

Floor Grinding & Floor Prep Machines, Tools & Accessories

English



TYROLIT GROUP 2

The Tyrolit Group

Tyrolit is one of the world's leading manufacturers of grinding and dressing tools, as well as a system provider for the construction industry. For over 100 years, our innovative tools and solutions have played a crucial role in technological advancements across various industries.

With roots in the heart of the Austrian Alps, Tyrolit combines the strengths of family values with a global vision and over a century of individual corporate and technological experience.

We aim to impress both internal and external target groups and foster fair, enduring partnerships. In pursuit of our goals, we consistently optimise the quality of our products and services while continuously adjusting our business processes to meet evolving market demands.



Tyrolit headquarters in Schwaz (Austria)

Facts & figures



80,000+ standard products



30+ global production sites



4,500+ valued employees



140+ countries within our reach



500+
patents worldwide

Floor grinding solutions from Tyrolit

The Tyrolit range of floor grinding products includes system solutions for the perfect grinding and polishing of new floors, for refinishing including the removal of stubborn surface coatings (e.g. adhesive) as well as for the maintenance of concrete and stone floors.

The grinding tools are available in graduated grit sizes and can be combined easily and flexibly depending on the surface. The tools are available for both the Tyrolit machine range as well as for machines from other manufacturers.

Floor grinding in a nutshell

For a new floor, the first step is to grind the raw, dried out floor using metal-bond diamond tools of different grit sizes. Then resin or ceramic-bond tools are used for finer grinding and polishing. After each grinding step, the excess material/sludge/dust is removed.

Various chemicals are used at certain stages of the floor grinding process. Depending on the desired surface characteristics, more or fewer grinding and polishing steps with different tools are needed.



Floor Grinding & Floor Prep Machines

Floor Grinders



FGE780

Grinding width 780 mm 15 kW 3 or 4 grinding heads / auto feed or remote version



FGE625

Grinding width 625 mm 11 kW 3 grinding heads



FGE515

Grinding width 515 mm 2.2 kW/4.0 kW 3 grinding heads 1 phase / 3 phases



FGE450B

Grinding width 450 mm 2.2 kW 3 grinding heads

Floor Strippers



FGE400B

Grinding width 400 mm 4.0 kW

1 grinding head Single or variable speed



FGE280B

Grinding width 280 mm 2.2 kW Edge-grinding



FRE250

Working width 250 mm 1.1 kW Directly driven impact mechanism



FRE350

Working width 350 mm 1.5 kW Directly driven impact mechanism

Grinding and Floor Milling Machines



FGP640UF

Max. working width 640 mm 18.5 kW Plunging depth up to 25 mm



FPE200 / FPG200

Working width 200 mm 2.2 kW/3.0 kW/5.5 HP Optional edge-milling kit



FPG250/DU

Working width 250 mm 7.5 kW/9 HP/13 HP Integrated drive unit (FPE250DU/FPG250DU)



FPE320/LC| FPG320

Working width 320 mm 15 kW/18.5 kW/31 HP Integrated drive unit

Shot Blasters



FBE200

Working width 200 mm 7.5 kW Optional extension module



FBE300

Working width 300 mm 11 kW



FBE350

Working width 350 mm 15 kW Optional extension module

Dust Extraction Systems



VCE1200D

- 1-phase 1.2 kW

HEPA filter

H-Class / HEPA filters



VCE2400D

- 1-phase 2.4 kW
- H-Class / HEPA filters



VCE3600D

- 1-phase 3.6 kW
- H-Class / HEPA filters



VCE7500RC

Integrated drive 7.5 kW

Recommended for FGP640UF







3-phase 5.5 kW

HEPA filter optional



3-phase 3 kW HEPA filter optional



Floor grinder FGE780

Max. grinding width 780 mm





User-friendly operation thanks to the digital control panel and ergonomic guide handles



Innovative gear concept for maximum productivity with 3- or 4-grinding discs



Available in two versions: self-propelled or remote controlled

The FGE780 is a professional and extremely powerful floor grinder for surface preparation and floor polishing of large surfaces. The innovative gear concept guarantees the highest level of productivity, while at the same time requiring minimal maintenance. The planetary drive system with 3 or 4 grinding discs ensures a perfectly even and economical grinding result. Simple, intuitive operation is achieved

by the digital control panel with a display. Furthermore, the built-in water tank together with external water connection also allows wet grinding and, thus, expands the floor grinder's range of applications. Its efficient dust extraction system ensures a clean, low-dust working environment. The floor grinder is available in different versions: self-propelled or remote-controlled.

System & Accessories

Technical data

Floor grinder	3 grinding heads: FGE780S3 (self-propelled) FGE780R3 (remote-controlled)	4 grinding heads: FGE780S4 (self-propelled) FGE780R4 (remote-controlled)
Item no.	11004300 11004500	11004400 11004600
Voltage / Frequency	400 V	/ 50 Hz
Max. grinding width	780	mm
Grinding discs	3 x 290 mm	4 x 290 mm
Nominal power	15	kW
Nominal current	28	3 A
Speed grinding discs	300-9	00 rpm
Grinding pressure	230 / 307	7 / 374 kg
Motor cooling	А	ir
Application	Dry .	/ wet
Water tank	111	
Tool attachment	quickly exchangeable	
Max. number of tools	3 x 6 pieces	4 x 6 pieces
Hose connection	3" camlock Typ F (male)	
Design		
Planetary gear drive		•
Additional weights 2 x 50 kg		•
Water tank and external water connection		•
Integrated headlights		•
Control panel with display		•
3 or 4 grinding discs		•
Self-propelled or remote controlled version		•
Dimensions & weight		
Length	2320) mm
Width	810	mm
Height	1200) mm
Weight	580) kg

System & Accessories

34567448	1 piece tool holder Ø 290 mm for 6 tools 1 set of 3 or 4 pieces is needed
34640832	1 piece velcro tool holder Ø 290 mm without foam rubber padding 1 set of 3 or 4 pieces is needed
34677773	1 piece velcro tool holder Ø 290 mm with foam rubber padding 1 set of 3 or 4 pieces is needed
34677777	1 piece flexible rubber pad Ø 290 mm with velcro on both sides 1 set of 3 or 4 pieces is needed Accessorie for the velcro tool holder Ø 290 mm (34640832)
34677775	1 piece flexible foam rubber pad Ø 290 mm with velcro on both sides 1 set of 3 or 4 pieces is needed Accessorie for the velcro tool holder Ø 290 mm (34640832)
34687078	1 piece velcro lippage holder Ø 80 mm 9 to 24 pieces are needed Accessorie for the tool holder Ø 290 mm (34567448)

Service contracts

11010010	FGE780S3 / FGE780S4
	BASIC service contract
11010011	FGE780S3 / FGE780S4
	STANDARD service contract
11010012	FGE780S3 / FGE780S4
	PREMIUM service contract
11010013	FGE780R3 / FGE780R4
	BASIC service contract
11010014	FGE780R3 / FGE780R4
	STANDARD service contract
11010015	FGE780R3 / FGE780R4
	PREMIUM service contract

IMPORTANT: Machine is supplied without tool holder and tools



Floor grinder FGE625

Max. grinding width 625 mm





User-friendly operation thanks to the digital control panel and ergonomic guide handles



Innovative gear concept for maximum productivity with 4-grinding discs



Available in two versions: self-propelled or remote controlled

The FGE625 is a professional and extremely powerful floor grinder for medium-sized surface preparation and polishing of floors. The innovative gear concept guarantees maximum productivity with minimal maintenance. The planetary drive with 4 grinding discs ensures a perfectly

even and economical grinding result. The digital control panel with display makes for simple, intuitive control. In addition, the built-in water tank and external water connection also enable wet grinding, thus, increasing the universality of the FGE625. An efficient dust extraction system ensures clean,

low-dust working. The floor grinding machine is available in two versions: self-propelled or remote controlled. Weighing just under 400 kg, the floor grinder offers an efficient grinding result at a low weight.

System & Accessories

Technical data

Floor grinder	FGE625R4L (remote controlled)	FGE625S4L (self-propelled)	
Type no.	11006200	-	
Voltage / Frequency	400 V /	400 V / 50 Hz	
Max. grinding width	625 1	mm	
Grinding discs	4 x 230) mm	
Nominal power	11 kW		
Nominal current	16 A		
Speed grinding discs	400 - 1200 U/min		
Grinding pressure	200 / 222 / 242 kg		
Motor cooling	Air		
Application	Dry / wet		
Water tank	20 I		
Tool attachment	quickly exchangeable		
Max. number of tools	4 x 6 pieces		
Hose connection	3" camlock Typ F (male)		
Additional weights	dditional weights 2 x 25 kg		

Design

•	
Planetary gear drive	•
Water tank and external water connection	•
Integrated headlights	•
Control panel with display	•
4 grinding discs	•
Self-propelled or remote controlled version	•

Dimensions & weight

Length	1255 mm
Width	675 mm
Height	1246 mm
Weight	380 kg

IMPORTANT: Machine is supplied without tool holder and tools

1 piece tool holder Ø 230 mm for 3 tools 1 set of 3 pieces is needed
1 piece velcro tool holder Ø 230 mm without foam rubber padding 1 set of 3 pieces is needed
1 piece velcro tool holder Ø 230 mm with foam rubber padding 1 set of 3 pieces is needed
1 piece flexible rubber pad Ø 230 mm with velcro on both sides 1 set of 3 pieces is needed Accessory for the velcro tool holder Ø 230 mm (34637280)
1 piece flexible foam rubber pad Ø 230 mm with velcro on both sides 1 set of 3 pieces is needed Accessory for the velcro tool holder Ø 230 mm (34637280)
1 piece velcro lippage holder Ø 80 mm 9 to 18 pieces are needed



Floor grinder FGE515

1 or 3-phase, max. grinding width 515 mm





Compact, light-weight design and dismountable components for increased mobility



Innovative gear concept for maximum productivity with minimal maintenance



User-friendly operation thanks to the digital control panel and ergonomic guide handles

The FGE515 is a professional and powerful floor grinder for surface preparation and floor polishing. The innovative gear concept guarantees the highest level of productivity, while at the same time requiring minimal maintenance. The planetary drive system ensures a perfectly even and economical grinding result. Simple, intuitive operation is achieved by the digital control panel with a display. Furthermore, the built-in water tank

also allows wet grinding and, thus, expands the floor grinder's range of applications. Its efficient dust extraction system ensures a clean, low-dust working environment. The extremely compact dimensions, the lightweight design and dismountable components allow for a quick system set-up and easy transport.

System & Accessories

Technical data

Floor grinder	grinder FGE515	
Voltage / Frequency	230 V / 50 Hz	400 V / 50 Hz
Type no.	11005200	11005400
Max. grinding width	515	mm
Grinding heads	3x 230 mm	
Nominal power	2.2 kW	4.0 kW
Nominal current	7.9 A	8.5 A
Speed grinding discs	385 - 1150 rpm	
Grinding pressure	74/87/113 kg	92/107/131 kg
Motor cooling	Air	
Application	Dry / wet	
Water tank	11	
Tool attachment	quickly exchangeable	
Number of tools	3 x 6 pieces	
Hose connection	2" camlock type F (male)	

Design

Planetary gear drive	•	
Additional weights 2 x 21.5 kg	•	
Water tank and external water connection	•	
Integrated headlights	•	
Control panel with display	•	
Dismountable components	•	

Dimensions & weight

Length	1325 mm	
Width	550 mm	
Height	1145 mm	
Weight	170 kg 180 kg	

System & Accessories

34567446	1 piece tool holder Ø 230 mm for 6 tools 1 set of 3 pieces is needed
34637280	1 piece velcro tool holder Ø 230 mm without foam rubber padding 1 set of 3 pieces is needed
34677772	1 piece velcro tool holder Ø 230 mm with foam rubber padding 1 set of 3 pieces is needed
34677776	1 piece flexible rubber pad Ø 230 with velcro on both sides 1 set of 3 pieces is needed Accessorie for the velcro tool holder Ø 230 mm (34637280)
34677774	1 piece flexible foam rubber pad Ø 230 with velcro on both sides 1 set of 3 pieces is needed Accessorie for the velcro tool holder Ø 230 mm (34637280)
34687078	1 piece velcro lippage holder Ø 80 mm 9 to 18 pieces are needed Accessorie for the tool holder Ø 230 mm (34567446)

Service contracts

11009999	FGE515 230 V / 400 V BASIC service contract
11009998	FGE515 230 V / 400 V STANDARD service contract
11009997	FGE515 230 V / 400 V PREMIUM service contract

IMPORTANT: Machine is supplied without tool holder and tools



Floor grinder FGE450B

Grinding width 450 mm





Perfectly even surface thanks planetary drive system



Trouble-free transportation due to detachable machine parts – no tools needed



Foldable and height-adjustable handhold

The FGE450B is a universal floor grinder, suitable for grinding, decoating and cleaning. The machine convinces with its compact design and easy handling. The planetary drive system guarantees perfectly even and economic results. A quick

tool change system, a detachable motor and additional carrying handles ensure rapid set-up and easy transportation. The height-adjustable and foldable handhold enables fatigue-free work.

System & Accessories

Technical data

230 V / 50 Hz 11000009 450 mm 2.2 kW
450 mm
2.2 kW
10 A
720 rpm
Air
Dry
quickly exchangeable
3x3 pieces
50 mm

Design

3 grinding heads	•	
Planetary drive systems (belt)	•	
Foldable and dismountable machine parts	•	
Quick tool change system	•	
Vacuum cleaner connection	•	

Dimensions & Weight

Length	1314 mm
Width	500 mm
Height	1 253 mm
Weight	120 kg

System & Accessories

34704972	1 piece tool holder Ø 180 mm for 3 tools 1 set of 3 pieces is needed
34703565	1 piece velcro tool holder Ø 180 mm without foam padding 1 set of 3 pieces is needed
34705199	1 piece flexible rubber pad Ø 180 mm with velcro on both sides 1 set of 3 pieces is needed Accessories for the velcro tool holder Ø 180 mm (34703565)
34705200	1 piece flexible foam rubber pad Ø 180 mm with velcro on both sides 1 set of 3 pieces is needed Accessories for the velcro tool holder Ø 180 mm (34703565)

IMPORTANT: Machine is supplied without tool holder and tools



Floor grinder FGE400B/VB

Grinding width 400 mm





Plug and play – connect the machine to the power supply and start grinding immediately



Powerful 4 kW motor for 400 V 3-phase power supply



Foldable and height-adjustable handhold

The floor grinder convinces with its compact design and easy handling. The single grinding head in combination with the powerful 4 kW motor on 400 V 3-phase power supply increases productivity and grinding performance. A quick tool

change system, a detachable motor and additional carrying handles ensure rapid set-up and easy transportation. The height adjustable and foldable handle enables fatiguefree work.

System & Accessories

Technical data

Floor grinder	FGE400B	FGE400VB	
Voltage / Frequency	400 V /	50-60 Hz	
Type no.	11000010	11006500	
Working width	400 mm		
Nominal power	4.0	4.0 kW	
Nominal current	8.8 A	12.8 A	
Nominal speed	1 440 1/min	0 - 1800 1/mir	
Motor cooling		Air	
Application	Dry		
Tool attachment	quickly exchangeable		
Number of tools	8 pieces		
Hose connection	50	mm	

Design

1 grinding head	•
Direct drive	•
Foldable and dismountable machine parts	•
Quick tool change system	•
Vacuum cleaner connection	•

Dimensions & Weight

Length	760 mm
Width	420 mm
Height	1 200 mm
Weight	89 kg

System & Accessories

34511139 1 piece tool holder Ø 400 mm for 8 tools 1 piece is needed

IMPORTANT: Machine is supplied without tool holder and tools



Floor grinder FGE280B

Grinding width 280 mm





Plug and play – connect the machine to the power supply and start grinding immediately



Easy transportation due to detachable machine parts – no tools needed



Foldable and height-adjustable handhold

The FGE280B convinces with its compact design and easy handling. The single grinding head increases productivity and grinding performance. A quick tool change system, a detachable motor and

additional carrying handles ensure rapid set-up and easy transportation. For edge-grinding, the dust cover can partially be removed. The height-adjustable and foldable handle enables fatigue-free work.

System & Accessories

Technical data

Floor grinder	FGE280B
Voltage / Frequency	230 V / 50 Hz
Type no.	11000008
Working width	280 mm
Nominal power	2.2 kW
Nominal current	13 A
Nominal speed	1 440 1/min
Motor cooling	Air
Application	Dry
Tool attachment	quickly exchangeable
Number of tools	6 pieces
Hose connection	50 mm

Design

1 grinding head	•
Direct drive	•
Foldable and dismountable machine parts	•
Quick tool change system	•
Vacuum cleaner connection	•

Dimensions & Weight

Length	710 mm
Width	420 mm
Height	1110 mm
Weight	76 kg

System & Accessories

34511140	1 piece tool holder Ø 280 mm for 6 tools 1 piece is needed
34705198	Velcro tool holder Ø 280 mm 1 piece is needed

IMPORTANT: Machine is supplied without tool holder and tools



Floor Stripper FRE350

Working width 350 mm





Directly driven impact mechanism – low maintenance and reliable



Ergonomically designed handle bars with control unit incl. dead man's switch



Available accessories

The FRE350 sets new standards for floor stripper performances. The extra strong design enables peeling and removing of carpets, tiles, directly bonded parquet floors, fillers and coatings. Integrated weights are

adjustable to three positions, ensuring maximum blade performance on different floor conditions, higher pressure on the drive wheels or more weight on the tool.

System & Accessories

Technical data

Floor stripper	FRE350
Voltage / frequency	230 V / 50 Hz
Type no.	11002737
Working width	350 mm
Power (drive motor)	1.5 kW (0.4 kW)
Current consumption	11.2 A
Speed (drive motor)	2790 rpm (2800 rpm)
Motor cooling	Air
Vacuum connection	40 mm
Application	Dry

Design

Design	
Lockable drive unit	•
Directly driven impact mechanism (low maintenance)	•
Height-adjustable drawbar	•
Lifting eye	•
Protective cover	•
Integrated weights adjustable to 3 positions	•
Ergonomically designed handle bars	•

Dimensions & Weight

Length	810 mm
Width	500 mm
Height	1 040-1 130 mm
Weight	225 kg

11002738	Angle Adjustment 350 mm for Blade +/- 10 degrees
11003895	Transport Wheel Attachment Complete FRE350
11002739	Dust Support Set Complete FRE350
11004008	Service Box FRE350 (included in the scope of delivery)
11002740	Chisel Holder
11002741	Chisel 25 mm
11003888	Chisel 50 mm
11004184	Blade Weasel 230 x 80 x 1.5 mm
11003890	Blade Weasel 230 x 100 x 2.0 mm
11003892	Blade FRE250/350 200 x 80 x 2.5 mm
11003891	Blade FRE250/350 200 x 80 x 1.5 mm
11003894	Blade FRE350 450 x 80 x 2.5 mm
11002743	Blade FRE350 350 x 130 x 1.5 mm
11004014	Blade FRE350 350 x 80 x 2.5 mm
11002742	Blade FRE350 350 x 80 x 1.5 mm
11004012	Blade U-Shape Sharp FRE250/350 250 x 80 x 1.5 mm
11002744	Blade U-Shape Sharp FRE350 350 x 80 x 1.5 mm
11003889	Blade U-Shape Flat FRE350 350 x 80 x 1.5 mm
11004011	Blade FRE250/350 250 x 130 x 1.5 mm
11004013	Blade FRE250/350 250 x 80 x 2.5 mm



Floor Stripper FRE250

Working width 250 mm





Directly driven impact mechanism – low maintenance and reliable



Ergonomically designed handle bars with control unit incl. dead man's switch



Available accessories

The FRE250 is an innovative, compact and powerful floor stripper. Its extra strong design in combination with the relatively low weight enables the peeling and removal of carpets, vinyl floors and many other

floor coverings. Thanks to the four detachable weights, the FRE250 can be adapted to the different floor conditions and easily brought to the job site.

System & Accessories

Technical data

FRE250
230 V / 50 Hz
11003070
250 mm
1.1 kW (0.4 kW)
8.8 A
2820 rpm (2800 rpm)
Air
40 mm
Dry

Design

Lockable drive unit	•
Directly driven impact mechanism (low maintenance)	•
Height-adjustable drawbar	•
Lifting eye	•
Protective cover	•
Integrated weights adjustable to 3 positions	•
4 detachable weights	•
Ergonomically designed handle bars	•

Dimensions & Weight

Length	780 mm
Width	500 mm
Height	1 040-1 110 mm
Weight	122 kg

11004010	Angle Adjustment 250 mm for Blade +/- 10 degrees
11004009	Service Box FRE250 (included in the scope of delivery)
11004184	Blade Weasel 230 x 80 x 1.5 mm
11003890	Blade Weasel 230 x 100 x 2.0 mm
11002745	Blade FRE250/350 250 x 80 x 1.5 mm
11003892	Blade FRE250/350 200 x 80 x 2.5 mm
11003891	Blade FRE250/350 200 x 80 x 1.5 mm
11004012	Blade U-Shape Sharp FRE250/350 250 x 80 x 1.5 mm
11004011	Blade FRE250/350 250 x 130 x 1.5 mm
11004013	Blade FRE250/350 250 x 80 x 2.5 mm

Floor Stripper: Tools & Accessories

	Type no.	Specification	Glued down Carpet	Sheet Goods	Rubber Flooring & LVT	VCT / VAT	Hardwoods & Parquet	Ceramic type materials	Description
	11003890	U-Blade 230 x 100 x 2 mm	•	•	•				Sharpened wings eliminate pre-cutting. Excellent blade for difficult removals.
	11003889	U-Blade 350 x 80 x 1.5 mm	•	•	•				Sharpened wings eliminate pre-cutting.
	11002744	U-Blade 350 x 80 x 1.5 mm	•	•	•				U-Blade with the sharpened edge down. Sharpened wings eliminate pre-cutting. For removals over harder sub-floors.
	11003891	Blade 200 x 80 x 1.5 mm	•	•	•	•	•		Excellent allround blade for difficult removals.
	11003892	Blade 200 x 80 x 2.5 mm	•	•	•	•	•	•	Excellent allround blade with thicker wall thickness for difficult removals. Great for scraping up debris after using a chisel.
	11002743	Blade 350 x 130 x 1.5 mm	•	•	•	•	•	•	Suitable for numerous applications. 130 mm depth helps to keep it under floor covering.
	11002742	Blade 350 x 80 x 1.5 mm	•	•	•	•			Standard thickness. Some floor coverings will need to be hand cut into strips.
	11003894	Blade 450 x 80 x 2.5 mm	•	•	•				Standard thickness, but 450 mm wide. Some floor coverings will need to be hand cut into strips. Increased production rates.
9	11002740	Chisel Holder FRE350							Adapter designed to hold chisels below.
	11003888	Chisel 50 mm					•	•	Wider chisel used for difficult floor covering removals.
	11002741	Chisel 25 mm					•	•	Chisel used for extremely difficult removals.
	11002739	Dust Extraction Set Complete							Dust port for the connection of a dust collector.
	11003895	Transport Wheels FRE350			_				Front wheels for easy transport of the Floor Stripper FRE350.





Milling and floor grinding machine FGP640UF

for very flat surfaces | max. grinding width 640 mm





Height levelling ≤ 1 mm

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Plunging depth up to 25 mm



Simple and intuitive control panel

The FGP640UF combines the technologies of milling and grinding in a single device. In doing so, not only is time saved, but the need for multiple machines is also reduced. This leads to a more efficient use of resources and a reduction in operating costs. This system can simultaneously mill

up to 25 mm deep, level the floor to an accuracy of ≤ 1 mm and create a fine surface structure using the double-rotating lamellae. This means that one or two coarse sanding processes with the grinding machine can be skipped. The modern control panel with a display ensures simple and

intuitive handling. Overall, the milling and floor grinding machine offers an innovative solution to the challenges of the modern construction industry and helps to maximise the efficiency and quality of work.

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System & Accessories

Technical data

Milling and floor grinding machine	FGP640UF
Type no.	11010946
Voltage / Frequency	400 V / 50 Hz
Max. grinding width	640 mm
Max. insertion depth	0 - 25 mm
Nominal power	18,5 kW
Nominal current	32 A
Speed (drive motor)	1100 U/min
Tool speed	180 U/min
Wall distance	40 mm
Flatness (evenness)	≤ 1 mm
Track guidance	+- 1,5 mm

Laser levelling	•
Laser guidance	•
Laser control system	•
Control panel with display	•

Dimensions & Weight

Length	2232 mm
Width	780 mm
Height	1238 mm
Weight	1 165 kg

IMPORTANT: Machine is supplied without tool holder and tools



Floor Milling Machine FPE320

Working width 320 mm





Different motors: 15 kW, 18.5 kW electric or petrol version with 31 HP



Ergonomically designed handle bars with control unit



Variable diamond, cutter or milling cutter drums

The FPE320 is made for the hardest applications and floors. Heavy duty bearings ensure maintenance and trouble-free operation of the machine. The continuously variable speed drive unit is a standard. Ergonomically

designed handle bars ensure fatiguefree operation. With our cutter or milling cutter drums and a working width of 320 mm, this machine is ideal for processing large areas.

System & Accessories

Technical data

Floor milling machine	FPE320	FPE320LC	FPG320
Voltage / frequency	400 V / 50 Hz	400 V / 50 Hz	Petrol
Туре по.	11002728	11002928	11002929
Working width	320 mm	320 mm	320 mm
Power (drive motor)	15 kW (0.2 kW)	18.5 kW (0.2 kW)	31 HP (0.2 kW)
Current consumption	26.9 A	32.6 A	-
Speed (drive motor)	2945 1/min (3000 1/min)	2935 1/min (3000 1/min)	3 600 1/min (3 000 1/min)
Tool speed	1 644 1/min	1 644 1/min	1 644 1/min
Engine cooling	Air	Air	Water
Vacuum connection	70 mm	70 mm	70 mm/125 mm
Application	Dry	Dry	Dry

Design

Variable speed drive unit	•	•	•	
Variable cutting width	•	•	•	
Follow-up suction device	•	•	•	
Lifting eye	•	•	•	
Protective cover	•	•	•	
Ergonomically designed handle bars	•	•	•	

Dimensions & Weight

Length	980 mm	980 mm	1180 mm
Width	630 mm	630 mm	660 mm
Height	1180 mm	1180 mm	1100 mm
Weight	270 kg	300 kg	300 kg

11002736	Extraction Wagon FPE320
11004001	Line Up Mechanism FPE320
11002729	Line Up Laser Complete FPE320
11002730	Sprinkler System Complete FPE320
11004027	Exchangeable Complete Drum with cutters 80/8
11004029	Exchangeable Complete Drum with milling flails 80/20
11002731	Exchangeable Drum for Diamond Blades (without blades)
34540058	Diamond Blade 300 mm FSC Premium

11002735	Spacer 1 mm for Diamond Drum
11002734	Spacer 2 mm for Diamond Drum
11002733	Spacer 3 mm for Diamond Drum
11003371	Spacer 5 mm for Diamond Drum
11003372	Spacer 8 mm for Diamond Drum
11003373	Spacer 10 mm for Diamond Drum



Floor Milling Machine FPE250

Working width 250 mm





Different motors: 7.5 kW electric or petrol version with 9 or 13 HP



The speed-controlled drive unit ensures consistent and even feed



Versatile and durable cutter drum assemblies

The FPE250 is the right machine to start concrete renovation and floor gutting. With a multitude of tool options, you can find a suitable solution for almost every construction site. Its main applications include removal of coatings and hard concrete, milling of grooves or joints,

texturing, scabbling, planing of concrete or asphalt surfaces. The FPE250DU and FPG250DU are equipped with their own drive unit. The feed speed is infinitely variable. The user can work fatigue-free and achieve even milling surface.

System & Accessories

Technical data

oor milling machine	FPE250	FPE250DU	FPG250	FPG250DU
oltage / frequency	400 V / 50 Hz	400 V / 50 Hz	Petrol	Petrol
pe no.	11002924	11002925	11002926	11002927
orking width	250 mm	250 mm	250 mm	250 mm
ower (drive motor)	7.5 kW	7.5 kW (0.2 kW)	9 HP	13 HP (0.2 kW)
urrent consumption	14.8 A	16 A	-	-
peed (drive motor)	2880 rpm	2880 rpm (3000 rpm)	3000 rpm	3600 rpm (3000 rpm)
pol speed	1571 rpm	1571 rpm	1667 rpm	1571 rpm
ngine cooling	Air	Air	Air	Air
acuum connection	70 mm	70 mm	70 mm	70 mm
pplication	Dry	Dry/wet (optional)	Dry	Dry/wet
pplication	Dry	Dry/wet (optional)	Dry	Dı

Design

Height adjustment by hand wheel	•	•	•	•	
Quick lift lever	•	•	•	•	
Belt tensioner with durable toothed belt	•	•	•	•	
Vacuum cleaner connection	•	•	•	•	

Dimensions & Weight

Length	1 000 mm	1 000 mm	1 000 mm	1 070 mm
Width	490 mm	490 mm	490 mm	490 mm
Heigth	1 130 mm	1130 mm	1 130 mm	1130 mm
Weight	124 kg	150 kg	110 kg	165 kg

11004005	Line Up Mechanism
11002730	Sprinkler System Complete
11004025	Exchangeable Complete Drum with Cutters 57/6
11004026	Exchangeable Complete Drum with Milling Flails 57/20
11003369	Drum for Diamond Blades
34556797	CONTEC Diamond Blade 200 mm for Hard Concrete



Floor Milling Machine FPE200

Working width 200 mm





Different motors: 2.2 kW electric or 5.5 HP petrol version



Optional edger for milling right up to the wall



Versatile and durable cutter drum assemblies

The FPE200 offers quality and reliability for high performance and cost effective operation. The FPG200 is equipped with a gasoline engine and is ideal for construction sites

without power supply. Its main applications include surface texturing, scabbling, planing, grooving, cleaning, descaling and removal of road markings.

System & Accessories

Technical data

Floor milling machine	FPE200	FPE200	FPG200	
Voltage / frequency	230 V / 50 Hz	400 V / 50 Hz	Petrol	
Type no.	11002922	11004213	11002923	
Working width	200 mm	200 mm	200 mm	
Power	2.2 kW	3.0 kW	5.5 HP	
Current consumption	12 A	5.8 A	-	
Speed	2640 rpm	2890 rpm	3 000 rpm	
Tool speed	1750 rpm	1917 rpm	1 989 rpm	
Engine cooling	Air	Air	Air	
Vacuum connection	50 mm	50 mm	50 mm	
Application	Dry	Dry	Dry	

Design

Height adjustment by hand wheel	•	•	•	
Quick lift lever	•	•	•	
Belt tensioner with durable toothed belt	•	•	•	
Vacuum cleaner connection	•	•	•	

Dimensions & Weight

Length	900-1 000 mm	900-1 000 mm	900-1 000 mm
Width	370 mm	370 mm	370 mm
Heigth	900-1 000 mm	900-1 000 mm	900-1 000 mm
Weight	58 kg	61 kg	51 kg

11004024	Exchangeable Complete Drum with Cutters 45/5
11004023	Exchangeable Complete Drum with Milling Flails 42/10
11004034	Side Planer CT 60
11004028	Complete Drum for Side Planer with Cutters 45/5



Shot Blaster FBE350

Working width 350 mm





Perfect blast patterns with 6 bladed blastwheel



The drive unit ensures consistent and even feed



FBE350 maintenance and tool box

The FBE350 shot blasting machine is a professional blasting system for large areas and very hard concrete floors or coatings. Its modular design opens up unique application possibilities. The shot blasting width of the base unit can be doubled by adding

the extension module. The drive unit enables an even and infinitely adjustable feed. Maintenance work on the FBE350 can be carried out easily on site without special tools and with little loss of time.

System & Accessories

Technical data

Shot blaster	FBE350
Voltage / frequency	400 V / 50 Hz
Type no.	11002931
Working width	350 mm
Power (drive motor)	15 kW (0.2 kW)
Current consumption	29.5 A
Speed (drive motor)	2935 rpm (3000 rpm)
Vacuum connection	125 mm
Application	Dry

Design

Variable drive unit for forward and backward motion	•
Brake assist for working on ramps	•
LED headlights	•
Operating hours counter	•
Foldable rear axle for transport	•

Dimensions & Weight

Length	1 850 mm
Width	550 mm
Height	1100 mm
Weight	440 kg

11004022	Blast Wheel Set FBE300/350/560 + Cage
11003410	Side Lining Blast Chamber
11003408	Top Lining Blast Chamber
11002990	Service Box incl. Tools and Wear Parts FBE350
11004036	FBE350 Extension Unit 400 V 32 A 15 kW 440 kg
11004035	Magnetic Brush 50 cm
11002991	Magnetic Brush 70 cm
11002992	Suction hose D125mm 15m
11004682	Steel shot S 390 F20 VE 25kg
11004684	Steel shot S 460 F16 VE 25kg



Shot Blaster FBE300

Working width 300 mm





Perfect blast patterns with 6 bladed blastwheel



The drive unit ensures consistent and even feed



FBE300 maintenance and tool box

The FBE300 shot blasting machine is a professional blasting system for large areas and very hard concrete floors or coatings. Its modular design opens up unique application possibilities. The drive unit enables an even and infinitely adjustable feed.

Maintenance work on the FBE300 can be carried out easily on site without special tools and with little loss of time.

System & Accessories

Technical data

Shot blaster	FBE300
Voltage / frequency	400 V / 50/60 Hz
Туре по.	11009331
Working width	300 mm
Power (drive motor)	11 kW (0.75 kW)
Current consumption	19.4 A
Speed (drive motor)	2945 rpm (3000 rpm)
Vacuum connection	125 mm
Application	Dry

Design

Variable drive unit for forward and backward motion	•
Brake assist for working on ramps	•
LED headlights	•
Operating hours counter	•
Foldable rear axle for transport	•

Dimensions & Weight

Length	1750 mm
Width	470 mm
Height	1 000 mm
Weight	386 kg



Shot Blaster FBE200

Working width 220 mm





7.5 kW turbine power on 220 mm working width



Perfect blast patterns with 5 bladed blastwheel



FBE200 maintenance and tool box

The FBE200 shot blasting machine combines high productivity with low overall height and weight. Its modular design opens up unique application possibilities: The shot blasting width can be increased to up to 455 mm by adding the FBE200 expansion module.

The drive unit enables an even and infinitely adjustable feed. Maintenance work on the FBE200 after the first 300 operating hours can be carried out easily on site without special tools and with little loss of time.

SHOT BLASTERS 37

System & Accessories

Technical data

Shot blaster	FBE200
Voltage / frequency	400 V / 50 Hz
Type no.	11002930
Working width	220 mm
Power (drive motor)	7.5 kW (0.2 kW)
Current consumption	16 A
Speed (drive motor)	2880 rpm (3000 rpm)
Vacuum connection	70 mm
Application	Dry

Design

Variable drive unit for forward and backward motion	•
LED headlights	•
Operating hours counter	•
Foldable rear axle for transport	•

Dimensions & Weight

Length	1 480 mm
Width	340 mm
Height	1 050 mm
Weight	210 kg

System & Accessories

11004015	Blast Wheel Set FBE200/FBE BU + Cage
11003402	Side Lining Blast Chamber
11004007	Top Lining Blast Chamber
11004019	Service Box incl. Tools and Wear Parts FBE200
11004051	FBE200 Extension Unit 400 V 16 A 7.5 kW 210 kg
11004035	Magnetic Brush 50 cm
11002991	Magnetic Brush 70 cm
11002992	Suction hose D125mm 15m
11004682	Steel shot S 390 F20 VE 25kg
11004684	Steel shot S 460 F16 VE 25kg



Dust Extraction Systems VCE1200D/VCE2400D/VCE3600D

1-phase, motor power of 1.2 kW, 2.4 kW or 3.6 kW



The new dust extraction systems VCE1200D, VCE2400D and VCE3600D are specially developed for floor grinding, but are also excellent for other applications where efficient dust collection is required. Customers can choose between three different power classes, 1.2 kW, 2.4 kW and 3.6 kW, based on their individual requirements.

All three models are dust collection H-Class certified and equipped with a cyclone system, a conical pre-filter and reliable H13 HEPA filters. A simple, user-friendly operation is ensured by easily accessible controls, low noise level and the sophisticated Longopac dust bag system. A compact design and lightweight construction allow for

trouble-free transport. An additional advantage is the use of non-marking 10-inch wheels, which are construction site proof.

System & Accessories

Technical data

Dust Extraction Systems	VCE1200D	VCE2400D	VCE3600D
Voltage / Frequency	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Type no.	11001200	11002300	11003600
Nominal power	1.2 kW	2.4 kW	3.6 kW
Nominal current	5 A	10 A	15 A
Max. airflow	200 m³/h	400 m³/h	600 m ³ /h
Max. vacuum	220 mbar	220 mbar	220 mbar
Pre-filter	1.5 m²	3.0 m ²	4.5 m ²
HEPA filter	1.2 m²	2.4 m²	3.6 m²
Application	Dry	Dry	Dry
Hose	38 mm	50 mm	50 mm

Design

Longopac tubelike bagging system	•	•	•
Conical pre-filter	•	•	•
H13 HEPA filter system	•	•	•
Manual filter cleaning	•	•	•
Non-marking wheels	•	•	•

Dimensions & Weight

Length	426 mm	544 mm	544 mm
Width	704 mm	729 mm	860 mm
Height	1115 mm	1318 mm	1 459 mm
Weight	36 kg	59 kg	69 kg

Accessories (optional)

11005004	Pre-filter VCE1200D
11005011	Pre-filter VCE2400D
11005016	Pre-filter VCE3600D
11005005	HEPA filter VCE1200/2400/3600D - 1 pc. for VCE1200D - 2 pcs. for VCE2400D - 3 pcs. for VCE3600D
11002364	Continous Dust Bag (1 pcs needed - Ordering 1 box, 4 pcs)
11005003	PAXXO Longopac Mega-Strong (1 pcs needed - Ordering 1 box, 4 pcs)
11008524	PAXXO Longopac Mega-Strong for Aspestos Removal (1 pcs needed - Ordering 1 box, 4 pcs)

Scope of delivery

Hand suction tube	Crevice nozzle	
Floor nozzle	Camlock-adapter	
Suction hose	Longopac tube-like bag	



Dust Extraction Systems VCE7500RC

3-phase, motor power of 7.5 kW





Built-in drive allows large areas to be processed



Remote-controlled on/off switching



Simple and intuitive control panel

The dust extraction system VCE7500RC impresses with its combination of high airflow, vacuum and integrated beater system. The VCE7500RC has an integrated, battery-powered drive unit, can be remote controlled and has a modern control panel. An additional socket is also integrated. The dust extraction

system is particularly recommended for the FGP640UF machine but is also suitable for other applications where efficient dust extraction is required. The robust design makes the dust extraction system ideal for construction sites, and the wheels do not mark the floor.

System & Accessories

Technical data

Height

Weight

Dust Extraction Systems	VCE7500RC	
Voltage / Frequency	400 V / 50/60 Hz	
Type no.	11010945	
Nominal power	7,5 kW	
Nominal current	32 A	
Max. airflow	1 620 m³/h	
Battery power	24 V	
Battery capacity	20 Ah	
Drive speed	0 - 20 m/min 3" /78mm	
Design		
Remote control	•	
Dust removal system	•	
Additional plug	•	
Wheelbarrow	•	
Non-marking wheels	•	
Dimensions & Weight		
Length	1 655 mm	
Width	925 mm	

1490 mm

575 kg

Accessories (optional)

11002364 Longopac Continous Dust Bag (1 box includes 4 pieces)



Dust Extraction Systems VCE7500D

3-phase, motor power of 7.5 kW



The VCE7500D extraction system impresses with its combination of high air flow and vacuum pressure and has an integrated pre-separator. The system works with cyclone technology, the pre-separator, 15 pre-filters and two HEPA filters. The suction system is particularly recommended for the FGE780

machine but is also suitable for other applications where efficient dust extraction is required. Thanks to its robust design, the suction system is ideal for construction sites and the wheels do not mark the floor. The VCE7500D extraction system is dust class H certified.

System & Accessories

Technical data

Dust Extraction Systems	VCE7500D
Voltage / Frequency	400 V / 50/60 Hz
Type no.	11008465
Nominal power	7.5 kW
Nominal current	16 A
Max. airflow	700 m ³ /h
Max. vacuum	270 mbar
Pre-filter	2.6 m ²
HEPA filter	5 m ²
Application	Dry
Hose	3" /78 mm

Design

Longopac tubelike bagging system	•
Sock-filter	•
H13 HEPA filter system	•
Manual filter cleaning	•
Non-marking wheels	•

Dimensions & Weight

Length	1163 mm
Width	657 mm
Height	1 680 mm
Weight	235 kg

Accessories (optional)

11008542	Pre-filters VCE7500D
11008543	HEPA filter VCE7500
11008470	D50 Floor Brush rubber lips
11006212	D50 Floor Brush strip
11002364	Continous Dust Bag (1 box includes 4 pieces)
11005003	PAXXO Longopac Mega-Strong (1 box includes 4 pieces)
11008524	PAXXO Longopac Mega-Strong for Aspestos Removal (1 box includes 4 pieces)

Hand suction tube	Longopac tube-like bag
Floor nozzle	Div. camlocks
Suction hose	Hose D 50 mm with 2 hose cuffs
Crevice nozzle	Hose clamps



Pre-Separator VPM600UC

Wet and dry, up to 600 m³/h



The Pre-Separator VPM600UC is especially recommended for the extraction systems VCE2400D and VCE3600D. However, the preseparator is also suitable for other applications in connection with vacuum systems, as it can be used for wet and dry applications and can extract up to 90 % of the material to

be vacuumed filter-free. Thanks to the cyclone technology, the pre-separator only loses a minimal amount of air flow and considerably increases the service life of the filter in the vacuum cleaner. The VPM600UC is robustly built and the wheels do not stain the floor.

System & Accessories

Technical data

Pre-Separator	VPM600UC				
Туре по.	11008465				
Recommended air flow	up to 600 m ³ /h				
Application Wet / dry					
lose 50 mm					
Technology Cyclone					
Special	Unique dust extraction during operation				

Dimensions & Weight

570 mm
480 mm
1 430 mm
30 kg

Accessories (optional)

11006966	D 50 hose cuff
11005015	Camlock Adapter male 2" with connection tube 2"
11008508	Hose D 50 x 2.5 m incl. 2 hose cuffs
11008534	Hose D 50 x 2.5 m
11002364	Continous Dust Bag (1 box includes 4 pieces)
11005003	PAXXO Longopac Mega-Strong (1 box includes 4 pieces)
11008524	PAXXO Longopac Mega-Strong for Aspestos Removal (1 box includes 4 pieces)



Dust Extraction Systems

VCE3000C and VCE5500C



The VCE3000C and VCE5500C dust extraction systems impress with their high performance, which is based on an optimal combination of maximum depression and the highest air flow volume. They have a wide range of applications in the construction industry and are suitable for milling and grinding machines, floor saws as

well as shot blasters. The cleaning of the filter cartridges is done automatically by compressed air pulses. The VCE3000C is a available either as a Longopac or container version and can be ordered with or without HEPA filter. On the VCE5500 the HEPA system is optionally available.

System & Accessories

Technical data

Dust Extraction System	VCE3000C H+LP	VCE3000C SK	VCE3000C LP	VCE5500C		
Voltage / frequency	400 V / 50 Hz					
Type no.	11002932	11008101	11008102	11002933		
Power	3 kW	3 kW	3 kW	5.5 kW		
Current consumption	8 A	8 A	8 A	12.2 A		
Max. air flow	27 m³/min	27 m³/min	27 m³/min	38 m³/min		
Depression	8 600 Pa	8 600 Pa	8600 Pa	10150 Pa		
Filter area	6 m² (3 × 2m²)	6 m² (3 × 2m²)	6 m² (3 × 2m²)	10 m² (5 x 2m²)		
Ventilator rotation speed	5 600 rpm	5600 rpm	5 600 rpm	6350 rpm		
Hose connection	70 / 125 mm	70 / 125 mm	70 / 125 mm	50 / 70 / 125 mm		
Application	Dry	Dry	Dry	Dry		

Design

Automatic filter cleaning	•	•	•	•	
HEPA filter	•	optional	optional	optional	
Longopac system	•	•			
Container	•		•		
Recommended for	Asbestos removal	Shot blasting	Floor grinding		

Dimensions & Weight

Length (filter unit)	1 410-1 850 mm	1410-1530 mm	1410-1530 mm	1 020 mm (1 080 mm)
Width (filter unit)	780 mm	780 mm	780 mm	520 mm (800 mm)
Height (filter unit)	1 850-2 030 mm	1290-1440 mm	1 520-1 700 mm	1560 mm (1410 mm)
Weight (filter unit)	302 kg	284 kg	275 kg	220 kg (172 kg)

System & Accessories

11004016	Dust Hose Ø 50 mm
11004017	Dust Hose Ø 70 mm
11002992	Dust Hose Ø 125 mm
11004018	Dust Hose Ø 150 mm
11004032	Handle D50
11004033	Suction Nozzle
11004031	Adaptor 80/70 mm
11004030	Adaptor 80/50 mm
11004021	Adaptor 70/50 mm

11004020	Filter cartridge VCE3000C SK / VCE3000C LP / VCE5500C
11003999	HEPA upgrade VCE3000C SK
11003997	HEPA upgrade VCE5500C

Accessories Dust Extraction Systems

TN	Description		VCE1200D 11001200		VCE2400D 11002300		VCE3600D 11003600		11008465	VPM600UC	11008466
11002364	Continous Dust Bag (1 piece needed - Ordering 1 box, 4 pieces)	0	•	0	•	0	•	0	•	0	•
11005003	PAXXO Longopac Mega-Strong (1 piece needed - Ordering 1 box, 4 pieces)		•		•		•		•		•
11008524	PAXXO Longopac Mega-Strong for Aspestos Removal (1 piece needed - Ordering 1 box, 4 pieces)		•		•		•		•		•
11005004	Pre-filter VCE1200D	0	•								_
11005011	Pre-filter VCE2400D			0	•						_
11005016	Pre-filter VCE3600D					0	•				_
11005005	HEPA filter 1 piece 1 piece needed VCE1200D 2 pieces needed VCE2400D 3 pieces needed VCE3600D	0	•	0	•	0	•				_
11008542	Pre-filters VCE7500D 1 piece 15 pieces needed							0	•		_
11008543	HEPA filter VCE7500 1 piece 2 pieces needed							0	•		_
11005006	D38 Hand tube	0	•								_
11006835	D38 Floor nozzle	0	•								_
11008478	D38 Floor nozzle rubber lips		•								_
11005007	D38 Floor Brush	0	•								_
11008477	D38 Floor Brush strip		•								_
11008348	D38 Hose 7.5 m	0	•								_
11006213	D38 Round Brush	0	•								_
11006214	D38 Crevice Tool	0	•								_
11006965	D38 Hose Cuff	0	•								_
										\Box	

Scope of delivery

Accessories (optional)

TN	Description	VCE1200D	11001200	VCE2400D	11002300	VCE3600D	11003600	VCE7500D	11008465	VPM600UC 11008466
11006216	Camlock Adapter male 1.5", with connection tube 1.5"									
		0								
11005012	D50 Hand tube			0	•	0	•	0	•	
11005013	D50 Floor Brush			0	•	0	•	0	•	
11006212	D50 Floor Brush Strip				•		•		•	
11008470	D50 Floor Brush Rubber Lips			0	•	0	•	0	•	
11006215	D50 Crevice Tool, Aluminium			0	•	0	•	0	•	
11007272	D50 Hose anti-static 7.5 m			0	•	0	•	0	•	
11006966	D50 Hose Cuff			0	•	0	•	0	•	0
11005676	Camlock Adapter female 2", with connection tube 2"			0	•	0	•	0	•	
11005015	Camlock Adapter male 2", with connection tube 2"			0	•	0	•	0	•	0
11006963	Camlock Adapter male 3", with connection tube 3"							0	•	
11008534	Hose D78 12 m							0	•	
11008506	Clamp							0	•	
11007382	Camlock Adapter Female 3", with connection tube 3"							0	•	
11008507	3"/2" - male/female							0	•	
11008508	HoseD 50 mm 2.5 m with 2 Hose Cuffs							0	•	
11008533	3" Male Camlock with 2" connection tube							0	•	
11008534	Hose D 50 mm 2.5 m									0

Scope of delivery

Accessories (optional)

Available versions of the service contract for Tyrolit machines



BASIC

- + One-time annual preventive inspection
- + Certified safety and function check
- Documentation of all test certificates by the manufacturer
- Use of tested Tyrolit spare parts
- Availability guarantee for spare parts
- + Personal customer service and technical support
- + All software updates

★ ★

- + BASIC services
- Tyrolit machine service (material, labour and lubricants)
- + Replacement machine during the service interval

★ ★ ★

- + BASIC and STANDARD services
- + Repair services (material, labour and all wearing parts)
- + Replacement machine during service and repair work
- + Transport of the machine

- + Contract duration: 4 years
- + Payment interval: annually or in full in advance
- + Price according to price list





Diamond Tools for Surface Preparation

Tyrolit offers a full range of tools for the preparation of cementitious floors. The following overview shows the main surface preparation steps. Customers can easily choose the right tool from the respective category according to the nomenclature:

Step	Tyrolit Specification (abbreviation)	Tyrolit Specification	Tool Category
Refurbishing / removal of coatings	FGV	Floor Grinding Various Materials	PCD tools
Rough grinding concrete	FGC	Floor Grinding Concrete	Metal bond tools
Transitional grinding / pre-polishing concrete	FTGC	Floor Transitional Grinding Concrete	Ceramic bond tools
Polishing concrete	FPC	Floor Polishing Concrete	Resin bond tools
Grinding and polishing concrete	FGPC	Floor Grinding & Polishing Concrete	Fibre pads with resin bond segments
Cleaning and maintenance	FMU	Floor Maintenance Universal Materials	Diamond impregnated cleaning pads
Bush hammering	BHU	Bush Hammer Universal Materials	Bush hammer tools

Colour Codes Tools Rough & Transitional Grinding

Grit size	Colour
10#	Purple
16#	Silver
25#	Gold
30-40#	Grey
50-80#	Brown
100-120#	Black
200#	Blue
400#	Red
800#	White
1500#	Yellow
3000#	Green
PCD	Neon yellow

Colour Codes Bush Hammer Tools

Colour	Result
Green	For coarse surfaces
Orange	For medium coarse surfaces
Yellow	For fine surfaces

Mohs Material Hardness Test

Most of our tools are available with different bonds for the different degrees of floor hardness. In order to determine the floor hardness Tyrolit offers a Mohs Hardness Test Kit (TN 34701860).



Mohs Hardness Test Kit / Type number: 34701860

Floor hardness	Soft	Medium	Hard	Very hard	Extra hard
Aggregates	Soft limestone, screed	Hard limestone	Gneiss, quartz	Basalt, granite	Flint, basalt
Mohs scale hardness	2 - 4	4 - 5	6 - 7	7 - 8	7 - 9



Overview Floor Grinding Tools

Floor prep and reconditioning						
PCD tools FGV						
Flooring / coating thickness						
Thick (3-5 mm)						
Medium (2-3 mm)						
Thin (<1 mm)						

Bush hammer tools BHU						
Floor texture	Tool colour					
Coarse						
Medium coarse						
Fine						
Available for various floor grinders and the hand-held bush grinding machine						

		Rough Grinding							
,		Metal bond tools FGC							
						E P			
Floor hardness	S Soft	M Medium	H Hard	VH Very hard	XH Extra hard	S Soft	M Medium	H - VH Hard to very hard	
Tool type & dimensions			Floor grinding shoe	9		125 x 150 x	Cup wheel 22,23 / 180 x 22, 19 mm (for Hilti D	23 mm (GH150)	
Shape									
10#									
16#		00							
25#									
40#									
80#	•			(
120#									

Overview Floor Grinding Tools

	Transitional Grinding		Floor Polishing				Cleaning & Maintenance
		oond tools GC		Resin bond tools FPC		Resin bond pads FGPU	Cleaning pads FMU
		E R					
Floor hardness	Every floor hardness		S – M Soft to medium hard	H – XH Hard to extra hard	Every floor hardness	Every floor hardness	Every floor hardness
Tool type	Puck	Cup wheel	Pu	ick	Polishing pad	Flexible fibre pad with resin bond segments	Diamond impregnated pad
Dimension	80 mm	125 x 22,23 mm / 180 x 22,23 mm	80 ו	mm	125 mm / 180 mm	180 / 230 / 280 mm	various diametres
Tool holding type	Velcro	22,23 mm	Velcro				
Shape							
30#							
50#			Œ.				
100#							
200#			E				
400#			Œ.				
800#							
1500#							
3000#			43)			ET.	

Tool Guide: Rough grinding and floor prep with Tyrolit Floor Grinding Machines

In addition to Tyrolit floor grinders, this tool guide is also valid for other available floor grinders with similar to the ones of Tyrolit. The relevant properties include, for instance, weight and performance. Tool mounting plates for a variety of floor grinders of other manufacturers can be found on page 67.

	Metal Bond Tools for rough grinding ¹						
Tyrolit Floor Grinder	Concrete Floor Mohs Hardness 7-9	Concrete Floor Mohs Hardness 5-7	Concrete Floor Mohs Hardness 3-5	Concrete Floor Mohs Hardness 2-3	Asphalt		
FGE780	FGC-XH Floor grinding shoe	FGC-VH Floor grinding shoe	FGC-H Floor grinding shoe	FGC-S Floor grinding shoe	FGC-S Floor grinding shoe		
FGE515							
FGE450	FGC-VH Floor grinding shoe	FGC-H Floor grinding shoe	FGC-M Floor grinding shoe	FGC-S Floor grinding shoe	FGC-S Floor grinding shoe		
FGE400							
FGE280	FGC-XH Floor grinding shoe	FGC-VH Floor grinding shoe	FGC-H Floor grinding shoe	FGC-S Floor grinding shoe	FGC-S Floor grinding shoe		

¹ Metal bond floor grinding shoes: These tools are available in different grit sizes.

² PCD tools for removing colours and coatings: These tools are available for the use of two directions 'RIGHT' and 'LEFT'. An overview of the assortment and more information regarding the directions and how to apply the tools correctly are to be found on page 56.

³ Bush hammer tools: These tools are available in three different version for three different types of floor structures. All bush hammer tools are to be found from page 65.

			PCD 1	「Cools ²	Bush Hammer Tools ³
Mastic asphalt	Terrazzo	Screed	Remove colour and thin coatings (<1 mm)	Remove coatings (2-4 mm)	Add structure to mineral floors
FGC-XH Floor grinding shoe	FGC-VH Floor grinding shoe	FGC-H Floor grinding shoe	FGV Split-PCD-Floor grinding shoe FGV Split-PCD-Floor grinding shoe	FGV PCD-Floor grinding shoe	
FGC-XH Floor grinding shoe	FGC-VH Floor grinding shoe	FGC-VH Floor grinding shoe	FGV PCD-Floor grinding shoe	FGV PCD-Floor grinding shoe	
FGC-XH Floor grinding shoe	FGC-VH Floor grinding shoe	FGC-VH Floor grinding shoe	FGV PCD-Floor grinding shoe	FGV PCD-Floor grinding shoe	

Metal Bond Tools for Rough Grinding



FGC Diamond floor grinding shoe with metal bond segments for rough grinding soft concrete and screed



Application:

- + For screed and concrete with soft aggregates, e.g. soft lime stone
- + Tool holders available for floor grinders from different manufacturers
- Developed for the perfect grinding process on Tyrolit floor grinders as well as floor grinders from various manufacturers

Features:

- + Segments with a height of 13 mm for a long product life
- Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps
- Ideal for removing very thin coatings and color finishes up to 1 mm thickness

Type no.	Colour	Grit size	Segment height
34686575		10#	13
34686576		16#	13
34686577		25#	13
34686578		40#	13
34686579		80#	13
34686580		120#	13



FGC Diamond floor grinding shoe with metal bond segments for rough grinding medium hard concrete



Application:

- + For concrete with medium hard aggregates, e.g. hard lime stone
- + Tool holders available for floor grinders from different manufacturers
- + Developed for the perfect grinding process on Tyrolit floor grinders as well as floor grinders from various manufacturers

Features:

- + Segments with a height of 13 mm for a long product life
- + Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Segment height
001	34697231		10#	13
	34686568		16#	13
	34686570		25#	13
	34686571		40#	13
	34686573		80#	13
	34686574		120#	13



FGC Diamond floor grinding shoe with metal bond segments for rough grinding hard concrete



Application:

- + For concrete with hard aggregates, e.g. gneiss
- + Tool holders available for floor grinders from different manufacturers
- + Developed for the perfect grinding process on Tyrolit floor grinders as well as floor grinders from various manufacturers

Features:

- + Segments with a height of 13 mm for a long product life
- + Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Segment height	
	34686540		16#	13	
	34686564		25#	13	
	34686565		40#	13	
	34686566		80#	13	
	34686567		120#	13	



FGC Diamond floor grinding shoe with metal bond segments for rough grinding very hard concrete



Application:

- + For concrete with very hard aggregates, e.g. granite
- + Tool holders available for floor grinders from different manufacturers
- + Developed for the perfect grinding process on Tyrolit floor grinders as well as floor grinders from various manufacturers

Features:

- + Segments with a height of 13 mm for a long product life
- Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Segment height
	34685811		16#	13
	34685812		25#	13
CZ	34685813		40#	13
	34686106		80#	13
	34686107		120#	13



FGC Diamond floor grinding shoe with metal bond segments for rough grinding extra hard concrete



Application:

- + For concrete with extra hard aggregates, e.g. flint or basalt
- + Tool holders available for floor grinders from different manufacturers
- + Developed for the perfect grinding process on Tyrolit floor grinders as well as floor grinders from various manufacturers

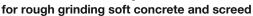
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- + Segments with a height of 13 mm for a long product life
- Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Segment height
	34685766		16#	13
	34685767		25#	13
	34685768		40#	13
	34685769		80#	13
	34685770		120#	13



FGC Diamond cup wheel with metal bond segments





Application:

- + For screed and concrete with soft aggregates, e.g. soft lime stone
- + For the use on all standard angle grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

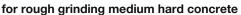
Features:

 Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Dimensions
	34687065		16#	125 × 22.23 mm
	34687066		40#	125 × 22.23 mm
	34687067		80#	125 × 22.23 mm
	34687075		16#	180 × 22.23 mm
	34687076		40#	180 × 22.23 mm
	34687077		80#	180 × 22.23 mm
	34687506		16#	150 × 19 mm
	34687507		40#	150 × 19 mm
	34687508		80#	150 × 19 mm



FGC Diamond cup wheel with metal bond segments





Application:

- + For concrete with medium hard aggregates, e.g. hard lime stone
- + For the use on all standard angle grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

 Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

	Type no.	Colour	Grit size	Dimensions
ON COOL	34687061		16#	125 × 22.23 mm
	34687063		40#	125 × 22.23 mm
	34687064		80#	125 × 22.23 mm
	34687071		16#	180 × 22.23 mm
	34687073		40#	180 × 22.23 mm
	34687074		80#	180 × 22.23 mm
	34687501		16#	150 × 19 mm
	34687503		40#	150 × 19 mm
	34687504		80#	150 × 19 mm



FGC Diamond cup wheel with metal bond segments

for rough grinding hard to very hard concrete



Application:

- + For concrete with hard to very hard aggregates, e.g. gneiss or granite
- + For the use on all standard angle grinders and handheld concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

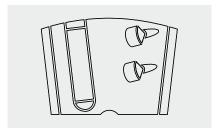
Features:

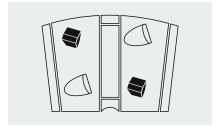
 Matching grit sizes for an ideal grinding process for floors to be perfectly prepared for the subsequent transitional grinding and polishing steps

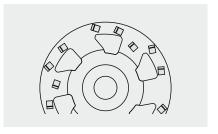
	Type no.	Colour	Grit size	Dimensions
	34687038		16#	125 × 22.23 mm
	34687039		40#	125 × 22.23 mm
	34687040		80#	125 × 22.23 mm
	34687068		16#	180 × 22.23 mm
	34687069		40#	180 × 22.23 mm
	34687070		80#	180 × 22.23 mm
	34687478		16#	150 × 19 mm
	34687479		40#	150 × 19 mm
	34687480		80#	150 × 19 mm

Tools with PCD Segments

PCD tools are used for removing tenacious and tough material on cementitious floors like coatings, mastic, glues or color finishes. The technical specifications like segment size and quantity match the properties and thickness of those diverse materials.







ZS segment

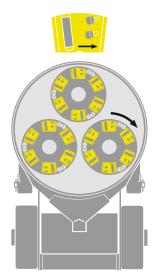
ZC segment

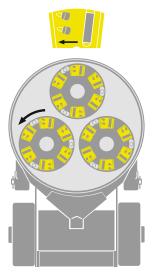
CU segment

Direction of PCD tools

PCD tools must be used in a specific direction (with the exception of Split PCD tools). The directions "right" and "left" refer to the rotational direction of the tool holder plates when looking at them when the floor grinder is tilted back.

RIGHT = clockwise direction LEFT = anti-clockwise direction





Rotational direction and required quantities of PCD tools:

Floor grinder	Number of grinding heads	Rotational direction	Number of tools, half set	Number of tools, full set
FGE280B	1	right	3x right	6x right
FGE400B	1	right or left (reversible)	4x right or left	8x right or left
FGE450B	3	right	-	9x right
FGE515	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE780, 3 heads	3	right or left (reversible)	9x right or 9x left	18x right or 18x left
FGE780, 4 heads	4	2x right, 2x left	6x right AND 6x left	12x right AND 12x left



FGV PCD Floor grinding shoe

for removing coatings and persistent materials on mineral surfaces



Application:

- + Removal of coatings (up to 5 mm thick) on cementitious surfaces.

 Materials: epoxy and other resin coatings, MMA, glue, mastic.
- + Developed for heavy floor grinders (300 600 kg), e.g. Tyrolit FGE780
- + Also suitable for smaller floor grinders, for an even and smooth surface

Features:

- Very aggressive performance due to the trapezoid segment shape (ZC segment shape)
- + The protection segment provides a smooth working process and an even surface along with long product life

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Туре по.	Number PCD Segments	Rotational direction	Segment shape
34687762	5	right	ZC
34687763	5	left	ZC



FGV PCD Floor grinding shoe

for removing coatings and persistent materials on mineral surfaces



Application:

- + Removal of coatings (up to 3 mm thick) on cementitious surfaces.

 Materials: epoxy and other resin coatings, MMA, glue, mastic.
- Developed for lighter to medium heavy floor grinders (70 -200 kg), e.g. Tyrolit FGE280 or FGE515
- + Also suitable for heavier floor grinders (300 -600 kg), for a very aggressive performance

Features:

- Very aggressive performance due to the trapezoid segment shape (ZC segment shape)
- + The protection segment provides a smooth working process and an even surface along with long product life



Type no.	Number PCD Segments	Rotational direction	Segment shape
34687765	2	right	ZC
34687766	2	left	ZC



FGV PCD Floor grinding shoe

for removing coatings and persistent materials on mineral surfaces



Application:

- Removal of coatings (up to 3 mm thick) on cementitious surfaces.
 Materials: epoxy and other resin coatings, MMA, glue, mastic.
- Developed for lighter to medium heavy machines (70 -200 kg), e.g. Tyrolit FGE280 or FGE515
- + Also suitable for heavier floor grinders (300 -600 kg), for a very aggressive performance

Features

- Long product life and aggressive performance due to the round segment shape (ZS segment shape)
- + The protection segment provides a smooth working process and an even surface along with long product life



Type no.	Number PCD Segments	Rotational direction	Segment shape
34687767	2	right	ZS
34687768	2	left	ZS



FGV PCD Floor grinding shoe with Split-segments for removing coatings and persistent materials on mineral surfaces



Application:

- Removal of coatings (1-2 mm thick) on cementitious surfaces.
 Materials: epoxy and other resin coatings, MMA, glue, mastic, color finish.
- + Developed for all kind of floor grinders independent of their weight and electrical power

Features:

- + Aggressive performance on thin coatings due to the sharp diamond splits (PCD split)
- + Segments with a height of 13 mm for a long product life

	Type no.	Number PCD Segments	Segment height	
700 L	34687769	2	13 mm	
(80)				



FGV PCD Cup wheel

for removing coatings and persistent materials on mineral surfaces



Application:

- Removal of coatings (up to 3 mm thick) on cementitious surfaces.
 Materials: epoxy and other resin coatings, MMA, glue, mastic.
- + For the use on all standard angle grinders and hand-held concrete
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

- Long product life and aggressive performance due to the round segment shape (ZS segment shape)
- + Protection segments provide a smooth working process and an even surface along with long product life

	Type no.	Dimensions	Number PCD Segments	Segment shape	
	34687770	125 mm × 22.23 mm	4	ZS	
(33)	34687784	150 mm × 19 mm	5	ZS	



FGV PCD Cup wheel

for removing coatings and persistent materials on mineral surfaces



Application:

- Removal of coatings (up to 2 mm thick) on cementitious surfaces.
 Materials: epoxy and other resin coatings, MMA, glue, mastic.
- + For the use on all standard angle grinders and hand-held concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

+ Very aggressive performance due to the small cuboid segment shape (CU segment shape)

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Type no.	Dimensions	Number PCD Segments	Segment shape
34687781	125 mm × 22.23 mm	15	CU
34687783	150 mm × 19 mm	16	CU



FGV PCD Cup wheel with Split-segments for removing coatings and persistent materials on mineral surfaces



Application:

- Removal of coatings (1-2 mm thick) on cementitious surfaces.
 Materials: epoxy and other resin coatings, MMA, glue, mastic, color finish
- + For the use on all standard angle grinders and handheld concrete grinders
- + 150 mm cup wheel with arbor hole of 19 mm, for HILTI concrete grinder DG(H)150

Features:

 Aggressive performance on thin coatings due to the sharp diamond splits (PCD split)



Type no.	Dimensions	Number PCD Segments
34687782	125 mm × 22.23 mm	6
34687785	150 mm × 19 mm	7

Ceramic Bond Tools for Transitional Grinding



FTGC Ceramic bond diamond tool

for transitional grinding of concrete and Terrazzo



Application:

- + Removal of scratches on concrete or Terrazzo surfaces as a transition to the polishing process
- Velcro tool, to be used with a Velcro tool holder on all kinds of floor grinders.

Features:

- + Very effective performance for the removal of the scratches caused by metal bond tools
- + For concrete with aggregates of any hardness (soft to extremely hard)

We recommend:

+ Various Velcro tool holders from Tyrolit range

Type no.	Colour	Grit size	Diameter	Tool holding type
34686560		30#	80 mm	Velcro
34686671		50#	80 mm	Velcro
34686672		100#	80 mm	Velcro
34686673		200#	80 mm	Velcro



FTGC Ceramic bond diamond cup wheel

for transitional grinding of concrete and Terrazzo

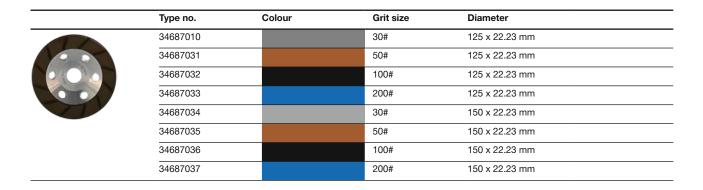


Application:

- + Removal of scratches on concrete or Terrazzo surfaces as a transition to the polishing process
- For the use on all standard angle grinders and hand-held concrete grinders

Features:

- Very effective performance for the removal of the scratches caused by metal bond tools
- + For concrete with all types of hardness (from soft to extremely hard)
- + No additional tool holder necessary, as the cup wheel is mounted directly on the grinding machine



Resin Bond Tools for Polishing



FPC Resin bond diamond tool

for polishing soft to medium hard concrete and terrazzo



Application:

- + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
- + With velcro, for the use on all standard angle grinders and handheld concrete grinders

Features:

+ High gloss in few polishing steps

We recommend:

+ Different Velcro adapters from Tyrolit available

	Type no.	Colour	Grit size	Diameter	Tool holding type
	34686690		50#	80 mm	Velcro
	34686751		100#	80 mm	Velcro
	34686752		200#	80 mm	Velcro
	34686753		400#	80 mm	Velcro
	34686754		800#	80 mm	Velcro
	34686755		1500#	80 mm	Velcro
	34686757		3000#	80 mm	Velcro



FPC Resin bond diamond tool

for polishing hard to very hard concrete and terrazzo



Application:

- + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
- With velcro, for the use on all standard angle grinders and handheld concrete grinders

Features:

+ High gloss in few polishing steps

We recommend:

+ Different Velcro adapters from Tyrolit available

Type no.	Colour	Grit size	Diameter	Tool holding type
34687509		50#	80 mm	Velcro
34687512		100#	80 mm	Velcro
34687513		200#	80 mm	Velcro
34687514		400#	80 mm	Velcro
34687515		800#	80 mm	Velcro
34687516		1500#	80 mm	Velcro
34687517		3000#	80 mm	Velcro
	34687509 34687512 34687513 34687514 34687515 34687516	34687509 34687512 34687513 34687514 34687515 34687516	34687509 50# 34687512 100# 34687513 200# 34687514 400# 34687515 800# 34687516 1500#	34687509 50# 80 mm 34687512 100# 80 mm 34687513 200# 80 mm 34687514 400# 80 mm 34687515 800# 80 mm 34687516 1500# 80 mm



FPC Resin bond diamond tool

for polishing concrete and terrazzo



Application:

- + Applying (high) gloss finish in the final polishing process, for perfect and shiny surface
- + For the use on all standard angle grinders and hand-held concrete grinders
- For the use on an angle grinder or hand-held concrete grinder, avelcro backer pad needs to be used

We recommend:

- + Tyrolit Velcro tool holders for the angle grinders or handheld concrete grinders:
 - 125 mm, aluminium: TN 34703857
 125 mm, rubber: TN 34703858
 180 mm, aluminium: TN 34703860
 180 mm, rubber: TN 34703881

Features

+ High gloss in few polishing steps

	Type no.	Colour	Grit size	Diameter	Tool holding type
alla.	34687518		50#	125 mm	Velcro
	34687519		100#	125 mm	Velcro
	34687520		200#	125 mm	Velcro
	34687521		400#	125 mm	Velcro
William.	34687522		800#	125 mm	Velcro
	34687523		1500#	125 mm	Velcro
	34687524		3000#	125 mm	Velcro
	34687525		50#	180 mm	Velcro
	34687526		100#	180 mm	Velcro
	34687527		200#	180 mm	Velcro
	34687528		400#	180 mm	Velcro
	34687529		800#	180 mm	Velcro
	34687530		1500#	180 mm	Velcro
	34687531		3000#	180 mm	Velcro



FGPU Grinding and polishing pad with resin bond diamond segments



for various applications on concrete, terrazzo and many other surfaces

Application:

- For grinding and polishing using the floor grinder on various floors, e.g. concrete, stone, coated floors, screed
- - small defects or scratches occuring later in the grinding or polishing process
 - removing of damages or tenacious impurities on (semi) finished floors

- paint or concrete splatters, scratches or chippings

Features:

+ Ideal tool for polishing floors with cream finishing (without visible aggregates)

Ideal for grinding and polishing of uneven floors, due to the flexible fibre structure of the pads



Type no.	Colour	Grit size	Diameter	Tool holding type
34705565		50#	180 mm	Velcro
34705566		100#	180 mm	Velcro
34705567		200#	180 mm	Velcro
34705569		400#	180 mm	Velcro
34705570		800#	180 mm	Velcro
34705581		1500#	180 mm	Velcro
34705582		3000#	180 mm	Velcro
34687789		50#	230 mm	Velcro
34687790		100#	230 mm	Velcro
34687801		200#	230 mm	Velcro
34687803		400#	230 mm	Velcro
34687804		800#	230 mm	Velcro
34687805		1500#	230 mm	Velcro
34687807		3000#	230 mm	Velcro
34687808		50#	280 mm	Velcro
34687809		100#	280 mm	Velcro
34687810		200#	280 mm	Velcro
34687811		400#	280 mm	Velcro
34687812		800#	280 mm	Velcro
34687813		1500#	280 mm	Velcro
34687814		3000#	280 mm	Velcro

Diamond Pads for Polishing and Maintenance



FMU Diamond maintenance pad

for polishing and maintaining mineral surfaces



Application:

- + For maintenance and cleaning of finished floors, e.g. concrete or stone floors, screed, coated floors
- + For the revival of older floors: cleaning and burnishing up to a high gloss finish
- + For the use with cleaning machines or high speed burnishers

We recommend:

- + Use dry for maintenance or high gloss polishing using burnishing machines
- + Use wet for the cleaning procedure (using cleaning machines)

	Type no.	Colour	Grit size	Diameter	Tool holding type
	34688940		400#	430 mm	Velcro
ATTENDA	34688961		800#	430 mm	Velcro
图 2000 2000 2000 2000 2000 2000 2000 20	34688962		1500#	430 mm	Velcro
	34688963		3000#	430 mm	Velcro
	34688964		400#	500 mm	Velcro
	34688965		800#	500 mm	Velcro
	34688966		1500#	500 mm	Velcro
	34688967		3000#	500 mm	Velcro
	34688968		400#	685 mm	Velcro
	34688969		800#	685 mm	Velcro
	34688970		1500#	685 mm	Velcro
	34688971		3000#	685 mm	Velcro

BUSH HAMMER TOOLS 71

Bush Hammer Tools



BHU Bush hammer tool

for machining various mineral surfaces such as concrete, asphalt or stone





Type no.	Colour	Structure	Machine	Number of rolls
34567495		coarse	Tyrolit FGE515	3
34567497		medium coarse	Tyrolit FGE515	3
34567499		fine	Tyrolit FGE515	3
34567521		medium coarse	Tyrolit FGE780	6
34567522		mittel	Tyrolit FGE780	6
34567523		fine	Tyrolit FGE780	6



BHU Bush hammer tool for machines of other manufacturers

for machining various mineral surfaces such as concrete, asphalt or stone





	Type no.	Colour	Structure	Machine	Number of rolls
	34511286		coarse	Blastrac / Diamatic	3
	34511292		medium	BMG 535 / 555 / 580 PRO	3
	34511298		fine	—— 185 mm ——————————————————————————————————	3
	34511301		coarse	Blastrac / Diamatic	5
	34511302		medium	BMG 735 / 780 PRO+RS / 2200	5
	34511303		fine	— 240 mm	5
	34510513		coarse	HTC 500 / 650 / Duratig 5/6 / 550 Grey I.	3
	34511289		medium	Schwamborn DSM 530 / 650	3
	34511295		fine	— 230 mm	3
	34511305		coarse	HTC 800 / 950 / 1500 / 2500 / Duratig 8	6
	34511306		medium	Schwamborn DSM 800 6	6
	34511307		fine		6
	34510875		coarse	Lavina Elite Serie 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	3
	34511290		medium		3
	34511296		fine		3
	34511285		coarse		3
	34511291		medium	Janser TRI-VARO 500 / 650	3
	34511297		fine	— 225 mm	3
	34511287		coarse		3
	34511293		medium	Scanmaskin Combiflex 650 220 mm	3
	34511299		fine	220 111111	3
	34511288		coarse	Scanmaskin	3
	34511294		medium	Combiflex 700, 800, 1000	3
	34511300		fine	— 240 mm — 3	3

BUSH HAMMER TOOLS 72



BHU Bush hammer tool spare part

for machining various mineral surfaces such as concrete, asphalt or stone

Type no.	Colour	Structure	Number of rolls
34511308		coarse	1
34511309		medium coarse	1
34511310		fine	1

Hikoki SP 18 VA Hand-held bush hammer machine

for machining various mineral surfaces such as concrete, asphalt or stone

Application:

+ For bush hammering surfaces that are difficult to access such as stairs or along the wall

	Type no.		
***	34618626	'	





BHU Bush hammer tool for Hikoki SP 18 VA

for machining various mineral surfaces such as concrete, asphalt or stone

Type no.	Colour	Structure	Number of rolls
34618623		coarse	3
34618624		medium coarse	3
34618625		fine	3

Accessories and Adapters



Tool holder plate for Tyrolit machines



for Tyrolit floor grinding shoes



Type no.	Machine	Diameter	Number of connections
34511140	FGE280	280 mm	6
34511139	FGE400	400 mm	8
34704972	FGE450	180 mm	3
34567446	FGE515	230 mm	6
34567448	FGE780	290 mm	6



Velcro tool holder







Type no.	Machine	Diameter
34705198	FGE280	280 mm
34703565	FGE450	180 mm
34637280	FGE515	230 mm
34677772	FGE515 with foam rubber padding	230 mm
34640832	FGE780	290 mm
34677773	FGE780 with foam rubber padding	290 mm
34687078	EC-to-Velcro-Holder (lippage holder)	80 mm



Flexible pad with double-sided velcro for additional flexibility of velcro tool holder plates





Type no.	Material	Diameter
34705199	Rubber	180 mm
34705200	Foam rubber	180 mm
34677776	Rubber	230 mm
34677774	Foam rubber	230 mm
34677777	Rubber	290 mm
34677775	Foam rubber	290 mm



Velcro tool holder for angle grinders with M14 connection





Type no.	Material	Diameter	
34703857	Aluminium	125 mm	
34703858	Rubber	125 mm	
34703859	Plastic	125 mm	
34703860	Aluminium	180 mm	
34703881	Rubber	180 mm	
34703882	Plastic	180 mm	



Tool holders for machines of other manufacturers for Tyrolit floor grinding shoes





Туре по.	Manufacturer	Diameter	Number of connections
34511134	DIAMATIC	185 mm	3
34511135	DIAMATIC	240 mm	3
34511136	HUSQVARNA	180 mm	3
34511137	HUSQVARNA	230 mm	6
34511138	HUSQVARNA	270 mm	6
34511141	SCANMASKIN	160 mm	6
34511142	SCANMASKIN	212 mm	3
34511143	SCANMASKIN	240 mm	6
34511144	SCANMASKIN	330 mm	9
34511145	SCHWAMBORN	180 mm	6
34511146	SCHWAMBORN	200 mm	3
34511150	PREPMASTER	-	1
34511416	HTC	180 mm	3
34511417	HTC	230 mm	6
34511418	HTC	270 mm	6
34512044	SCHWAMBORN	160 mm	6
34512046	SCHWAMBORN LOVEJOY*	250 mm	6
34556534	SCHWAMBORN SGFLEX**	250 mm	6
34512047	SCHWAMBORN	400 mm	9
34691342	CONTEC Omega 450	450 mm	6
34691343	MKS-PDG5000	200 mm	3
34705213	BLASTRAC BG250	250 mm	3

^{*} for Schwamborn floor grinders with a 250 mm tool holder plate and Lovejoy connection (production before July 2020).
** for Schwamborn floor grinders with a 250 mm tool holder plate and SGFlex connection (production after July 2020).



Mohs Hardness Test Kit for defining floor hardness

Type no.



34701860

Floor Grinding Chemicals

In addition to machines and tools for floor grinding, the Tyrolit product range also includes chemical surface treatment agents, which are used at the end of each phase of floor grinding:

1. Rough grinding

Metal-bond tools with grit size from 16 - 120

In order to smooth a new floor, the raw, dried out floor has at first to be ground with metal-bond diamond tools with a coarse grit size (16-120). In this step, also the final look of the floor is determined:

This means that the more aggregate that is to be visible in the final floor, the deeper the floor must be ground. In this phase, minor damage to the floor, such

as cracks or splintering, can occur. Once the rough grinding is completed, any possible damages are to be repaired by using the **Tyrolit Pore Filler 100 or Tyrolit Easy Grout.**

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2. Transitional grinding

Ceramic-resin bond tools with grit size from 30 – 100

After performing repairs with the Tyrolit Pore Filler 100, the floor is machined using resin or ceramic bond diamond tools. In this phase, the floor is given a smooth, but not yet glossy surface. Upon completion of this grinding step, no more material has to be ground off during subsequent machining. In a next step, the mechanical properties of the floor are optimised.

Tyrolit recommends the use of **Tyrolit Densifier 3** for this purpose in order to densify and harden the floor surface. Thus, the floor is ideally prepared for mechanical loads.



3. Polishing

Resin-bond tools with arit size from 50 – 3000

After using the Tyrolit Densifier 3, the floor is given its final gloss, for which resin-bond diamond tools with a fine grit size are used. At the end of this process, the floor is impregnated and sealed. This offers long-lasting protection against contamination and the penetration of liquids and greases.

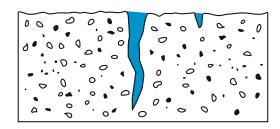
Tyrolit Sealer 50 or Tyrolit Premium Sealer WB. In the case of a simple floor preparation with only a few grinding or polishing steps, the use of Tyrolit DUO 30 is also recommended, as it hardens and seals in just one step.



Effect of the chemicals at a glance

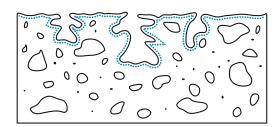
Tyrolit Pore Filler 100 oder Tyrolit Easy Grout Repairing minor damages

After rough grinding



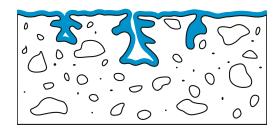
Tyrolit Densifier 3 Hardens and densifies the floor

After transitional grinding



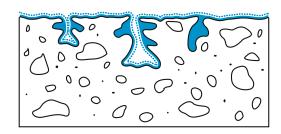
Tyrolit Sealer 50 Seals the floor (film forming)

After polishing



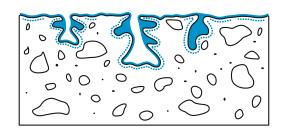
Tyrolit Premium Sealer WB Seals the floor (not film forming)

After polishing



Tyrolit Duo 30 Combination of densification and sealing

After polishing



Floor Grinding Chemicals

Tyrolit Pore Filler 100

for surface treatment of cementitious surfaces | 9 litres

The Tyrolit Pore Filler 100 is used to close pores, holes and small cracks of max. 4-5 mm on ground floors and screeds. For this purpose, the Pore Filler 100 is mixed with grinding dust in order to provide the filler

compound with a look similar to the floor. The compound is then used to manually fill cracks and holes in the floor. The Tyrolit Pore Filler 100 is ideal for smaller to medium-sized floors.

Type no.



20083856

Tyrolit Easy Grout

for surface treatment of cementitious surfaces | 20 litres

The Tyrolit Easy Grout is used to close pores, holes and small cracks of max. 2-3 mm on ground floors and screeds. For that purpose, the Easy Grout is sprayed on to the floor during the grinding process. The resulting mix of grinding dust and Easy Grout acts as a filler and is worked into the surface while grinding the floor. Ideal grinding step for the Easy Grout:

rough grinding w/ metal bond tools, grit size 80 - 120#. The Tyrolit Easy Grout is the ideal solution for grouting large surfaces.

Type no.



20097378

Tyrolit Densifier 3

for densifying and hardening mineral surfaces | 20 litres

Tyrolit Densifier 3 is a concrete densifier and surface hardener. It is used after the grinding steps (and before the polishing steps), in order to give the floor its final mechanical properties. Densifier 3 consists of mixed silicates which densify the mineral surfaces and have a dust-binding effect. The resistance of the floor to mechanical loads and abrasion is improved by

hardening and densification. The resistance of the floor to water absorption is also increased

Type no.



20083477

Tyrolit Sealer 50

water-based sealer for cementitious surfaces, film-forming | 10 litres

Treatment with Tyrolit Sealer 50 reduces the penetration of liquids, greases and dirt. The sealer is applied after the final polishing of the floor. To increase the gloss, the floor can be polished again after application of Sealer 50.

Additional hazard characteristics

 $\label{lem:eq:energy} EEUH208\ Contains\ a\ mixture\ of:\ 5-chloro-2-methyl-2H-isothiazol-\ 3-one\ and\ 2-methyl-2H-isothiazol-\ 3-one\ (3:1).\ May\ produce\ an\ allergic\ reaction.$

Safety information/Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Type no.



20083643

Tyrolit Premium Sealer WB

water-based premium sealer for cementitious surfaces | 10 litres

The treatment of the floor with the Tyrolit Premium Sealer WB reduces the penetration of liquids, grease and dirt. The penetration of water is reduced considerably while the floor remains vapour permeable. The Premium Sealer WB is applied after the final polishing step. The application may slightly intensify the colour(s) of the floor. After the application of the

Hazard information for physical hazards

H225 Highly flammable liquid and vapour.

Hazard information for health hazards

H319 Causes serious eye irritation.

Safety information/Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P260 Do not breathe dust / furme / gas / mist / vapours / spray. P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing / eye protection / face protection.

Premium Sealer WB the floor may be burnished in order to increase the gloss of the floor. The components of the sealer are mostly UV-resistant and non-yellowing.

Safety information/Response

P305 + P351 + P338

IF IN EYES: Rinse gently with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.





Type no.



20088743

Tyrolit Duo 30 the combination of densification and surface protection | 20 litres

Tyrolit Duo 30 densifies the floor. It also reduces the penetration of liquids and dirt, while the surface diffusion remains open. The result is a floor with improved abrasion resistance. The surface is also easier to clean and is less susceptible to stains and soiling.

Type no. 20083855

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Our worldwide subsidiary companies can be found on our website at **www.tyrolit.com**











