leq 20\text{m/s}$
- Visual and audible signal for monitoring the HEPA filter
- The flow rate control via the rotary switch minimises possible vacuums on the surface during intermediate and finish sanding
- Suction diameter selector switch for adjusting the optimum flow rate
- Suitable for wet vacuuming: with electronic liquid level control
- 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
- Double-walled sturdy container with integrated grip recess for emptying the container easily
- Dust-protected antistatic finish prevents electric charging of the suction hose
- Equipped with large wheels and two swivel guide rollers made of metal
- Separate motor air cooling duct with coarse dirt filter. Protects the turbine against the ingress of ambient air and thereby extends the service life. (Fine dust filter PES available as an accessory)
- Simple filter change without removing the suction head
- With hose retainer and expander for easy, quick securing of the power cable
- With 4 clamping loops (2 on each side) for attaching straps and a giraffe holder
- Safety vacuum cleaner class H: suitable for all dusts with OEL values $< 0.1\text{ mg/m}^3$ with additional audit "asbestos" by TRGS 519
- Suitable for dry, non-flammable dusts that are harmful to the health and carcinogenic substances incl. asbestos
- 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.



Dust class



Container Volume



Antistatic equipment



Automatic Main filter cleaning



Wet suction function



Dry suction function



Max. Power consumption



Connected load



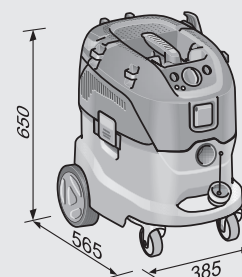
Suction hose



Mains cable

SPECIFICATIONS



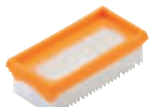
Power input P. max.	1400 watt
Max. volume flow	4500 l/min
Max. vacuum	25000 Pa
Filter surface	5000 cm ²
Container volume	42 l
Liquid capacity	26 l
Power take off	100-2400 watt
Size (W x L x H)	565 x 385 x 650 mm
Cable length	7.5 m
Weight	17.6 kg











Standard equipment	Order no.
VCE 44 H AC	444.197
Antistatic suction hose \varnothing 32 mm x 4 m with clip connection including auxiliary air control and suction adapter SAD-C D25-32AS	406.708
1 L-BOXX [®] holder	445.169
1 flat-fold filter PES L/M/H	445.118
1 filter element class H/HEPA 13	445.126
1 safety filter bag	445.096
1 adapter \varnothing 25-32 mm, anti-static	445.029
Hose clip	2 pieces
VCE 44 H AC-Kit	446.025
same as VCE 44 H AC	
1 cleaning set	445.053

Safety vacuum cleaners






Accessories

Type	Description	Designation	QP	Order no.	VC 21 L MC	VCE 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
 <p>Suction hose</p>	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.	SH 32x3.5m	1	385.484	■	■	-	-	-	-	-	-
 <p>Adapter</p>	Connecting sleeve for electric power tools. Diameter 27 to 32 mm, for vacuum hose 385.484.	SAD D27-32	1	385.506	■	■	-	-	-	-	-	
 <p>Filter element</p>	Folded filter made of hard-wearing and washable PET. Dirt-resistant surface and long service life. Approval dust class L and M. For VC 21 L MC and VCE 26 L MC.	FE VC/E 21-26 PET M	1	385.085	■	■	-	-	-	-	-	
 <p>Fleece filter bags</p>	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	■	■	-	-	-	-	-	
 <p>Disposal bag</p>	Sealable waste bag made of PP, ideal for coarse dirt. For VC 21 L MC, VC 25 L MC and VCE 26 L MC.	ES-PP VC/E 21-26 VE5	5	385.107	■	■	-	-	-	-	-	
 <p>PES flat folded filter</p>	Teflon-coated/nano-coated Class M filter, can also be used for L and H vacuum cleaner. Long service life thanks to high-quality PES filter fleece. The dirt-repelling surface improves the cleaning of the filter material. The filter pores are reliably kept free of dirt. Easy to clean, long service life, also suitable for wet work.	FE VCE PES L/M/H	1	445.118	-	-	■	■	■	■	■	
 <p>Filter element</p>	Filter for the class H/HEPA 13 corresponds to filtration efficiency H14. Made of special material with a permeability of < 0.005%.	FE VCE44 H/HEPA	1	445.126	-	-	-	-	-	-	■	
 <p>PES flat folded filter</p>	PES motor cooling air prefilter, cleans the cooling air in particle-loaded area in order to protect the motor. For all classes L/M/H of the 33 and 44 series.	VFE VCE L/M/H	1	445.134	-	-	■	■	■	■	■	

Type	Description	Designation	QP	Order no.	VC 21 L MC	VC 26 L MC	VC 33 L MC	VC 33 L AC	VC 33 M AC	VC 44 L AC	VC 44 M AC	VC 44 H AC
 <p>Fleece filter bags</p>	Class M fleece filter sack. Improved filling compared with paper filter sacks, durable and moisture-resistant. Due to the larger dimensions, the filter sack can be used for both containers 33 and 44.	FS-F VCE L/M VE5	5	445.088	-	-	■	■	■	■	■	■
 <p>Longlife filter sack</p>	Resealable, reusable filter bag made of 3-layer polyester fleece for sucking up coarse dirt.	FS-LL VCE 33/44	1	445.517	-	-	■	■	■	■	■	■
 <p>Safety filter bag</p>	Double-walled filter bag with additional protective PE cover and seal for free-dust disposal for VCE 44 H AC.	SFS VCE H VE5	5	445.096	-	-	■	■	■	■	■	■
 <p>Disposal bag</p>	Sealable waste bag made of PP, ideal for coarse dirt. For VCE 33/44 L/M AC.	ES-PP VCE L/M VE5	5	445.061	-	-	■	■	■	■	■	■
 <p>Handle</p>	Easy to mount, for comfortable handling of the vacuum cleaners even when the container is full.	VCE-TH	1	445.150	-	-	■	■	■	■	■	■
 <p>L-BOXX® holder</p>	Adapter plate for securing L-BOXXes and Tanos systainers on the head of vacuum cleaner. For VCE 33/44 L/M/H.	VCE-AP	1	445.169	-	-	■	■	■	■	■	■
 <p>L-BOXX® Air holder</p>	Attachment for using pneumatic devices and for fixing L-BOXXes and Tanos systainers. Regulates the automatic activation when pneumatic devices are used.	VCE-AP Air	1	445.177	-	-	■	■	■	■	■	■
 <p>Giraffe holder</p>	Support for holding the giraffes GE 5/ GE 5 R can be easily clipped on to the head of the vacuum cleaner VCE 33/44 L/M/H AC.	VCE-GE Fix	1	445.185	-	-	■	■	■	■	■	■

Safety vacuum cleaners

Accessories

Type	Description	Designation	Dimensions in mm	QP	Order no.	VC 21 L MC	VCE 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
	Antistatic suction hose with auxiliary air control Internal Ø 32 mm, 4 m with universal device connection, snap connection and universal adapter (445.029), antistatic. Includes variable adjustment of suction power for reduction of vacuum.	SH-C 32x4m AS/NL		1	406.708	■	■	■	■	■	■	■	■
	Inner-Ø 32 mm, 4 m with clip system grey including bleed air control, antistatic. The suction hose is sheathed in polyester fabric so it slides more easily across edges and uneven surfaces which prevents from abrasion damage. The polyester fabric increases the flexibility of the hose and protects it against solar radiation.	SH-CF 32x4m AS/NL		1	477.605	■	■	■	■	■	■	■	■
	Antistatic suction hose 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	■	■	■	■	■	■	■	■
	Suction hose with auxiliary air control Internal Ø 32 mm, 4 m with universal device connection, snap connection, includes variable adjustment of suction power for reduction of vacuum.	SH-C 32x4m		1	445.037	-	-	■	■	■	■	■	■
	Suction hose Internal Ø 32 mm, 4 m with universal device connection. With special adapter SAD D32 WS/WSK.	SH 32x4m WS 702		1	341.355	-	-	■	■	■	■	■	■

Type	Description	Designation	QP	Order no.	VC 21 L MC	VC 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
 <p>Exhaust air set</p>	Consists of suction hose inner Ø 50 mm, 4 m and VCE exhaust air connector and coded suction hose connection. To remove the cleaned exhaust air from the work area. This prevents hazardous dust from being whirled around and polluting the working environment with more fine respirable dust.	VCE EH 50x4m	1	477.621	-	-	■	■	■	■	■	■
 <p>Suction hose extension</p>	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	-	-	■	■	■	■	■	■
 <p>Suction hose snap coupling repair kit</p>	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	-	-	-	-	-	-	-	
 <p>Snap-ring grey</p>	For suction hose SH-C with snap coupling.	SH-C 32	1	379.654	-	-	-	-	-	-	-	
 <p>Clip-on quick clamping ring red</p>	For suction adapter SAD-FC 32 and for GE 5 /R, GSE 5 R.	SH-FC 32	1	406.023	-	-	-	-	-	-	-	
 <p>Threaded ring clip with auxiliary air control</p>	Threadring 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	-	-	-	-	-	-	-	
 <p>Clip adapter</p>	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	-	-	-	-	-	-	-	
 <p>Fast clip adapter</p>	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	-	-	-	-	-	-	-	

Safety vacuum cleaners

Accessories









Type	Description	Designation	QP	Order no.	VC 21 L MC	VCE 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
<p>Adapter</p>      	<p>Universal adapter antistatic, for universal connection of machines with 25-32 mm Ø extraction connection with 32 mm suction hose, for adapter with snap connection, can be trimmed to 3 different diameters.</p>	SAD-C D25-32 AS	1	445.029	-	-	-	-	-	-	-	-
	<p>Suitable for suction hoses using the FLEX clip-system. Antistatic design.</p>	SAD-C 32 AS	1	445.142	-	-	-	-	-	-	-	-
	<p>Suitable for suction hoses using the FLEX clip-system for machine connection Ø 27 mm. Antistatic design.</p>	SAD-C 27 AS	1	461.628	-	-	-	-	-	-	-	-
	<p>Suitable for suction hoses using the FLEX clip-system for machine connection Ø 36 mm. Antistatic design.</p>	SAD-C 36 AS	1	461.636	-	-	-	-	-	-	-	-
	<p>Antistatic sleeve Ø 27 mm, with internal thread, suitable for suction hose 379.395.</p>	SAD 27 AS	1	382.736	-	-	-	-	-	-	-	-
	<p>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.</p>	SAD D25-32 AS	1	259.827	-	-	-	-	-	-	-	-
<p>Special adapter</p>   	<p>Suitable for suction hoses with 32 mm Ø without FLEX clip-system and for the suction hose extension (296.953).</p>	SAD D32 WS/WSK	1	340.790	-	-	-	-	-	-	-	-
	<p>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.</p>	SAD-C WS/WSE	1	364.460	-	-	-	-	-	-	-	-
	<p>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).</p>	SAD D32-32 R	1	328.308	-	-	-	-	-	-	-	-

Type	Description	Designation	QP	Order no.	VC 21 L MC	VCE 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
 <p>Special adapter</p>	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). For MS 1706/1709 FR.	SAD D32-28	1	251.847	-	-	-	-	-	-	-	-
 <p>Rotating vacuum adapter</p>	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	-	-	-	-	-	-	-	
 <p>Coupling bush</p>	For connection of 32 mm Ø suction hoses and suction hose extension SHV-C 32x0.5 m (296.953) to the device with 36 mm Ø extraction connection.	SAD D32-36	1	257.169	-	-	-	-	-	-	-	
 <p>Coupling bush</p>	For connecting two FLEX vacuum hoses, without connection, inside thread 32 mm.	SAD 32/32	1	296.996	-	-	-	-	-	-	-	
 <p>Cleaning set</p>	Comprises suction hose inner-Ø 50 mm, 1.75 m, 2 plastic suction tubes Ø 50 x 510 mm, and 1 coarse dust nozzle Ø 50. To vacuum heavy, coarse dust. By using this D50 cleaning set, the maximum air volume of the suction equipment is used to vacuum heavy dust and particles effectively. The special coarse dust nozzle supports this effect and is designed to take up dirt specifically without a loss in air volume.	CLE 50	1	477.613	■	■	■	■	■	■	■	
 <p>Cleaning set</p>	Consisting of an antistatic elbow (445.010) for connecting the suction hose and suction pipe, 3 x 350 mm extension pipe INOX (445.207), clip floor nozzle (445.509), round brush (385.646), cushion nozzle (385.549) and joint nozzle (385.530).	CLE 32 AS	1 Set	445.053	■	■	■	■	■	■	■	
 <p>Cleaning set</p>	Consisting of 1 carrying case L-BOXX® 102, antistatic elbow (445.010) for connecting the suction hose and suction pipe, 3 x 350 mm extension pipe INOX (445.207), clip floor nozzle (445.509), round brush (385.646), cushion nozzle (385.549) and joint nozzle (385.530).	CLE 32 AS + L-Boxx	1 Set	451.703	■	■	■	■	■	■	■	
 <p>Elbow</p>	Antistatic, for connection of suction hose with snap connection and suction tube.	K-C 32 KU AS	1	445.010	-	-	-	-	-	-	-	

Safety vacuum cleaners

Accessories

Type	Description	Designation	QP	Order no.	VC 21 L MC	VCE 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC	
 <p>Extension tube</p>	Stainless steel extension pipes, length 3 x 350 mm. For connection to elbow K-C 32 KU AS (445.010).	V 36x350 INOX VE3	3	445.207	■	■	■	■	■	■	■	■	
 <p>Brush nozzle</p>	Brush nozzle with brush edge for cleaning sensitive surfaces. Width 46 mm, length 220 mm.	BN 36x220	1	385.557	■	■	■	■	■	■	■	■	
 <p>Round brush</p>	Round brush nozzle with brush edge for cleaning sensitive surfaces. Diameter 36 mm, length 120 mm.	RN 36x120	1	385.646	■	■	■	■	■	■	■	■	
 <p>Upholstery nozzle</p>	Upholstery nozzle with thread catcher, diameter 36 mm, width 115 mm.	PN 36x115	1	385.549	■	■	■	■	■	■	■	■	
 <p>Crevice nozzle</p>	Crevice nozzle diameter 36 mm, length 300 mm (not serial equipment).	CN 36x300	1	385.530	■	■	■	■	■	■	■	■	
 <p>Surface nozzle</p>	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	■	■	■	■	■	■	■		
 <p>Combination floor nozzle</p>	Switchable combination floor nozzle for cleaning carpeted floors and hard floors. Diameter 36 mm, width 260 mm.	KN 36x260	1	385.565	■	■	■	■	■	■	■		
 <p>Floor nozzle with rollers</p>	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	■	■	■	■	■	■	■		

Type	Description	Designation	Dimensions in mm	QP	Order no.	VC 21 L MC	VC 26 L MC	VCE 33 L MC	VCE 33 L AC	VCE 33 M AC	VCE 44 L AC	VCE 44 M AC	VCE 44 H AC
 Brush strip	Brush strip insert (spare part) for aluminium floor nozzle (369.896)	BL-FN-AL 36x370 VE2		2	374.075	-	-	-	-	-	-	-	-
 Rubber strip	Rubber lip insert (spare part) for aluminium floor nozzle (369.896).	GL-FN-AL 36x370 VE2		2	374.083	-	-	-	-	-	-	-	-
 Floor nozzle	Brush strip insert for dry cleaning and rubber strip insert for wet cleaning. Diameter 36 mm, width 300 mm.	FN D36x300		1	445.509	■	■	■	■	■	■	■	■
 Clip floor nozzle with rollers	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	Brush strips (replacement requirement) for the clip floor nozzle (385.573).	BL-CNW 36x400 VE2		2	385.581	-	-	-	-	-	-	-	-
 Rubber strip	Rubber lips (replacement requirement) for clip floor nozzle (385.573).	GL-CNW 36x400 VE2		2	385.603	-	-	-	-	-	-	-	-
 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	■	■	■	■	■	■	■	■
 Cable clip	For fixing power tool cable to vacuum hose, suitable for 27-36 mm external Ø.	Cable clip, 1 piece		1	252.188	■	■	■	■	■	■	■	■

Building site air purifier

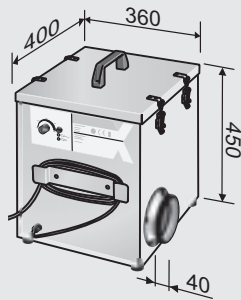
VAC 800-EC



NEW

SPECIFICATIONS

Power input	170 watt
Nominal power consumption	1.7 - 1.45 A
No load speed	0-3930 rpm
Max. volume flow	544 m ³ /h
Filter surface	H13 > 7.26 m ²
Protection	10 VA
Dust extraction connection	Ø 125 mm
Sound pressure level	1 m, 58 dB(A)
Size, complete unit (W x L x H)	373 x 400 x 508 mm
Cable length	3.5 m
Weight (without filter)	7.2 kg



Dust class



Building site air purifier, dust class M


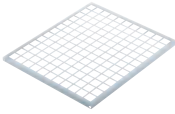






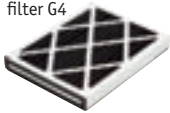


- For cleaning air during renovation and demolition work in very hazardous “black” areas. To protect users, fine respirable dust is filtered from the air by means of coarse, fine, M/H filters and activated carbon filters
- Dust is removed directly from wherever it is produced. A low pressure regime can be achieved by installing mobile plastic partitioning and air locks, thus preventing dust from spreading outside the work area.
- Volume flow monitoring and variable volume flow setting via rotary switch. The low pressure required can thus be freely adjusted and adapted to the working environment
- Brushless motor with greater efficiency and a longer service life
- Low operating noise, with night function
- Compact design, lightest tool of its class with 125 Ø mm exhaust air flow system
- High air flow

Standard equipment

Order no.

VAC 800-EC	477.745
10 pre-filter mats G3	477.699
1 coarse filter G4	477.702
1 HEPA filter H13	477.737
1 hose SH 125x5m C	477.672
1 door airlock DL 2.3x1.3m PP	477.753

Accessories page 237

Type	Description	Designation	QP	Order no.	VAC 800-EC
 <p>Adapter</p>	Hose connector-adapter consisting of metal cover with hose connector and hose clip Ø 125 mm. To use the VAC 800-EC outside the work area and to generate low pressure within the cabin.	VAC-SAD D125	1	477.648	■
 <p>Front grille</p>	When using G3 coarse dust filter mats for air circulation in the work area, tool-free installation. Fits VAC 800-EC.	VAC-FG G3	1	477.656	■
 <p>Air flow adapter</p>	To extract dust for applications with high dust emissions such as demolition work, stirring, mixing. Tool-free mounting, fits VAC 800-EC.	VAC-AT D315	1	477.664	■
 <p>Hose</p>	Air flow hose can be extended to 5 m (6 m), incl. hose clip Ø 125 mm. To be connected to the VAC 800-EC at the extraction or air flow side.	SH 125x5m C	1	477.672	■
		SH 125x6m C	1	448.186	■
 <p>Hose</p>	Poly tubing 88 m, Ø 125. Can be shortened to the required length to feed the extracted air. Fits VAC 800-EC.	SH 125x88m PP	1	477.680	■
 <p>Door airlock</p>	Door air lock made of PP sheeting to attach to interior doors. Seals off the work area, making it possible to achieve a low pressure regime and prevent dust from spreading outside the work area.	DL 2.3x1.3m PP	10	477.753	■
 <p>Pre-filter mats G3</p>	Retains coarse particles. Used to protect the filter cassettes. Fits VAC 800-EC.	VFE VAC G3	10	477.699	■
 <p>Coarse filter G4</p>	Coarse dust filter cassette for use as pre-filter. Retains up to 90% of dust particles. Air resistance of only 45 pascal. Fits VAC 800-EC.	FE VAC G4	1	477.702	■
 <p>Activated carbon filter G4</p>	Coarse dust filter cassette for use as pre-filter. Filters odours from the working environment and retains up to 70% of dust particles. Air resistance of only 45 pascal. Fits VAC 800-EC.	FE VAC G4 AK	1	477.710	■
 <p>Fine dust filter F7</p>	Filter cassette retains up to 80% of fine dust particles. Air resistance of only 60 pascal. Fits VAC 800-EC.	FE VAC F7	1	477.729	■
 <p>Filter HEPA H13/H14</p>	Filter cassette retains 99.99% (H14 99.995%) of fine dust particles. Air resistance of 190 pascal. Fits VAC 800-EC.	FE VAC H13/HEPA	1	477.737	■
		FE VAC H14/HEPA	1	488.194	■



Mixers

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-viscose, 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.

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.

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NEW PRODUCTS



MXE 1602
2-speed mixer







→ Page 248



MXE 18.0-EC
2-speed cordless mixer

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Overview of power tools

	 MXE 1000 Single gear mixer	 MXE 1002 2-speed mixer	 MXE 1200 Single gear mixer	 MXE 1202 2-speed mixer	 MXE 1602 2-speed mixer	 MXE 18.0-EC 2-speed cordless mixer
Power input	1010 watt	1010 watt	1200 watt	1200 watt	1600 watt	
No load speed 1st gear	0 - 780 rpm	0 - 530 rpm	0 - 210 rpm 0 - 325 rpm 0 - 530 rpm	0 - 210 rpm 0 - 325 rpm 0 - 530 rpm	0 - 150 rpm 0 - 300 rpm 0 - 530 rpm	0 - 210 rpm 0 - 325 rpm 0 - 530 rpm
No load speed 2nd gear	-	0 - 780 rpm	-	0 - 320 rpm 0 - 490 rpm 0 - 780 rpm	0 - 200 rpm 0 - 400 rpm 0 - 780 rpm	0 - 320 rpm 0 - 490 rpm 0 - 780 rpm
Tool fixture	M14	M14	M14	M14	M14	M 14
Clamping collar Ø	53 mm	53 mm	53 mm	53 mm	53 mm	53 mm
Max. mixing paddle Ø	120 mm	120 mm	140 mm	140 mm	160 mm	120 mm
Battery voltage	-	-	-	-	-	18.0 V
Weight (without mixing paddle)	4.5 kg	4.6 kg	4.6 kg	4.8 kg	5.0 kg	4.1 kg (without battery)
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Cordless accessories see page 110

Overview of the mixing head

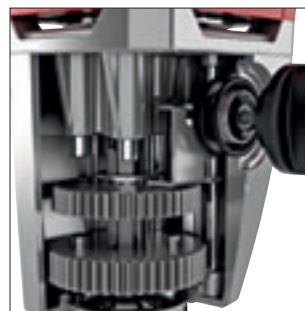
	 RR2 Spiral paddle	 WR2 Spiral paddle	 WR3R Helix paddle	 WR3L Helix paddle	 PR3L Plaster paddle	 SR2 Disc paddle	 RB Beater
Thin-liquid to pasty / Low viscosity							
Wall paints	■			■		■	
Emulsion paints	■			■		■	
Varnishes/glazes	■			■		■	
Paste	■					■	
Cement slurry	■			■		■	
Jointing mortar	■			■			
Glue	■					■	
Pasty to tough / Medium viscosity							
Adhesive mortar		■			■		
Tile adhesive		■					■
Sealants		■					■
Adhesives		■					■
Filler		■			■		■
Grout	■	■					■
Filler compound							■
Thin-bed mortar		■	■				
Finished plaster		■	■		■		
Bitumen coating		■	■				■
Bitumen							■
Fibrous material							■
Tough to heavy / High viscosity							
Mortar		■	■		■		
Repair mortar		■	■		■		
2-K artificial mortar			■				
Concrete		■	■				
Screed		■	■				
Cement plaster		■	■		■		
Lime plaster		■	■		■		
Plasterboard bonding compound		■	■		■		
Thermal insulating plaster		■	■		■		
Epoxy resin			■				
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■ particularly suitable ■ suitable

Mixers – They mix everything up

Robust technology, high torque and a great many well-conceived details single out the new MXE mixers. The newly designed gearbox, which can call on a maximum torque of up to 127 Nm, has smart electronics that provide the force required at a constant speed while at the same time protecting the mixer from overload and overheating when in continuous use. This ensures all building materials are mixed to perfection.

- 1 **Electronic control**
with soft start, restart protection after power failure, temperature monitoring, overload protection. With stepless speed regulation for a controlled acceleration to the optimal mixing speed. Sustained power in all speed ranges.
- 2 **Protective cap**
above the motor housing guides the cooling air flow and prevents the ingress of splashing water.
- 3 **Robust gear housing**
of die-cast aluminium protects the gear and convinces with its enormous robustness and long service life.
- 4 **Tool fixture M 14**
- 5 **Large 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.
- 6 **The collar**
at Ø 53 mm offers space for large ball bearings while increasing service life.
- 7 **Four corner guards with rubber buffer**
provide secure storage during transportation and offer protection against shocks and impacts at the building site.



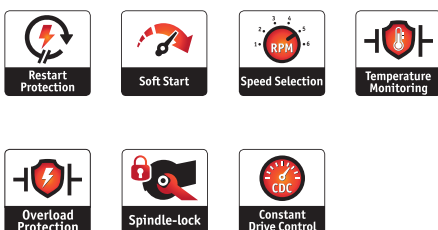
Longlife gearboxes

The powerful gearboxes of the MXE series convince the user with their enormous torque. The MXE 1602 model also has two speed settings.



Unique 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.





Simple to change over
The unique spindle lock and rotation stop function makes it easier to exchange the mixing rod.

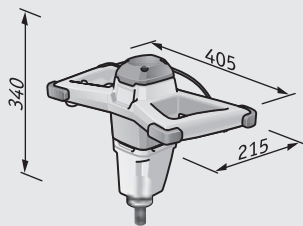


Perfect control
Work can proceed without interruption thanks to the novel electronics with the protected 3-speed switch for cleaning, mixing and slow stirring.



SPECIFICATIONS

No load speed	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)	4.5 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 splashing water
- For mixed applications up to 40 kg
- Proven standard mixer is ideal for users operating mainly in the low speed range



Standard equipment	Order no.
MXE 1000 + WR2 120	433.179
1 WR2 helix paddle 120x600 M14	368.881
1 open-ended wrench SW 19	439.967
1 open-ended wrench SW 22	439.975





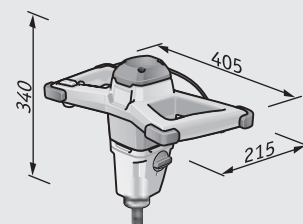
1010 watt 2-speed mixer with accelerator trigger switch

- 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 splashing 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



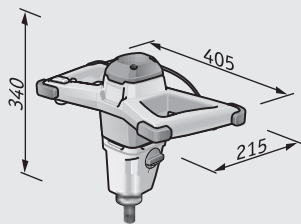
Standard equipment	Order no.
MXE 1002 + WR2 120	433.209
1 WR2 helix paddle 120x600 M14	368.881
1 open-ended wrench SW 22	439.975





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)	4.6 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 splashing 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.
MXE 1200 + WR2 140	433.233
1 helix paddle WR2 140x600 M14	368.997
1 open-ended wrench SW 22	439.975
MXE 1200 + WR3R 140	433.225
1 helix paddle WR3R 140x600 M14	369.012
1 open-ended wrench SW 22	439.975





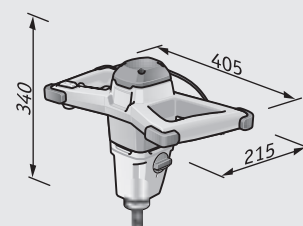
1200 watt 2-speed mixer with 3-level speed switch

- 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 splashing 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)	4.8 kg



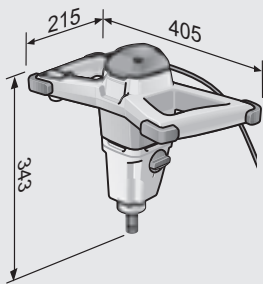
Order your mixer together with the mixing paddle which is the right one for you!

Standard equipment	Order no.
 MXE 1202 + WR2 140	433.276
1 helix paddle WR2 140x600 M14	368.997
1 open-ended wrench SW 22	439.975
 MXE 1202 + WR3R 140	433.268
1 helix paddle WR3R 140x600 M14	369.012
1 open-ended wrench SW 22	439.975



SPECIFICATIONS

No load speed 1st gear	0-150/300/530 rpm
No load speed 2nd gear	0-200/400/780 rpm
Power input	1600 watt
Power output	925 watt
Tool fixture	M 14
Clamping collar Ø	53 mm
Max. mixing paddle Ø	160 mm
Size (W x L x H)	343 x 405 x 215 mm
Cable length	4.0 m
Weight (without mixing paddle)	5.0 kg



1600 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
- Rotary switch to set the optimum mixing speed. Speed 1: for highly viscous materials, speed 2: for medium and low viscosity materials
- 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 splashing water
- For mixed applications up to 90 kg










Order your mixer together with the mixing paddle which is the right one for you!





Standard equipment	Order no.
MXE 1602 + WR2 160	459.232
1 WR2 helix paddle 160x600 M14	369.004
1 open-ended wrench SW 22	439.975
MXE 1602 + WR3R 160	459.240
1 helix paddle WR3R 160x600 M14	369.020
1 open-ended wrench SW 22	439.975










Accessories from page 249

Type	Description	Designation	Paddle in mm	Mix in kg	QP	Order no.	MXE 1000/MXE 1002	MXE 1200/MXE 1202	MXE 1602	for drill chuck	
Spiral paddle RR2 	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 	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 	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 	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 	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 	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 	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	-	■	-	-	

Mixers
Accessories

Type	Description	Designation	Paddle in mm	Mix in kg	QP	Order no.	MXE 1000/MXE 1002	MXE 1200/MXE 1202	MXE 1602	for drill chuck
Mixing paddle, M 14 	For larger quantities. Used with an extension rod.		120 Ø		1	124.761	■	■	■	-
Mixing paddle, M 14 	For smaller quantities. Used with an extension rod.		70 Ø		1	124.753	■	■	■	-
Mixing paddles I and II, galvanized version 	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. Equipment: - Supplied in pairs, adapted for the FLEX positive mixer. For insertion in the positive mixer guides. - 600 mm overall length Please note: 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	-	-	-	-
Spiral paddle RR2 	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	-	-	-	-

Type	Description	Designation	Paddle in mm	Mix in kg	QP	Order no.	MXE 1000/MXE 1002	MXE 1200/MXE 1202	MXE 1602	for drill chuck		
Helix paddle WR2 	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	-	-	-	■		
Disc paddle SR2 	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	-	-	-	■		
Beater RB 	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 18 to M 14 adapter 	For attaching FLEX mixing paddles M 14 to FLEX R 600, R 600 VV and R 1800 VR mixers.					1	250.484	-	-	-		
SDS-plus M14 adapter 	M 14 threaded mixer paddle adapter. Useable with SDS-plus hammer drill.					1	374.091	-	-	-		
Extension M14 	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 M14 	Extension for M 14 mixer paddles. For mixing liquids (paints) in large batches.	R-V 400 M14 M/F	400			1	374.113	■	■	■	-	



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.

Laser measuring technology

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, interior work, gardening and landscaping, 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.

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NEW PRODUCTS







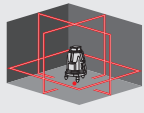
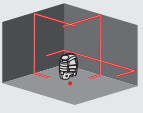
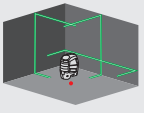
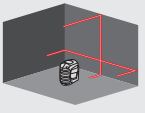
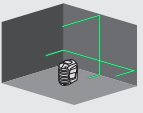


ALC 8

Self-levelling multi-line laser

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Overview of power tools

	 ALC 8 Self-levelling multi-line Laser	 ALC 3/1-Basic Self-levelling crossline Laser	 ALC 3/1-G Self-levelling crossline Laser	 ALC 2/1-Basic Self-levelling crossline Laser	 ALC 2/1-G Self-levelling crossline Laser	 ADM 60 Li Laser range finder
						
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	■	■	■	■	■	■
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■ ideally suited

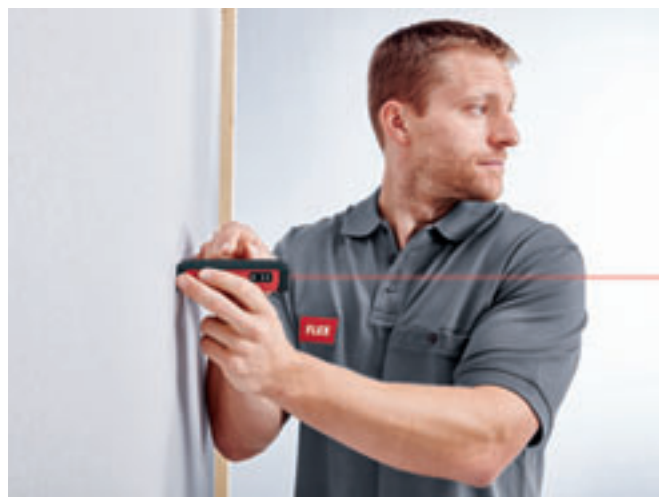
■ suitable

Simple handling and particular precision.



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.



Fast sizing of room with decorator function

The ADM 60 Li with dust-proof and splash-proof housing calculates lengths, areas and volumes simply and easily and determines heights via indirect distance measurement. The dimensions can be switched between m/mm and feet/inches. Particularly interesting for fast room sizing is the decorator function, which automatically determines total areas of rooms if the height does not change.



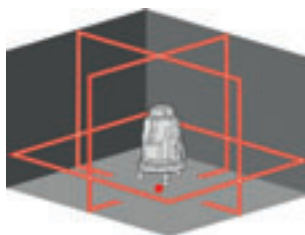
Crosswise works as well

The ALC 3/1-G 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.



The all-rounder with a great variety of functions

ALC 8 is the complete solution for all interior levelling work undertaken by the specialist trades. Horizontal levelling is quick and easy thanks to the 360° line and is ideal when installing suspended ceilings or siting electrical sockets, for example. The 90° angles projected can be manually rotated and finely adjusted without losing the plumb spot. This is the perfect way to align stud walls, for example.



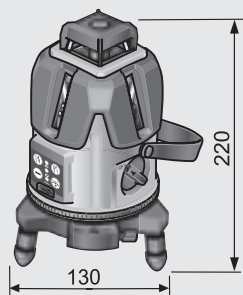
SPECIFICATIONS

Number of lines	1 horizontal 360°/4 vertical plus plumb
Visible area lines	360°/90°
Precision	± 0.3 mm/m (plumb ± 0.6 mm/m)
Self-levelling range	± 3 °
Max. working range	20 m / plumb 5
Operation duration	6 h
Temperature range	-10° - +45 °C
Laser class	2
International Protection	IP 54
Integrated battery	3.7 V 1200 mAh / Li-Ion
Weight	1.2 kg



Self-levelling multi-line laser for visual room layout

- Cross-laser projection
- Four vertical laser lines at 90°, a switchable horizontal 360° line plus lead function.
- Self-levelling with robust magnetic damping
- Self-levelling which can be switched off
- Optical and acoustical warning signal when self-levelling range is exceeded
- Transportation lock
- with universal floor tripod
- Dust- and splash-proof
- 5/8" connection thread for tripods
- Integrated Li-polymer rechargeable battery
- The all-rounder with a great variety of functions for all indoor levelling work



Standard equipment	Order no.
ALC 8	458.600
1 USB-cable	1 piece
1 USB-charger	1 piece
1 carrying case	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
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Self-levelling which can be switched off
- Transportation lock
- 1/4" thread for tripod
- Ideal for aligning the framework

For ALC 3/1-Basic

- The exceptionally bright laser lines are still highly visible even in poor light conditions
- Simple On-button operation

For ALC 3/1-G

- Specially coated glasses ensure clean and high-precision laser lines.
- The green line is easily visible, even in bad lighting conditions
- Green laser diode
- Simple operation
- Integrated Li-polymer rechargeable battery



Carrying bag

SPECIFICATIONS

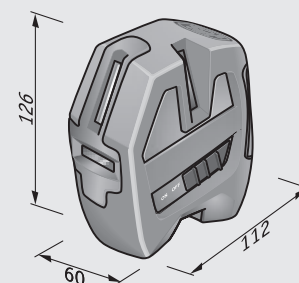
Number of lines	1 horizontal/2 vertical plus plumb
Visible area lines	90°
Precision	± 0.3 mm/m (plumb ± 0.6 mm/m)
Self-levelling range	± 4 °
Max. working range	20 m / plumb 5
Operation duration	6 h
Temperature range	-5° - +50 °C
Laser class	2
International Protection	IP 54

For ALC 3/1-Basic

Weight	0.58 kg
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For ALC 3/1-G

Integrated battery	3.7 V 2000 mAh / Li-Ion
Weight	0.53 kg

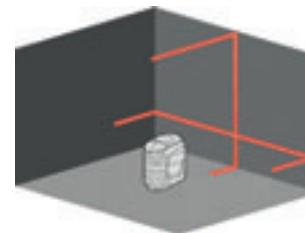
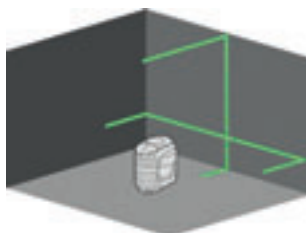


Standard equipment	Order no.
ALC 3/1-Basic	409.243
1 wall bracket magnetic WB-M/S 1/4 ALC-Basic	428.167
Batteries 3x AA	1 set
1 carrying bag	1 piece
ALC 3/1-G	456.004
1 wall bracket magnetic WB-M/S 1/4 ALC-Basic	428.167
1 USB-cable	1 piece
1 USB-charger	1 piece
1 carrying bag	1 piece

Measuring technology/laser

ALC 2/1-Basic

ALC 2/1-G



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

For ALC 2/1-Basic

Weight	0.42 kg
--------	---------

For ALC 2/1-G

Integrated battery	3.7 V 2000 mAh / Li-Ion
Weight	0.36 kg



Carrying bag

Self-levelling crossline laser

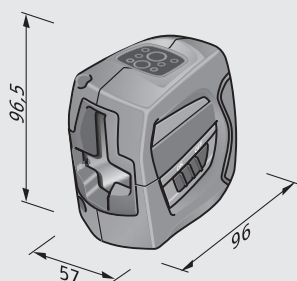
- With an individually switchable horizontal and vertical laser line
- Self-levelling
- Optical warning signal when self-levelling range exceeded
- Self-levelling which can be switched off
- Transportation lock
- 1/4" thread for tripod

For ALC 2/1-Basic

- The exceptionally bright laser lines are still highly visible even in poor light conditions
- Simple On-button operation

For ALC 2/1-G

- Specially coated glasses ensure clean and high-precision laser lines.
- The green line is easily visible, even in bad lighting conditions
- Green laser diode
- Simple operation
- Integrated Li-polymer rechargeable battery



Standard equipment

Order no.

ALC 2/1-Basic	409.235
Batteries 3x AA	1 set
1 carrying bag	1 piece

ALC 2/1-G	455.997
1 wall bracket magnetic WB-M/S 1/4 ALC-Basic	428.167
1 USB-cable	1 piece
1 USB-charger	1 piece
1 carrying bag	1 piece



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)
- Painter function, automatic sum calculation of individual wall surfaces with the same height
- Continuous measuring mode
- Switchable units of measurement in m/mm, inches/feet
- Has 4 reference points
- Minimum / maximum function
- Automatic stop
- Illuminated four-line display
- Dust- and splash-proof housing
- Timer for tripod measurements
- 1/4" connection thread for tripods



Carrying bag

SPECIFICATIONS

Precision	± 3 mm
Max. working range	0.15 - 60 m
Laser class	2
Visible laser diodes	< 1 mW, 635 nm
International Protection	IP 54
Integrated battery	3.7 V 500 mAh / Li-Ion
Weight	0.13 kg



Standard equipment	Order no.
ADM 60 Li	447.862
1 USB-cable	1 piece
1 USB-charger	1 piece
1 carrying bag	1 piece

Measuring technology/laser

LKS 100-300 5/8

LKS 65-170 F 1/4



SPECIFICATIONS LKS 100-300 5/8

Working range	1.01 - 3.00 m
Connection thread	5/8"
Weight	5.7 kg



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

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

SPECIFICATIONS LKS 65-170 F 1/4

Working range	0.65 - 1.65 m
Connection thread	1/4"
Weight	1.4 kg





Standard equipment LKS 100-300 5/8 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

Standard equipment LKS 65-170 F 1/4 Order no.

LKS 65-170 F 1/4	398.624
1 carrying bag	1 piece

Type	Description	Designation	QP	Order no.	ALC 8	ALC 2/1-Basic	ALC 2/1-G	ALC 3/1-Basic	ALC 3/1-G	ADM 60 Li	ADM 60-T
Laser wall bracket 	Magnetic wall bracket made of plastic with 1/4" and 5/8" device connection.	WB-M/S 1/4 ALC-Basic	1	428.167	-	■	■	■	■	■	■
Laser tripod adapter 	5/8" internal thread on 1/4" external thread for using the laser on the elevator tripod (398.616).	LAD 5/8 I-1/4 A	1	398.608	-	■	■	■	■	■	■



Polishers

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.

Contents

Overview of power tools	266
Polishes and sponges	272
Rotary	274
Eccentric, free running	281
Eccentric, with positive-action drive	285
Accessories	287

NEW PRODUCTS

18.0V
LITHIUM-ION



XCE 8 125 18.0-EC
Cordless random orbital polisher
with positive-action drive
→ Page 286

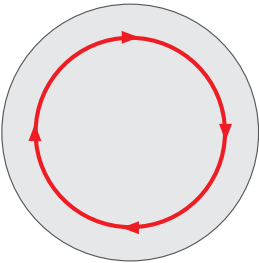
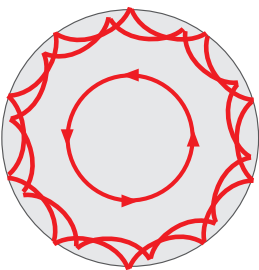
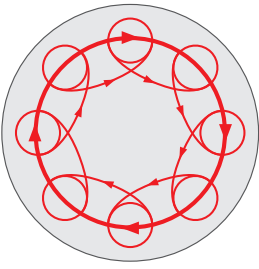


XCE 10-8 125
Random orbital polisher with
positive-action drive
→ Page 285

Drive type

FLEX provides the whole range of drive technologies for polishers and thus solutions for all types of user, be they a professional or a beginner with little experience. As a matter of principle: rotary polishers achieve a high removal rate and

thus belong in experienced hands only because the workpiece usually requires subsequent finishing with a random orbital polisher.

Drive	Properties	
<p>Rotary</p> 	<ul style="list-style-type: none"> ▪ Highest removal rate ▪ Rotary polishers belong in experienced hands ▪ Quickest way to remove scratches ▪ Hologram formation possible 	<p>Abrasiveness</p> <p>Speed ¹⁾</p> <p>Hologram effects ²⁾</p> <p>Hologram removal</p>
<p>Eccentric, with positive-action drive</p> 	<ul style="list-style-type: none"> ▪ Good removal rate ▪ No hologram formation ▪ Ideal for removing scratches and for finishing ▪ Wide range of applications 	<p>Abrasiveness</p> <p>Speed ¹⁾</p> <p>Hologram effects ²⁾</p> <p>Hologram removal</p>
<p>Eccentric, free running</p> 	<ul style="list-style-type: none"> ▪ Suitable for all types of user ▪ Easy handling ▪ No hologram formation ▪ Low removal rate ▪ Perfect for finishing 	<p>Abrasiveness</p> <p>Speed ¹⁾</p> <p>Hologram effects ²⁾</p> <p>Hologram removal</p>

¹⁾ Time required to remove damage
²⁾ Risk of hologram formation



FLEX

POLISH-FLEX















1-8
MIXING
WAXING
LOADING
3500 RPM
7500 RPM
7200 RPM

FLEX
CONCEPT

EXTRA LIFE

Overview of power tools

	 PE 14-1 180	 PE 14-2 150 POLISHFLEX	 PE 14-3 125	 PE 8-4 80	 L 602 VR	 XCE 10-8 125
Drive						
Power input in watts	1400	1400	1400	800	1500	1010
Max. polishing pad diameter mm	250	200	160	80	220	160
No load speed rpm	250 - 1350	380 - 2100	1100 - 3700	1300 - 3900	400 - 2400	140 - 430
Weight in kg	2.3	2.3	2.2	1.8	3.3	2.6
Available as a set		■	■		■	■
Application fields						
Orange peel effect	■	■	■	■	■	■
Tar stains	■	■	■	■	■	■
Dust inclusions	■	■	■	■	■	■
Bird droppings	■	■	■	■	■	■
Scratches	■	■	■	■	■	■
Drops of water	■	■	■	■	■	■
Light scratches						■
Traces from car wash						■
Matting						■
Hologram effects						■
Paint care / sealing						■
	Page 278	Page 276	Page 275	Page 274	Page 279	Page 285

Rotation polisher

Polishers with a rotary drive are characterised by high removal rates and rapid progress. This type of drive is therefore particularly suited for the fast removal of scratches, provided the polisher is in experienced hands which know how to guide the tool. The rotary movement has a large impact on the surface so that it is easy for holograms to form, which then have to be removed using a random orbital polisher in a second operational step.

- 1 **Flat gear head**
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.
- 2 **Grip hood with SoftGrip**
Ergonomically shaped for optimum and precise control of the machine.
- 3 **Accelerator trigger switch with lock**
For a slow and gentle start
- 4 **Controllable speed**
Microprocessor electronics with stepless speed preselection.
- 5 **4 metres PUR H05-BQF cable**
wear-resistant, flexible and highly resistant to cuts and abrasions
- 6 **Optimum cooling**
The optimised air flow ensures the best possible cooling of gearbox and motor.



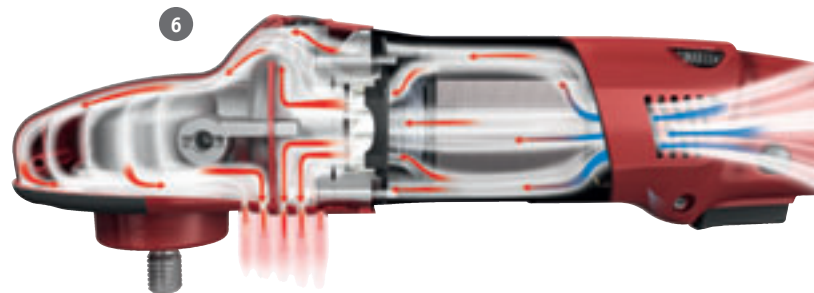
2-speed gearbox

The gear unit is a 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.

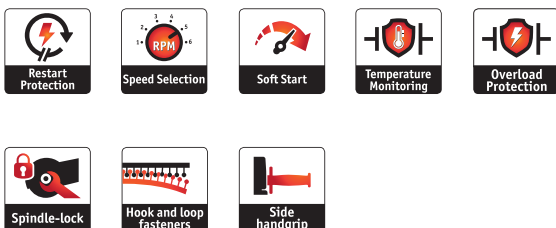


Spindle lock

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



Cordless accessories see page 110



PE 14-2 150
Rotation
polisher



PE 150 18.0-EC
Cordless rotary
polisher



Speed adjustment
The potentiometer wheel has been placed in the centre so that both right-handers and left-handers can comfortably adjust the speeds as they work.



Durable and powerful EC motor
Brushless motor with greater efficiency and a longer service life



Electronic management system (EMS)
protects the machine, extends the service life, and increases efficiency

Random orbital polisher

Random orbital polishers are very versatile and easy to use.

A positive-action random orbital polisher (XCE) can be used as a basic tool for the hologram-free removal of different types of paintwork damage or as a supplementary tool to the rotary polisher to remove holograms and for finishing.

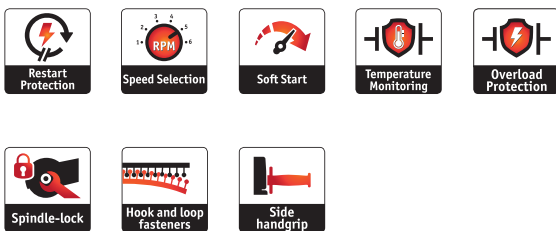
Free-running random orbital polishers (XFE) are suitable for all types of users and have only a low surface removal rate so that polishing errors can easily be remedied and no holograms form. Free-running random orbital polishers are perfect to finish all painted surfaces.

- 1 Flat gear head**
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.
- 2 Grip hood with SoftGrip**
Ergonomically shaped for optimum and precise control of the machine.
- 3 Accelerator trigger switch with lock**
For a slow and gentle start
- 4 Controllable speed**
Microprocessor electronics with stepless speed preselection.
- 5 4 metres PUR H05-BQF cable**
wear-resistant, flexible and highly resistant to cuts and abrasions
- 6 Optimum cooling**
The optimised air flow ensures the best possible cooling of gearbox and motor.



**Special velcro pad, cushioned
Ø 150 mm, Ø 125 mm**
Very robust and chemically resistant
10 mm medium hardness PU hook
and loop pad.

Cordless accessories see page 110





Video

XCE 10-8 125

Random orbital polisher with positive-action drive



XFE 15 150 18.0-EC

Cordless random orbital polisher, free running



Speed adjustment
The potentiometer wheel has been placed in the centre so that both right-handers and left-handers can comfortably adjust the speeds as they work.



Durable and powerful EC motor
Brushless motor with greater efficiency and a longer service life



Electronic management system (EMS)
protects the machine, extends the service life, and increases efficiency

Polishes



Abrasive paste P 05/05-LDX

High removal rate with maximum sheen

The universal high-performance abrasive paste removes P1500 grit abrasion marks in seconds.

- Suitable for all types of paint
- Contains no wax, silicon or pungent solvents
- For rotary and random orbital sanding
- Abrasiveness 5 / gloss level 5



Special polish P 03/06-LDX

Scratch removal with a deep sheen

Ideal for polishing P 2000 grit abrasion marks and for reviving old paintwork.

- Suitable for all types of paint
- Low dust and silicon free
- For single-stage random orbital polishing or rotary polishing
- abrasiveness 3 / gloss level 6



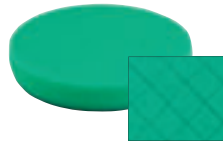
Sealing W 02/04

Liquid preservation

Perfect paintwork protection with Carnauba wax

- For new or freshly polished paintwork
- Can be painted over
- Contains no abrasive particles
- Protects, cares for and maintains high sheen
- Can be applied with the red manual applicator sponge or with the orange sponge and a polisher
- Protective effect 2 / smoothness 4

Sponges



Green sponge – PSX-G

The green sponge has a very hard foam with an innovative X-Cut surface that guarantees a constant and evenly high removal rate. The X-Cut texture reduces the building-up of heat. The foam is heat-resistant, tear-resistant and has very good endurance.



Violet sponge – PS-V

The violet sponge has a hard foam for optimum cooling and guarantees a constant and evenly high removal rate. The foam is heat-resistant, tear-resistant and has very good endurance.



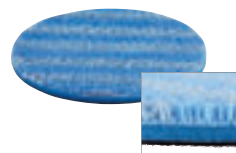
Orange sponge – PS-O

The orange sponge has a medium-hardness foam with a fine foam texture. The foam is heat-resistant, tear-resistant and has very good endurance.



Red sponge – PS-R

The red sponge has a very soft foam with a fine foam texture. The special PerfectTouch sandwich structure with an additional stronger white foam layer gives the sponge greater rigidity. This configuration increases the service life of the polishing disk.



Blue sponge – Microfibre polishing pad MC-PT 160

Especially for random orbital polishers, particularly those with a free-running pad. With these machines, a microfibre pad is more effective than a standard fleece pad for heavy cutting work. The microfibre pad is also equipped with the tried-and-tested PerfectTouch sandwich surface. This ensures good pressure distribution without softening the orbital movement.

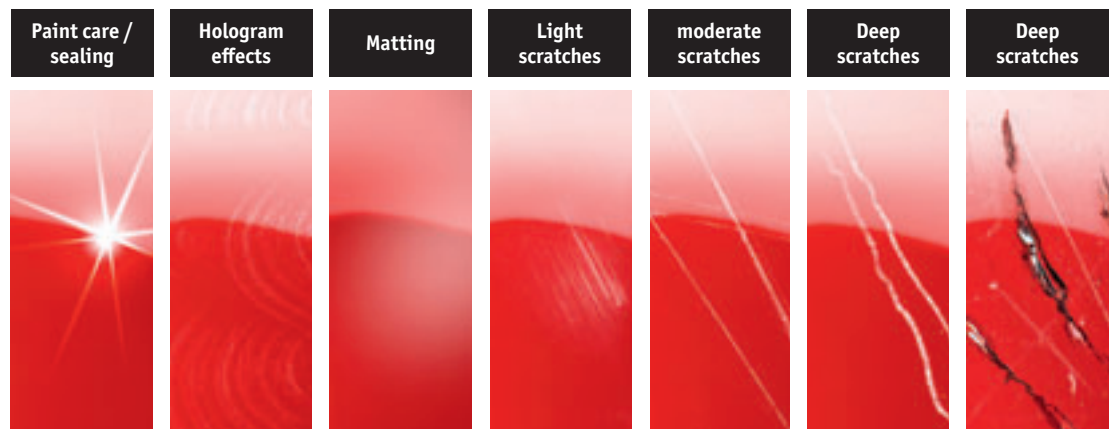


White wool polishing pad TW-PT

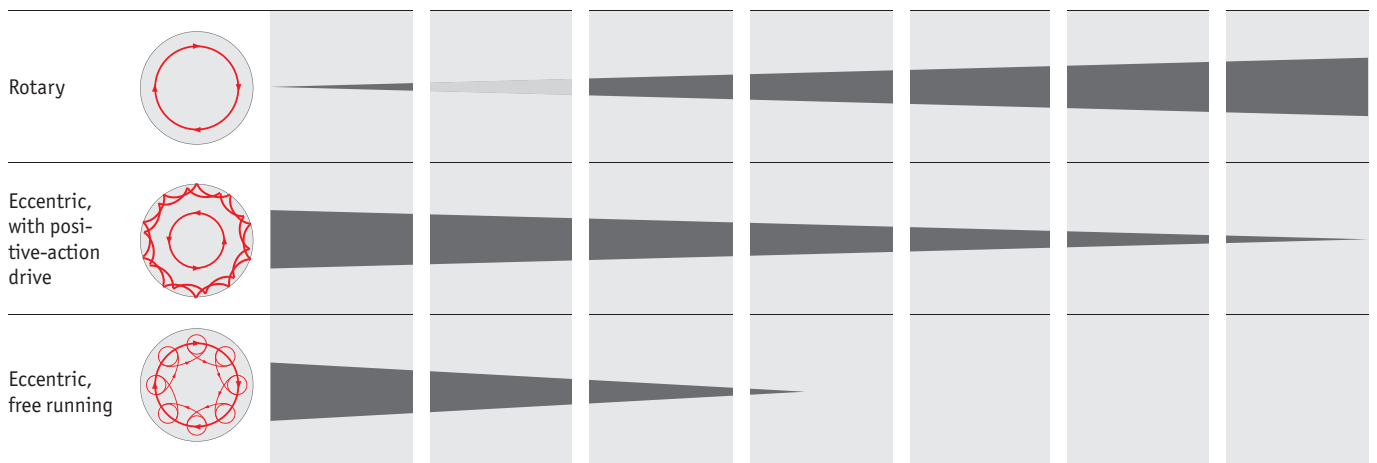
The TopWool pad is made of 90% natural wool and 10% polyester. This combination gives it a longer service life and more volume. The special PerfectTouch structure with the additional layer of orange foam gives the pad gentle cushioning and greater rigidity.

The right combination

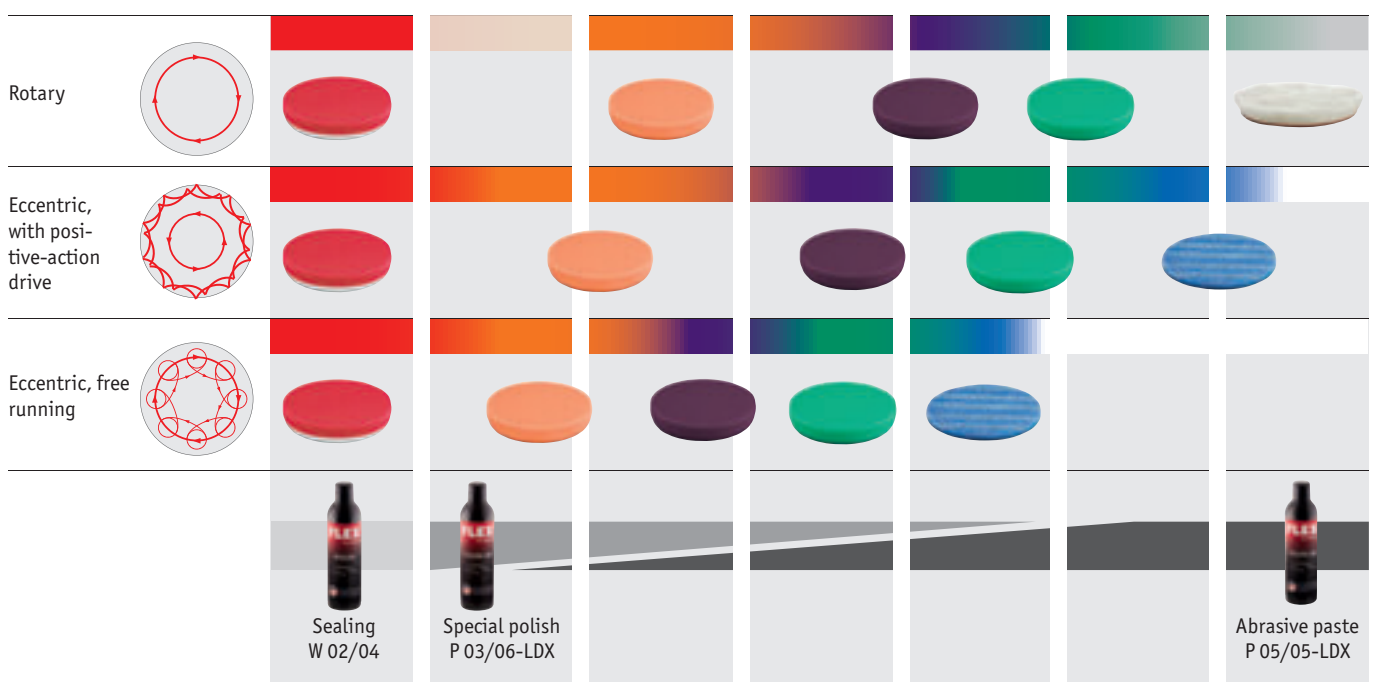
Damage



Fields of application of the drive types



Fields of application of the pads and polishes



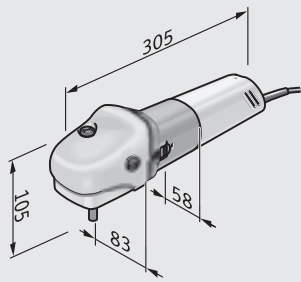
Polishers

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



Constant Drive Control



Speed Selection



Soft Start



Temperature Monitoring



Overload Protection



Spindle-lock



Side handgrip



4 m
Mains cable

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
- Spindle lock

Standard equipment

Order no.

PE 8-4 80	405.817
1 side handle	194.034



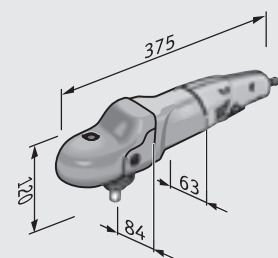
Ergonomic polisher with speed control trigger

- 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.
PE 14-3 125	406.813
1 side handle	252.721
PE 14-3 125 P-Set	407.569
1 side handle	252.721
1 velcro pad 125 Ø	350.737
1 polishing sponge PS-0 160	434.329
1 polishing sponge PS-V 160	434.469
1 polish P03/06-LDX 250 ml	443.298
1 polish P05/05-LDX 250 ml	443.271
1 microfibre polishing cloth MW-C	317.098

Polishers

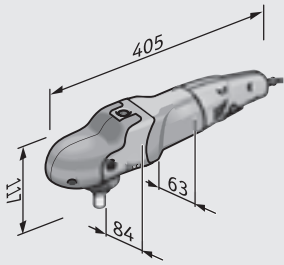
PE 14-2 150

PE 14-2 150 P-Set



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



POLISHFLEX, variable-speed polisher with a high torque

- Microprocessor electronics: 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 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.
- 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

Standard equipment	Order no.
PE 14-2 150	373.680
1 handle	252.721
PE 14-2 150 P-Set	376.175
1 handle	252.721
1 velcro backing pad, cushioned, Ø 150 mm	350.745
1 polishing sponge PS-O 160	434.329
1 polishing sponge PS-V 160	434.469
1 lambswool TW-PT 160	376.523
1 polish P03/06-LDX 250 ml	443.298
1 polish P05/05-LDX 250 ml	443.271
1 microfibre cloth MW-P	376.531
1 carrying case L-BOXX® 238	414.093
1 case insert	444.375

Accessories page 287



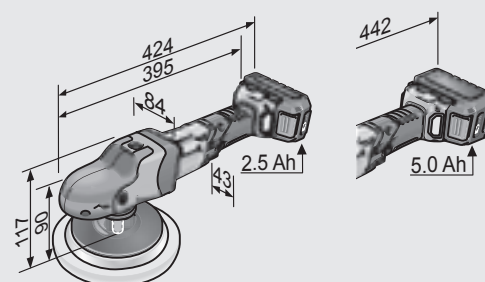
Cordless rotary polisher 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Brushless motor with greater efficiency and a longer service life
- LED battery capacity display
- Continuous speed control trigger: for a gentle start and a lock-on for continuous operation
- 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
- Polishes with low speed and high torque, e. g. for heat-sensitive surfaces
- Ideal for automotive, maritime and aviation applications



SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
No load speed	150-1450 rpm
Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Size (L x H)	395 x 117 mm
Weight without battery	1.9 kg

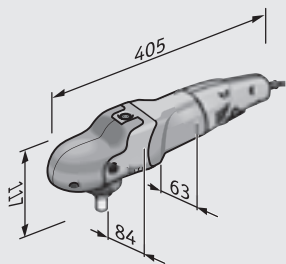


Standard equipment	Order no.
PE 150 18.0-EC	459.062
1 velcro pad 150 Ø	350.745
1 handle	252.721
1 carrying case L-BOXX® 238	414.093
1 case insert	459.534
PE 150 18.0-EC/5.0 Set	447.153
1 velcro pad 150 Ø	350.745
1 handle	252.721
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.534
PE 150 18.0-EC/5.0 P-Set	461.229
1 polishing sponge PS-0 160	434.329
1 polishing sponge PS-V 160	434.469
1 lambswool TW-PT 160	376.523
1 polish P03/06-LDX 250 ml	443.298
1 polish P05/05-LDX 250 ml	443.271
1 microfibre cloth MW-P	376.531
1 velcro pad 150 Ø	350.745
1 handle	252.721
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.534



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

- Microprocessor electronics: 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 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.
- 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



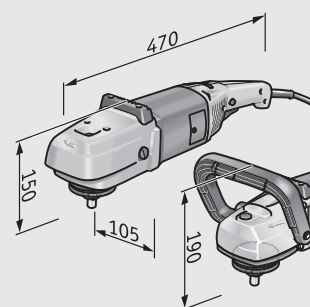
Variable-speed polisher with a high torque

- 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



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



Standard equipment	Order no.
L 602 VR	329.800
1 side handle	252.721
1 bail handle	287.709

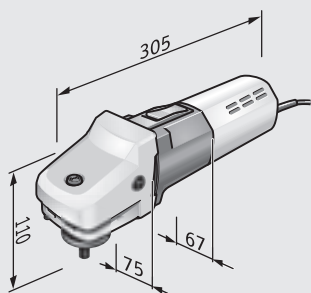
Polishers

L 1503 VR



SPECIFICATIONS

Max. polishing pad diameter	140 mm
Max. back-up pad diameter	125 mm
No load speed	1200-4900 rpm
Power input	1200 watt
Power output	700 watt
Cable length	4.0 m
Weight	1.9 kg



Constant Drive Control



Soft Start



Speed Selection



Overload Protection



Spindle-lock



Side handgrip



4 m
Mains cable

Polisher with a wide speed range

- Microprocessor electronics: 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

Standard equipment

Order no.

L 1503 VR	250.280
1 side handle	194.034



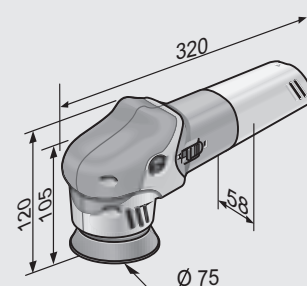
Roto random orbit polisher for small areas

- VR microprocessor control: with tachogenerator constant speed control, soft start, restart protection after power failure, overload protection, temperature monitoring and speed selection
- Free-spinning drive for hologram-free finishing
- 12 mm orbit for high efficiency
- 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.
- With rubberised resting bar for safe setting down
- Low heat generation on the surface makes it ideal for temperature-sensitive paints
- Especially suitable into the spot-repair area and for difficult shapes. Ideal auxiliary for larger polishers



SPECIFICATIONS

Max. polishing pad diameter	80 mm
Max. back-up pad diameter	75 mm
Orbit	12 mm
No load speed	1800-5500 rpm
Orbit rate, no load	3600-10800 opm
Power input	700 watt
Power output	420 watt
Size (L x H)	320 x 120 mm
Cable length	4.0 m
Weight	2.1 kg



Standard equipment	Order no.
XFE 7-12 80	447.129
1 special velcro backing pad, 75 Ø	454.141
XFE 7-12 80 P-Set	447.137
1 special velcro backing pad, 75 Ø	454.141
1 polishing sponge PSX-G 80	1 piece of 434.264
1 polishing sponge PS-O 80	1 piece of 434.302
1 polishing sponge PS-R 80	1 piece of 434.345
1 microfibre polishing cloth MW-C	317.098
1 polish P05/05-LDX 250 ml	443.271
1 sealing W02/04 250 ml	443.301
1 carrying case L-BOXX® 136	414.085
1 case insert	446.963

Polishers

XFE 7-15 125

XFE 7-15 125 P-Set

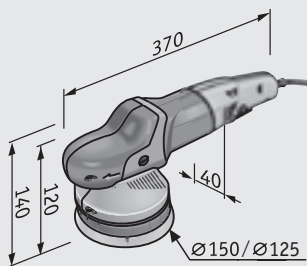
XFE 7-15 150

XFE 7-15 150 P-Set



SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
Orbit	15 mm
No load speed	1500-4500 rpm
Orbit rate, no load	3000-9000 opm
Power input	710 watt
Power output	420 watt
Size (L x H)	370 x 140 mm
Cable length	4.0 m
Weight	2.4 kg



Standard equipment	Order no.
XFE 7-15 125	476.919
1 special velcro backing pad, 125 Ø	442.445
XFE 7-15 150	418.080
1 special velcro backing pad, 150 Ø	437.077
XFE 7-15 125 P-Set	476.927
1 special velcro backing pad, 125 Ø	442.445
1 polishing sponge PS-O 140	434.310
1 polishing sponge PS-R 140	434.353
1 polish P03/06-LDX 250 ml	443.298
1 sealing W02/04 250 ml	443.301
1 microfibre polishing cloth MW-C	317.098
1 carrying case L-BOXX® 238	414.093
1 case insert	437.093
XFE 7-15 150 P-Set	447.110
1 special velcro backing pad, 150 Ø	437.077
1 polishing sponge PS-O 160	434.329
1 polishing sponge PS-R 160	434.361
1 polish P03/06-LDX 250 ml	443.298
1 sealing W02/04 250 ml	443.301
1 microfibre polishing cloth MW-C	317.098
1 carrying case L-BOXX® 238	414.093
1 case insert	437.093



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



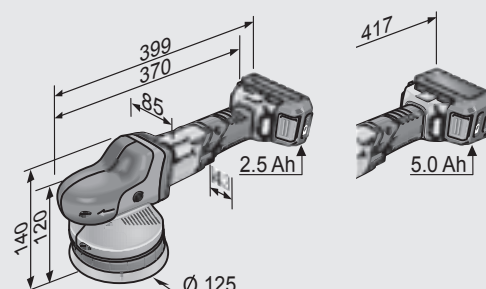
Cordless roto random orbit polisher 18.0 V

- Electronic management system (EMS) protects the machine, extends the service life, and increases efficiency
- Brushless motor with greater efficiency and a longer service life
- LED battery capacity display
- 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
- 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



SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
Orbit	15 mm
No load speed	2300-3800 rpm
Orbit rate, no load	4600-7600 opm
Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Size (L x H)	370 x 140 mm
Weight without battery	2.1 kg



Standard equipment	Order no.
XFE 15 125 18.0-EC	476.935
1 special velcro backing pad, 125 Ø	442.445
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526
XFE 15 125 18.0-EC/5.0 Set	476.943
1 special velcro backing pad, 125 Ø	442.445
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 case insert	459.526
1 carrying case L-BOXX® 238	414.093
XFE 15 125 18.0-EC/5.0 P-Set	476.951
1 special velcro backing pad, 125 Ø	442.445
1 polishing sponge PS-0 140	434.310
1 polishing sponge PS-R 140	434.353
1 polish P03/06-LDX 250 ml	443.298
1 sealing W02/04 250 ml	443.301
1 microfibre polishing cloth MW-C	317.098
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526

Polishers

XFE 15 150 18.0-EC

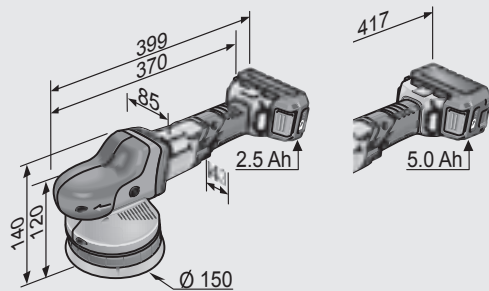
XFE 15 150 18.0-EC/5.0 Set

XFE 15 150 18.0-EC/5.0 P-Set



SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
Orbit	15 mm
No load speed	2300-3800 rpm
Orbit rate, no load	4600-7600 opm
Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Size (L x H)	370 x 140 mm
Weight without battery	2.1 kg



Cordless roto random orbit polisher 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
- LED battery capacity display
- 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
- 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 15 150 18.0-EC	459.089
1 special velcro backing pad, 150 Ø	437.077
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526
XFE 15 150 18.0-EC/5.0 Set	418.099
1 special velcro backing pad, 150 Ø	437.077
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 case insert	459.526
1 carrying case L-BOXX® 238	414.093
XFE 15 150 18.0-EC/5.0 P-Set	461.237
1 special velcro backing pad, 150 Ø	437.077
1 polishing sponge PS-0 160	434.329
1 polishing sponge PS-R 160	434.361
1 polish P03/06-LDX 250 ml	443.298
1 sealing W02/04 250 ml	443.301
1 microfibre polishing cloth MW-C	317.098
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526



Random orbital polisher with positive-action drive

- 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 polishing stroke, positive-action drive provides high abrasive power without creating any holograms
- Cushioned special hook and loop pad for polishing.
- Counterweight for smoother operation
- Basic tool for tackling the most common surface problems through to finishing without creating any holograms
- 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.
- Optimised air flow for optimum cooling of motor and gear. No annoying exhaust air for the user
- Low heat generation on the surface makes it ideal for temperature-sensitive paints



Constant Drive Control



Restart Protection



Soft Start



Speed Selection



Temperature Monitoring



Overload Protection



Hook and loop fasteners



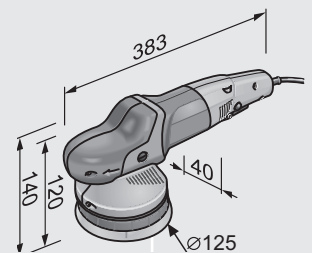
PUR 4m Mains cable



L-BOXX

SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
Orbit	8 mm
No load speed	140-430 rpm
Orbit rate, no load	2900-8600 opm
Power input	1010 watt
Power output	590 watt
Cable length	4.0 m
Weight	2.6 kg



Standard equipment	Order no.
XCE 10-8 125	418.072
1 special velcro backing pad, 125 Ø	442.445
XCE 10-8 125 P-Set	447.269
1 special velcro backing pad, 125 Ø	442.445
1 polishing sponge PS-0 140	434.310
1 polishing sponge PSX-G 140	434.272
1 polish P03/06-LDX 250 ml	443.298
1 polish P05/05-LDX 250 ml	443.271
1 microfibre polishing cloth MW-C	317.098
1 carrying case L-BOXX® 238	414.093
1 case insert	437.093

Polishers

XCE 8 125 18.0-EC

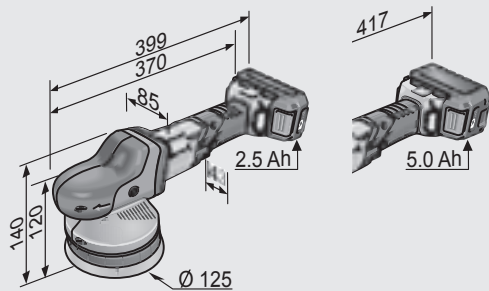
XCE 8 125 18.0-EC/5.0 Set

XCE 8 125 18.0-EC/5.0 P-Set



SPECIFICATIONS

Max. polishing pad diameter	160 mm
Max. back-up pad diameter	150 mm
Orbit	8 mm
No load speed	280-430 rpm
Orbit rate, no load	4600-7600 opm
Battery voltage	18 V
Battery capacity	2.5 / 5.0 Ah
Weight without battery	2.1 kg



Cordless random orbital polisher with positive-action drive 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
- LED battery capacity display
- 8 mm polishing stroke, positive-action drive provides high abrasive power without creating any holograms
- Cushioned special hook and loop pad for polishing.
- Counterweight for smoother operation
- Ideal for tackling the most common surface problems through to finishing without creating any holograms
- 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.
- Optimised air flow for optimum cooling of motor and gear. No annoying exhaust air for the user
- Low heat generation on the surface makes it ideal for temperature-sensitive paints





Standard equipment





Standard equipment	Order no.
XCE 8 125 18.0-EC	459.070
1 special velcro backing pad, 125 Ø	442.445
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526






XCE 8 125 18.0-EC/5.0 Set	438.413
1 special velcro backing pad, 125 Ø	442.445
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526







XCE 8 125 18.0-EC/5.0 P-Set	461.245
1 special velcro backing pad, 125 Ø	442.445
1 polishing sponge PS-0 140	434.310
1 polishing sponge PSX-G 140	434.272
1 polish P03/06-LDX 250 ml	443.298
1 polish P05/05-LDX 250 ml	443.271
1 microfibre polishing cloth MW-C	317.098
2 batteries 5.0 Ah AP 18.0/5.0	445.894
1 charger CA 10.8/18.0	417.882
1 carrying case L-BOXX® 238	414.093
1 case insert	459.526







Type	Description	Designation	Content / Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC
Polish 	Universal high-performance abrasive paste with maximum removal rate for maximum gloss. Sanding grooves of grain size P 1500 can be removed in seconds. Ideally suited for all paint types, including scratch-resistant paints, UV paints and for treating gliders and motorized aircraft, boat hulls, polycarbonate and wood finishing work. The polish is free of wax, silicone and odorant solvents. Minor holograms might be caused by rotary working on dark paints. These can be polished out with the polish P 03/06-LDX in conjunction with the orange polishing sponge PS-0. Abrasiveness 5 / gloss 5.	P 05/05-LDX	250 ml	1	443.271	■	■	■	■	■	■	■	■	■	■	■	■
Polish 	Special polish for removing scratches with a very deep sheen. Sanding grooves of grain size P 2000 can be removed in seconds. Ideal for all paint types, including scratch-resistant paints, UV paints and for freshening up colours in the case of old paints. Optimum results are achieved with eccentric 1-step working, and rotary working is of course also possible. The polish is silicone-free, produces little dust and can be easily rubbed in and wiped off. Abrasiveness 3 / gloss 6.	P 03/06-LDX	250 ml	1	443.298	■	■	■	■	■	■	■	■	■	■	■	■
Sealing 	Paintwork-compatible sealant for new and previously polished paints. It's Carnauba wax protects paint against environmental influences, provides care and protects the high sheen. The sealant can be applied both with a machine (rotary/eccentric) using the red polishing sponge PS-R and manually with the red application sponge PUK-R. It contains no abrasive particles and can be painted over. Protective effect 2 / smoothness 4.	W 02/04	250 ml	1	443.301	■	■	■	■	■	■	■	■	■	■	■	■
Microfibre polishing cloth, classic 	Seamless, washable. For gentle removal of polishing and sealing residues. For a perfect surface finish and brilliant deep gloss.	MW-C	400 x 400	1	317.098	■	■	■	■	■	■	■	■	■	■	■	■


Type	Description	Designation	Content/ Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC	
Microfibre polishing cloth, premium 	Thanks to the very high soft pile, residues can be picked up reliably and gently. This is what makes the microfibre cloth ideal for an optimum paint finish. It can also be used for car wash purposes. Long service life, washing machine safe (without softener).	MW-P	400 x 400	1	376.531	■	■	■	■	■	■	■	■	■	■	■	■	
Velcro-backed pad with gearwheel 	Damped special velcro pad for polishing, for smaller sponges, e.g. PS-W 140 mm. This sponge size is ideal for use in the spot repair area as well as on narrow surfaces, e.g. C-columns. On account of the special holders this pad is designed exclusively for the XC 3401 VRG.	BP-M D115 XC	115 Ø	1	386.715	-	-	-	-	-	-	-	-	-	-	-	-	
	Damped special hook and loop backing pad for sponges up to max. Ø 160 mm. The special fixing allows use of this pad only with the XC 3401 VRG.	BP-M D140 XC	140 Ø	1	342.637	-	-	-	-	-	-	-	-	-	-	-	-	-
Velcro pad, cushioned M 14 	12 mm cell rubber for even pressure distribution for grinding, polishing or sealing.	BP-M D35 M14	35 Ø	1	446.254	■	■	■	■	■	■	■	-	-	-	-	-	
		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 	Cushioned velcro pad, 10 mm PU medium hardness. The special pad mount means that the pad can be used only for the model XFE 7-12 80.	BP-M D75 XFE 7-12	75 Ø	1	454.141	-	-	-	-	-	-	-	■	-	-	-	-	
		BP-M D125 XFE/XCE	125 Ø	1	442.445	-	-	-	-	-	-	-	-	-	■	■	■	■
		BP-M D150 XFE/XCE	150 Ø	1	437.077	-	-	-	-	-	-	-	-	-	■	■	■	■
	Cushioned velcro pad, 10 mm PU medium hardness. The special pad mount means that the pad can be used only for the model XFE 7-15 / XFE-15, XCE.																	

Type	Description	Designation	Content/ Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC	
Extension set for rotary polisher 	Rotary polisher extensions to facilitate work in narrow and difficult to reach areas such as exterior mirrors, spoilers, bumpers, etc. Comprises three M14 anodized aluminium extensions in 50 mm, 80 mm, 120 mm and one M14 adapter for cordless screwdrivers. Shaft Ø 19 mm, width across flat SW 17, max. backing pad Ø 75 mm, max. polishing disc Ø 80 mm. Packaged in the practical Mini L-BOXX® with insert and separate compartment for the Swirl Finder SF 150-P LED light (not included).	EXS M14 Set		1 Set	458.813	■	■	■	■	■	■	■	-	-	-	-	-	
Polishing sponge 	The green sponge has a very hard foam with an innovative X-Cut surface that guarantees a constant and evenly high removal rate. The X-Cut texture reduces the building-up of heat. The foam is heat-resistant, tear-resistant and has very good endurance. Ideal for dealing with water droplets, orange peel, trapped dust, tar specks, scratches and bird droppings in conjunction with the P05/05-LDX.	PSX-G 40 VE2	40 Ø x 25	2	442.631	■	■	■	■	■	■	■	-	-	-	-	-	
		PSX-G 80 VE2	80 Ø x 25	2	434.264	■	■	■	■	■	■	■	■	-	-	-	-	-
		PSX-G 140	135 Ø x 25	1	434.272	-	■	■	■	■	■	■	■	-	■	■	■	■
		PSX-G 160	160 Ø x 25	1	434.280	-	■	■	■	■	■	■	-	-	■	■	■	■
		PSX-G 200	200 Ø x 25	1	434.299	-	-	■	-	■	■	-	-	-	-	-	-	-
Polishing sponge 	The violet sponge has a hard foam for optimum cooling and guarantees a constant and evenly high removal rate. The foam is heat-resistant, tear-resistant and has very good endurance. Ideal for dealing with water droplets, orange peel, trapped dust, tar specks, scratches and bird droppings in conjunction with the P05/05-LDX.	PS-V 40 VE2	40 Ø x 25	2	442.658	■	■	■	■	■	■	■	-	-	-	-	-	
		PS-V 80 VE2	80 Ø x 25	2	434.442	■	■	■	■	■	■	■	■	-	-	-	-	-
		PS-V 140	135 Ø x 25	1	434.450	-	■	■	■	■	■	■	■	-	■	■	■	■
		PS-V 160	160 Ø x 25	1	434.469	-	■	■	■	■	■	■	-	-	■	■	■	■
		PS-V 200	200 Ø x 25	1	436.410	-	-	■	-	■	■	-	-	-	-	-	-	-
Polishing sponge 	The orange sponge has a medium-hardness foam with a fine foam texture. The foam is heat-resistant, tear-resistant and has very good endurance. Ideal for dealing with holograms, matting, scratches and car wash traces in conjunction with the P 03/06-LDX.	PS-O 40 VE2	40 Ø x 25	2	442.666	■	■	■	■	■	■	■	-	-	-	-	-	
		PS-O 80 VE2	80 Ø x 25	2	434.302	■	■	■	■	■	■	■	■	-	-	-	-	-
		PS-O 140	135 Ø x 25	1	434.310	-	■	■	■	■	■	■	■	-	■	■	■	■
		PS-O 160	160 Ø x 25	1	434.329	-	■	■	■	■	■	■	-	-	■	■	■	■
		PS-O 200	200 Ø x 25	1	434.337	-	-	■	-	■	■	-	-	-	-	-	-	-

Type	Description	Designation	Content/ Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC	
Polishing sponge 	The red sponge has a very soft foam with a fine foam texture. The special PerfectTouch sandwich structure with an additional stronger white foam layer gives the sponge greater rigidity. This configuration increases the service life of the polishing disk. Ideal for dealing with holograms and slight matting in conjunction with the P 03/06-LDX, for paintwork care and sealing in conjunction with the W 02/04.	PS-R 40 VE2	40 Ø x 25	2	442.674	■	■	■	■	■	■	■	-	-	-	-	-	
		PS-R 80 VE2	80 Ø x 25	2	434.345	■	■	■	■	■	■	■	■	-	-	-	-	-
		PS-R 140	135 Ø x 25	1	434.353	-	■	■	■	■	■	■	■	-	-	■	■	■
		PS-R 160	160 Ø x 25	1	434.361	-	■	■	■	■	■	■	■	-	-	■	■	■
		PS-R 200	200 Ø x 25	1	434.426	-	-	■	-	■	■	■	■	-	-	-	-	-
Polishing sponge 	The red sponge for hand application is ergonomically shaped and has a very soft foam with a fine texture. It is ideally suited to working with sealants and care agents on painted and plastic surfaces, for hard-to-reach places or sensitive surfaces that are difficult to deal with by using a machine.	PUK-R 130	130 Ø	1	442.682	■	■	■	■	■	■	■	■	■	■	■	■	
Polishing sponge, yellow 	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	-	-	-	-	■	■	-	-	-	-	-	-	
Polishing sponge, white 	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	-	-	-	-	■	■	-	-	-	-	-	-	
Microfibre polishing pad 	Microfibre polishing pad for a high removal rate for use with eccentric polishers, especially with a free-running pad. For heavy cutting, this pad is more effective than a standard fleece pad. The special PerfectTouch sandwich structure with an additional stronger white foam layer gives the pad greater rigidity. It is not necessary to use an additional interface. Ideal for dealing with water droplets, orange peel, trapped dust, tar specks, scratches and bird droppings.	MC-PT 160	160 Ø x 10	1	434.434	-	-	-	-	-	-	-	-	■	■	■	■	

Type	Description	Designation	Content / Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC	
 <p>Velcro backed, classic</p>	<p>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.</p>	TW-C 150	150 Ø	1	342.521	-	■	■	■	■	■	-	-	-	-	-	-	
		TW-C 200	200 Ø	1	350.265	-	-	■	-	■	■	-	-	-	-	-	-	-
 <p>Polishing lambswool, premium</p>	<p>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.</p>	TW-PT 80	80 Ø	1	420.484	■	■	■	■	■	■	■	-	-	-	-	-	
		TW-PT 140	140 Ø	1	376.515	-	■	■	■	■	■	■	■	-	-	-	■	■
		TW-PT 160	160 Ø	1	376.523	-	■	■	■	■	■	■	■	-	-	-	■	■
 <p>Polishing fleece</p>	<p>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.</p>	WF-C 230	230 Ø	1	398.632	-	-	-	-	■	■	-	-	-	-	-	-	
 <p>Lambswool bonnet</p>	<p>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.</p>	WH-C 180	180 Ø	1	123.870	-	-	■	-	■	■	-	-	-	-	-	-	
 <p>Flexible backing pad</p>	<p>Backing pad from cellular rubber with rounded edges, for lambswool bonnet. Ensures for even pressure when polishing. M14 thread.</p>	BP D175 WH	175 Ø	1	123.862	-	-	■	-	■	■	-	-	-	-	-	-	
 <p>Backed fleece</p>	<p>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.</p>		125 Ø	1	122.726	-	■	■	■	■	■	-	-	-	-	-	-	
			175 Ø	1	122.734	-	-	■	-	■	■	-	-	-	-	-	-	-

Type	Description	Designation	Content / Dimensions in mm	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L 1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC
 <p>Spare fleece</p>	With fiber backing.		125 Ø	1	122.742	-	■	■	■	■	■	■	-	-	-	-	-
			175 Ø	1	122.750	-	-	■	-	■	■	-	-	-	-	-	-
 <p>Buffing wheel mount, M 14</p>			60	1	123.803	-	-	-	-	■	■	-	-	-	-	-	-
 <p>SoftVib side handle</p>	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	-	■	■	■	■	■	■	-	■	■	■	■
 <p>Swirl Finder Pocket Light</p>	LED light for easy control of surface conditions. Due to the colour temperature and reproduction, surface damage such as holograms, scratches etc. become better visible. Light intensity 140 lumens and adjustable focus with a beam angle of 10° -70°, lighting time approx. 2 hours incl. batteries.	SF 150-P	190 x 58 x 43	1	463.302	■	■	■	■	■	■	■	■	■	■	■	■
 <p>Carrying bag for polisher</p>	Practical mobile carry bag offer lots of room for machine and accessories, with variable pockets.	TB-L 460x260x300		1	333.573	■	■	■	-	■	-	■	■	■	-	■	-
 <p>Carrying case L-BOXX</p>	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, with additional front handle.	TK-L 136		1	414.085	■	-	-	-	-	-	■	-	-	-	-	-

Type	Description	Designation	QP	Order no.	PE 8-4 80	PE 14-3 125	PE 14-2 150	PE 150 18.0-EC	PE 14-1 180	L 602 VR	L1503 VR	XFE 7-12 80	XFE 7-15 125/150	XFE 15 125/150 18.0-EC	XCE 10-8 125	XCE 8 125 18.0-EC
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-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 PE 14-2 150 for carry case L-BOXX® 238.	TKE PE14	1	444.375	-	-	■	-	■	-	-	-	-	-	-	-
	Matching insert for PE 150 18.0-EC for carry case L-BOXX® 238.	TKE PE 150 18.0 EC	1	459.534	-	-	-	■	-	-	-	-	-	-	-	-
	Suitable insert for carrying case L-BOXX® 136 for the XFE 7-12 80 / PE 8-4 80 and accessories.	TKE XFE 7-12/PE 8-4	1	446.963	■	-	-	-	-	-	-	■	-	-	-	-
	Suitable insert for carrying case L-BOXX® 238 for the XFE 7-15 150, XCE 10-8 125 and accessories.	TKE XFE/XCE	1	437.093	-	-	-	-	-	-	-	-	■	-	■	-
	Matching insert for XFE 15 150 18.0-EC, XCE 8-125 18.0-EC for carry case L-BOXX® 238.	TKE XFE 18.0 EC	1	459.526	-	-	-	-	-	-	-	-	-	■	-	■



Stone working

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.

Contents

Wet stone polisher	298
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Stone cutter	306
Accessories	307

NEW PRODUCTS



LW 1202 N
Wet stone polisher







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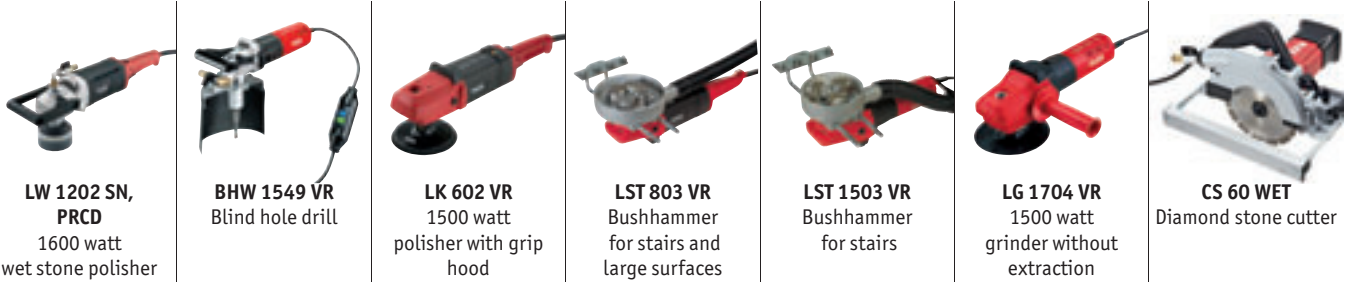
LW 1202 SN
Wet stone polisher

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Overview of power tools

						
	LE 12-3 100 WET 1150 watt wet stone polisher	L 12-3 100 WET 1150 watt wet stone polisher	LE 12-3 100 WET, PRC D 1150 watt wet stone polisher	L 12-3 100 WET, PRC D 1150 watt wet stone polisher	LW 802 VR 1800 watt wet stone polisher	LW 1202 N 1600 watt wet stone polisher
Power input in watts	1150	1150	1150	1150	1800	1600
No load speed rpm	1200 - 3700	3700	1200 - 3700	3700	800 - 2400	1750
Max. polishing pad diameter mm	115	115	115	115	130	130
Tool fixture	M 14	M 14	M 14	M 14	M 14	M 14
Electric safety/ main connection	contour plug	contour plug	GFCI circuit breaker	GFCI circuit breaker	contour plug	contour plug
Weight in kg	2.4	2.4	2.4	2.4	4.3	4.8
	Page 298	Page 298	Page 298	Page 298	Page 299	Page 300





1600	1200	1500	1800	1200	1500	1400
1750	3500 - 10000	800 - 2400	800 - 2400	800 - 2400	1400 - 4200	6200
130	-	220	-	-	178	-
M 14	M 14	M 14				
GFCI circuit breaker	GFCI circuit breaker					GFCI circuit breaker
4.8	3.3	3.5	7.2	5.9	2.7	4.5
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Stone working

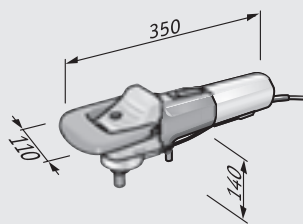
LE 12-3 100 WET / PRCD

L 12-3 100 WET / PRCD



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/L12-3 100 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
- 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 LE 12-3 100 WET (PRCD)

- GFCI operator protector circuit breaker: integrated in cord
- Microprocessor electronics: with tachogenerator constant speed control, soft start, overload protection and speed selection

For L 12-3 100 WET (PRCD)

- Microprocessor electronics: 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 307



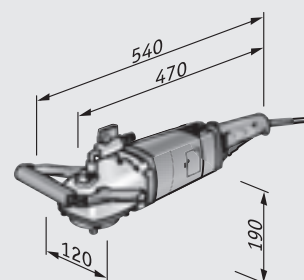
1800 watt wet stone polisher with plug for isolating transformer, 130 mm

- 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.
LW 802 VR	258.597
1 bail handle	263.397
1 open-ended wrench SW 17	106.461

Stone working

LW 1202 N

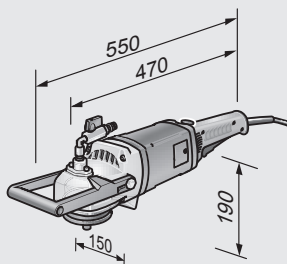
LW 1202 SN



NEW

SPECIFICATIONS

Max. polishing pad diameter	130 mm
No load speed	1750 rpm
Power input	1600 watt
Power output	1030 watt
Tool fixture	M 14
Cable length	4.0 m
Weight	4.8 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
- Ceramic-coated transmission shaft for optimum wear and rust protection
- Quick-fit brass coupling: for 1/2" water hose

For LW 1202 SN, PRCD

- For portable use without an isolating transformer

Standard equipment

Order no.

LW 1202 N	477.761
LW 1202 SN, PRCD	477.788
1 bail handle	258.639
1 open-ended wrench SW 17	106.461

Accessories from page 307

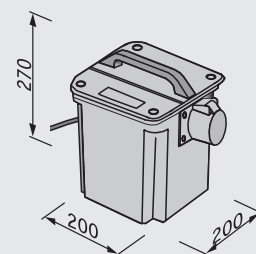


Isolating transformer

- 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

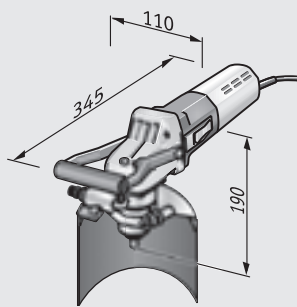


Standard equipment	Order no.
TT 2000	373.370



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

- Microprocessor electronics: 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.**

BHW 1549 VR	299.197
1 bail handle	236.934
1 open-ended wrench SW 17	106.461
1 splash guard	255.171
1 metal carrying case	273.686



Bushhammer for stairs and large surfaces

- Microprocessor electronics: 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

Bushhammer for stairs

- Microprocessor electronics: 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



SPECIFICATIONS

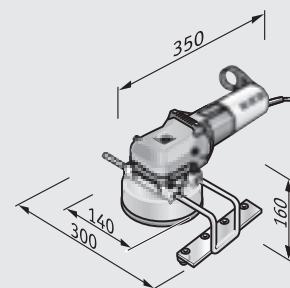
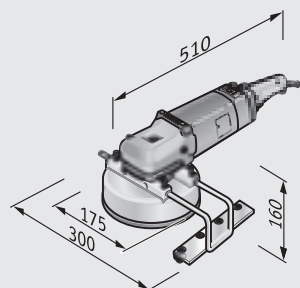
LST 803 VR

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

SPECIFICATIONS

LST 1503 VR

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



Standard equipment

Order no.

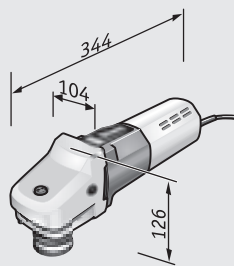
LST 803 VR	259.639
1 stop, complete	259.193
1 carbide tipped complete 140 Ø	261.654
1 hexagon socket wrench, SW 5	115.460
1 extraction adapter	340.790
Vacuum hose extension	296.953

LST 1503 VR	259.229
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



SPECIFICATIONS

Max. disc diameter	178 mm
No load speed	1400-4200 rpm
Power input	1500 watt
Power output	1000 watt
Tool fixture	M 14
Cable length	4.0 m
Weight	2.7 kg



1500 watt grinder without extraction, 178 mm

- Highly efficient and resilient motor for more power output
- Microprocessor electronics: 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

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



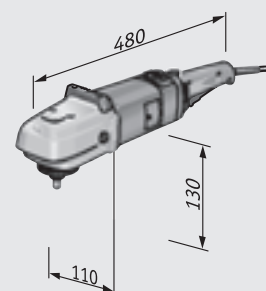
Polisher with grip hood

- 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



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

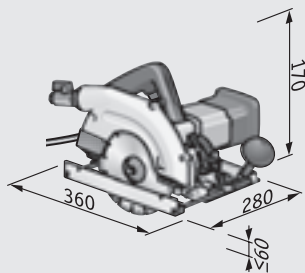


Standard equipment	Order no.
LK 602 VR	258.580
1 side handle	252.721



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
- This machine is also available in 110 V

Standard equipment	Order no.
CS 60 WET	374.016
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

Type	Description	Designation	Dimensions in mm	Grit / Depth in mm	Colour / Length in mm	QP	Order no.	L/LE 12-3 100 WET	LW 802 VR	LW 1202 N / LW 1202 SN	BHW 1549 VR	LST 803 VR	LST 1503 VR	LG 1704 VR	LK 602 VR	
Dia-Jet velcro diamond discs wet (single) 	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 life and high mechanical resilience.		100 Ø	K 60	dark green	1	253.815	■	■	■	-	-	-	-	-	
			100 Ø	K 100	blue	1	253.816	■	■	■	-	-	-	-	-	-
			100 Ø	K 200	light green	1	253.817	■	■	■	-	-	-	-	-	-
			100 Ø	K 400	yellow	1	253.818	■	■	■	-	-	-	-	-	-
			100 Ø	K 800	orange	1	253.819	■	■	■	-	-	-	-	-	-
			100 Ø	K 1500	red	1	253.820	■	■	■	-	-	-	-	-	-
			100 Ø	K 3000	brown	1	253.821	■	■	■	-	-	-	-	-	-
			100 Ø	K 10000	black	1	253.822	■	■	■	-	-	-	-	-	-
Dia-Jet velcro diamond discs wet in a set 	Set with 5 grains. For grinding and polishing.		100 Ø	K 100 - 1500		5	253.823	■	■	■	-	-	-	-	-	
Velcro pad, soft 	For secure attachment of the velcro diamond discs. M 14 connection.		100 Ø			1	253.814	■	■	■	-	-	-	-	-	
Adapter plate 	For grinding rings with quick-action coupling. Thread M14. With rubber cushioning.		100 Ø			1	126.098	■	■	■	-	-	-	-	-	
Grinding rings 	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	■	■	■	-	-	-	-	-	
Diamond hollow hole drill bits 	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 drill bit 	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	■	-	-	■	-	-	-	-	

Type	Description	Designation	Dimensions in mm	Grit	QP	Order no.	L/LE 12-3 100 WET	LW 802 VR	LW 1202 N / LW 1202 SN	BHW 1549 VR	LST 803 VR	LST 1503 VR	LG 1704 VR	LK 602 VR	
Diamond sanding pad 	For use with velcro sanding disc 115 Ø. Sanding pads for dry grinding, 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									
		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									
		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										
	Velcro backing pad Ø 115, Bowl	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	-	-	-	-	-	-	-	■
	Velcro pad, cushioned M 14 	12 mm cell rubber for even pressure distribution for grinding, polishing or sealing cover up to 10.000 rpm. Not for LE 14-11 125/LBE 17-11 125.	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	-	-	-	-	■	■	-	-	

for
RETECFLEX
RE 14-5 115
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for
SUPRAFLEX
SE 14-2 125/150
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Type	Description	Designation	Dimensions in mm	Length in mm	QP	Order no.	CS 60 WET
Diamond cutting disc 	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 	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 	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 	Replacement parts for GRS 80/160 guide rails	End caps for GRS (VE 2)			2	364.967	■
Antislip profile 	Replacement parts for GRS 80/160 guide rails	Antislip profile 6.8 m for GRS			6.8 m	366.854	■
Anti-splinter guard 	Replacement parts for GRS 80/160 guide rails	Anti-splinter device 3.4 m for GRS			3.4 m	366.846	■
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-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 carry case L-BOXX® 238.	TKE CS 60 Wet II			1	436.771	■

Transport systems

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 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 – 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

External dimensions L x W x H (mm)	442 x 357 x 117
Internal dimensions L x W x H (mm)	378 x 313 x 71
Weight (kg)	2.1
Order no.	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.

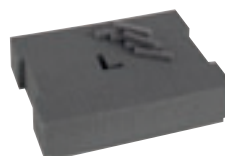
Dimensions L x W x H (mm)	646 x 492 x 182
Weight (kg)	3.8
Order no.	419.400



TK-L 136

→ the right inserts page 312

External dimensions L x W x H (mm)	442 x 357 x 151
Internal dimensions L x W x H (mm)	378 x 311 x 107
Weight (kg)	2.2
Order no.	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

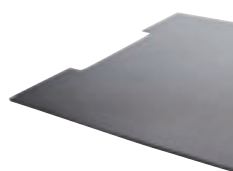
Order no.	419.370
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TK-L 238

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External dimensions L x W x H (mm)	442 x 357 x 253
Internal dimensions L x W x H (mm)	378 x 306 x 209
Weight (kg)	2.8
Order no.	414.093



Anti slip insert L-BOXX®

Soft insert mat made of rubber suitable for the L-BOXX®. Protects the box and the material on the floor from damage during transportation.

		TKE-AR 238	TKE-AR 374
Dimensions L x W x H (mm)		378 x 306 x 3	378 x 296 x 3
Order no.		419.389	419.397



TK-L 374

External dimensions L x W x H (mm)	442 x 357 x 389
Internal dimensions L x W x H (mm)	378 x 296 x 345
Weight (kg)	3.4
Order no.	414.107



Which machine fits where?



L-BOXX® TK-L 136

Machine	Insert	Part No. Insert	Part No. L-BOXX®
L 8-11 115	TKE 1 HD	414.204	414.085
L 8-11 125	TKE 1 HD	414.204	414.085
LE 9-11 125	TKE 1 HD	414.204	414.085
L 10-11 125	TKE 1 HD	414.204	414.085
L 1506 VR	TKE 1 HD	414.204	414.085
L 14-11 125	TKE 1 HD	414.204	414.085
LE 14-11 125	TKE 1 HD	414.204	414.085
LE 14-7 125	TKE 1 HD	414.204	414.085
LB 17-11 125	TKE 1 HD	414.204	414.085
LBE 17-11 125	TKE 1 HD	414.204	414.085
BRE 8-4 9	TKE BRE 8-4/ FBE 8-4	457.337	414.085
FBE 8-4 140	TKE BRE 8-4/ FBE 8-4	457.337	414.085
L 125 18.0	TKE L125 18.0-EC	444.405	414.085
DD 2G 18.0	TKE DD/PD/ID/IW 18.0	423.238	414.085
PD 2G 18.0	TKE DD/PD/ID/IW 18.0	423.238	414.085
ID 1/4" 18.0	TKE DD/PD/ID/IW 18.0	423.238	414.085
IW 1/2" 18.0	TKE DD/PD/ID/IW 18.0	423.238	414.085
ID 1/4" 18.0-EC	TKE DD/PD/ID/IW 18.0	423.238	414.085
DD 2G 10.8 LD	TKE DD/PD 2G 10.8-EC	440.841	414.085
DD 2G 10.8-EC	TKE DD/PD 2G 10.8-EC	440.841	414.085
PD 2G 10.8-EC	TKE DD/PD 2G 10.8-EC	440.841	414.085
DD 2G 18.0-EC	TKE DD/PD 2G 18.0-EC	454.125	414.085
PD 2G 18.0-EC	TKE DD/PD 2G 18.0-EC	454.125	414.085
DW 45 18.0-EC	TKE DW 45 18.0-EC	466.840	414.085
Accessories Ø 150 mm	TKE 4x D150	407.704	414.085
OSE 80-2	TKE OSE/ODE/ORE 125	412.198	414.085
ODE 100-2	TKE OSE/ODE/ORE 125	412.198	414.085
ORE 125-2	TKE OSE/ODE/ORE 125	412.198	414.085
FHE 2-22 SDS-plus	TKE CHE2-28/FHE2-22	414.042	414.085
CHE 2-28 R SDS-plus	TKE CHE2-28 R	469.033	414.085
XFE 7-12 80	TKE XFE 7-12/PE 8-4	446.963	414.085
PE 8-4 80	TKE XFE 7-12/PE 8-4	446.963	414.085
Accessories Ø 130 mm + compartment	TKE 4xD130/1x135x295	414.166	414.077



L-BOXX® TK-L 238

Machine	Insert	Part No. Insert	Part No. L-BOXX®
BSE 14-3 100	TKE BSE/BRE14-3	433.918	414.093
BRE 14-3 125	TKE BSE/BRE14-3	433.918	414.093
BSE 14-3 INOX	TKE BSE/BRE14-3	433.918	414.093
BBE 14-3 110	TKE BBE	451.991	414.093
LLK 1503 VR	TKE LLK1503	436.658	414.093
CHE 18.0-EC	TKE CHE 18.0-EC	435.945	414.093
RS 18.0	TKE RS 18.0	423.246	414.093
RSP DW 18.0-EC	TKE RSP DW 18.0-EC	468.282	414.093
SE 14-2 125 Set	TKE SE 14-2 125/150	414.158	414.093
SE 14-2 150 Set	TKE SE 14-2 125/150	414.158	414.093
ORE 150-3	TKE ORE 150	407.895	414.093
ORE 150-5	TKE ORE 150	407.895	414.093
RE 14-5 115 Kit	TKE RE 14-5	414.182	414.093
LD 15-10 125	TKE LD 15-10 125	414.131	414.093
LD 15-10 125 R	TKE LD 15-10 125	414.131	414.093
F 1109	TKE F1109	434.248	414.093
CHE 4-32 R-SDS plus	TKE CHE4-32 R	469.041	414.093
PE 14-2 150	TKE PE14	444.375	414.093
PE 150 18.0-EC	TKE PE 150 18.0 EC	459.534	414.093
XFE 7-15 150	TKE XFE/XCE	437.093	414.093
XCE 10-8 125	TKE XFE/XCE	437.093	414.093
XCE 8 125 18.0-EC	TKE XFE 18.0 EC	459.526	414.093
XFE 15 150 18.0-EC	TKE XFE 18.0 EC	459.526	414.093
XFE 7-15 125	TKE XFE/XCE	437.093	414.093
XFE 15 125 18.0-EC	TKE XFE/XCE	437.093	414.093
CS 60 WET	TKE CS 60 Wet II	436.771	414.093
CS 62 18.0-EC	TKE CS 62 18.0-EC	459.380	414.107



Carrying bag



Machine	Insert head	Part No. Insert	Insert handle	Part No. Insert	Part No.	Carrying bag
WST 1000 FV					408.867	TB-L 1560x320x360
WST 700 VV					408.867	TB-L 1560x320x360
GE 5	TBE-T G	408.735	TBE-B G	408.743	408.867	TB-L 1560x320x360
GE 5 R	TBE-T G	408.735	TBE-B G	408.743	408.867	TB-L 1560x320x360
GE 7					408.867	TB-L 1560x320x360
GSE 5 R	TBE-T G	408.735	TBE-B G	408.743	415.189	TB-L 1210x320x360

Polisher bags



Machine	Part No.	Carrying bag
PE 14-1 180, PE 14-2 150, PE 14-3 125, PE 8-4 80	333.573	TB-L 460x260x300
XFE 7-15 150, XFE 7-15 125, XFE 7-12 80	333.573	TB-L 460x260x300
XCE 10-8 125	333.573	TB-L 460x260x300
L 1503 VR	333.573	TB-L 460x260x300

Carrying case



Machine	Insert head	Part No. Insert	Insert handle	Part No. Insert	Part No.	Carrying case
LD 18-7 125 R					444.391	TK-S L230/LD180/LD150
LD 18-7 150 R					444.391	TK-S L230/LD180/LD150
LD 24-6 180					444.391	TK-S L230/LD180/LD150
LE 14-7 125	TKE LE14-7 INOX	367.206			367.192	TK-L 530x375x130
RS 11-28					436.607	TK-S RS 11-28
RS 13-32					455.059	TK-S RS13-32
RSP 13-32					455.059	TK-S RS13-32
L 21-6 230					444.391	TK-S L230/LD180/LD150
L 21-8 180					444.391	TK-S L230/LD180/LD150
L 24-6 230					444.391	TK-S L230/LD180/LD150
WST 1000 FV					389.986	TK-S WST/WSE 7
WST 700 VV+WSE 7					389.986	TK-S WST/WSE 7
WSE 7	TKE-T WSE7	383.902	TKE-B WSE7	383.899	366.641	TK-L 609x409x201
MS 1706 FR					327.034	TK-S MS1706FR
DH 5 SDS-max					402.583	TK-S DH 5 SDS max

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

Internet: 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

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: advanced 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.

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Product features

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



Long-Life Motor

Newly developed generation of motors. Heavy duty, with optimised ventilation and brush geometry for a long service life.



CDC Constant-speed electronics

A tachogenerator prevents the speed decreasing when under load.



Restart protection

Prevents the tool from accidentally starting up after a power failure.



Soft start

Gentle increase in speed provides greater occupational safety and improved handling.



Variable Speed

Always operates at the optimum speed for every application.



Overheating protection

Sensor-controlled temperature monitoring: The tool switches off when it is in danger of overheating.



Overload protection

The tool switches off in the event of an overload.



Brake

The mechanical brake stops the tool.



Anti-Kick Back

Prevents the tool from kicking back if it jams.



Reduced Vibration

For fatigue-free working.



Saw blade pendulum action

Pendulum action selectable. Useful for fast sawing in wood.



Tool-free tool change

Easy tool change without the need for additional tools.



Spindle lock

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



FixTec quick-lock nut

Tool-free disc change.



Chuck change

Tool free removable.



Bail handle

Additional bail handle for a more comfortable grip.



Side handgrip

Hand grip optionally on left or right side.



SoftVib hand grip

Vibration cushioning hand grip, preventing strain on the wrists.



Rear handle, rotatable

Rotatable rear handle by 90°.



Hook and loop fasteners

Quick grip for attaching abrasives – without adhesives or clamping.



Central water feed

For wet-grinding granite and marble.



Quick-fit coupling

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



GFCI operator protector circuit breaker

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



Dust extraction

Extractor connection



Antistatic equipment

Discharge function prevents static charging.



Suction hose

Suction hose length.



Automatic main filter cleaning

Time-controlled filter cleaning. Enables constantly high suction power.



Manual main filter cleaning

Manual filter cleaning. Enables constantly high suction power.



Container volume

Max. gross filling volume.



Dust class L

Classification for dust-removing machines.



Dust class M

Classification for dust-removing machines.



Dust class H

Classification for dust-removing machines.



Max. power consumption

ECO – economic, highly efficient fan motor.



Dry suction function

Sucking up non-flammable and non-explosive dust/dirt.



Wet suction function

Sucking up non-flammable and non-toxic liquids.



Connected load

Socket from 100 Watt to ... for connecting power tools.



Vacuum/Pascal

Details in Pascal.



Mains cable

Cable length



Mains cable

Mains cable PUR



Mains cable

Mains cable with flex red plug.



Lithium-ion technology

No self-discharge, no memory effect.



Battery voltage

Details in Volt.



Battery voltage

Details in Volt.



EC-Motor Technology

The brushless motors for optimum performance.



L-BOXX®

FLEX transport and organisation system.



Carrying case

Rugged metal or plastic case.



Carrying bag

Sturdy, cushioned, robust and light transport bag.

www.flex-tools.com

FLEX
Das Original

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www.flex-tools.com

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errors and misprints.