

Good. Safe. Yellow.

**Klingspor solutions for the
construction industry**



Klingspor
Abrasive Technology





Developed in Germany. Engineered in Europe.

Klingspor is one of the world's leading manufacturers of grinding solutions and has been setting new standards in abrasive technology for 125 years. The company's product range comprises of over 50,000 products that are designed for finishing surfaces and for cutting through materials. Klingspor embodies premium quality, innovative concepts and unwavering customer orientation.



Diamond products from our own production

For decades, our Research and Development department in Haiger, Germany, has continuously raised the bar in terms of enhancing technologies applied to cutting and grinding. The Haiger specialists have now also laid the foundation for diamond tools that are without equal in the realms of quality and reliability.

Klingspor's production facilities for diamond tools set themselves apart by their state-of-the-art machinery and exceptionally well-trained personnel. Close control of all details and work steps guarantee products that deliver consistently high quality.



oSa-certified security

Just as our cutting-off wheels and grinding discs, Klingspor's diamond tools meet the strict oSa guidelines and are guaranteed to comply with the European safety standard – for improved safety during use.



Our product range: As multifaceted as your building project

Every building project carries enormous challenges – both for the user and the tools used.

A myriad of the most varied applications and materials requires an extensive product portfolio. Aside from classic diamond tools for mineral-based materials, we at Klingspor offer an expansive selection of cutting-off and grinding tools for processing nearly all types of materials you will come across on a construction site.

Better yet, all of these products satisfy the most stringent quality and safety standards.



Target industries

Building construction



Roofing work



Shell erection

Underground construction



Utilities and services, pipe line and cables



Road and railway construction

Finishings



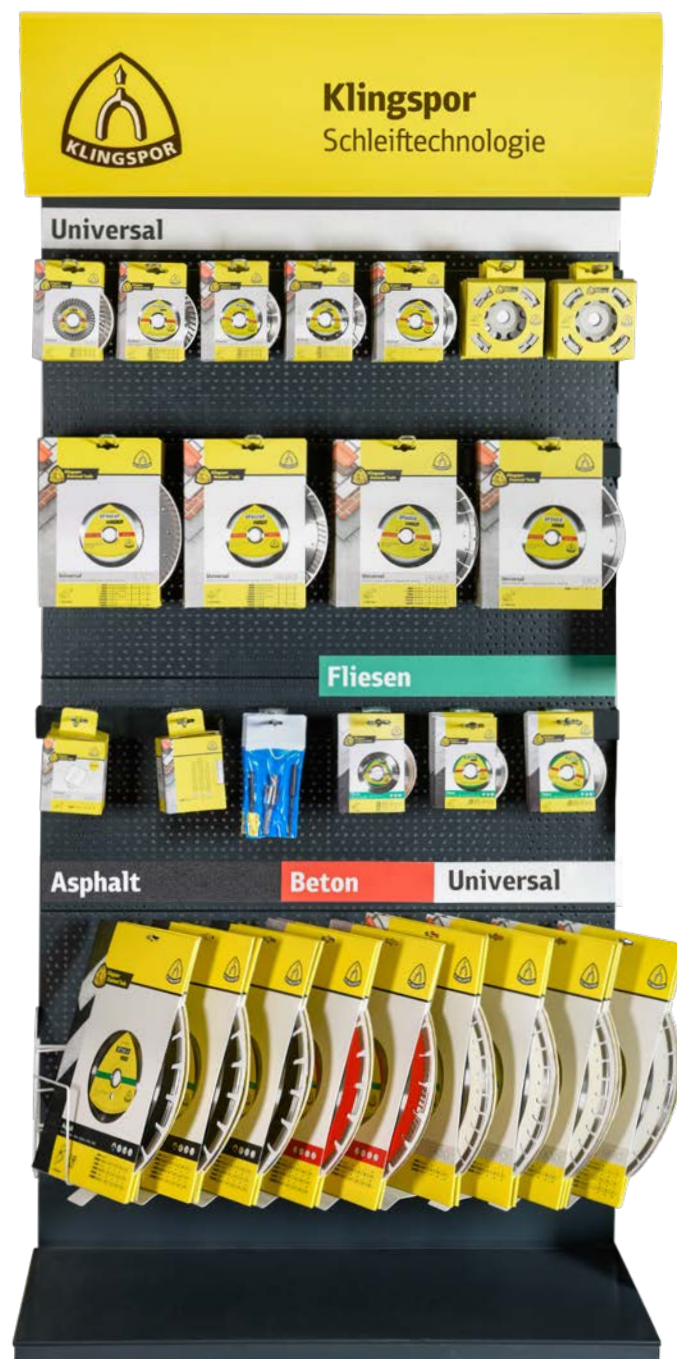
Drywalling and electrical installation



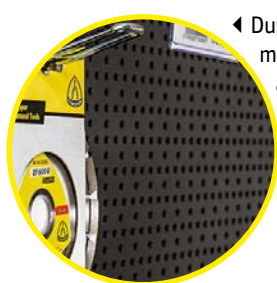
Tiling and sanitary installations



Efficient point-of-sale solutions by Klingspor – More success for retailers and consumers



*exemplary representation



► Durable Tego wall, for maximum flexibility and a long service life

► Backlit header panels perfectly showcase the point of sale



► Flexible magnetic foils for easy design and more orientation at the point of sale



The high-quality point-of-sale solutions by Klingspor optimise the sales process and increase sales in the specialist retail sector.

Thanks to an intelligent product presentation, clear displays and informative signage, our solutions provide a clear guide for end users and make the purchase decision easier.

For the **retail trade**, this means:

- Increased sales figures through optimised product presentation
- Space-saving and modular systems, individually adaptable to any sales area
- Fast orientation for customers, less consulting effort for the sales staff
- Professional brand presence that inspires confidence

For the professional **end user**, our POS solutions offer clear advantages:

- Intuitive navigation thanks to a structured and well-labeled product arrangement
- Quick product selection without having to search for the right abrasive
- Useful application tips directly on the shelf for perfect results
- Access to innovative products that catch the eye

With point of sale solutions from Klingspor, specialist retailers benefit from an attractive, sales-promoting range, while end users enjoy an optimal buying experience.

Better overview, more efficiency, more sales – Klingspor makes the difference at the point of sale!



Table of Contents

1. Cutting at the construction site

Angle grinder	pages 13-16
Petrol-powered cutter.....	pages 17-19
Table saw	pages 19-21
Floor saw.....	pages 21-23
Chop saw.....	page 23



2. Grinding at the construction site

Angle grinder	pages 29, 31
Random orbital sander.....	pages 30, 32
Long neck sander	page 32
Off-hand grinding.....	page 33



3. Drilling at the construction site

Drill stand / percussion drill.....	pages 37-38
Cordless screwdriver.....	page 39
Angle grinder	page 39





Cutting at the construction site

Safe and efficient with Klingspor

The cutting of mineral-based or metal materials is one of the main applications at the construction site. Whether needed for cutting paving stones to size, for precisely fitting tiles or fine stoneware or even for performing heavy-duty tasks in road building – Klingspor offers a wide selection of diamond cutting blades that will master any challenge you throw at them. No matter where professionals set their priorities, Klingspor has the right solution: Aggressive, yet whisper-quiet cutting-off wheels for gardening and landscaping, comfort and long service life for road building or tools for sanitary installations.

Construction professionals will also appreciate Klingspor's vast selection of resinoid Kronenflex® cutting-off wheels: Whether they require large cutting-off wheels for railway construction, particularly aggressive cutting-off wheels for channel construction or tools for interior finishing work.

And, there is one thing that users can always rely on: Satisfying the strictest quality and safety standards, all Klingspor tools ensure the highest level of safety for the user at all times.

Discover our product highlights on the following pages sorted by application and material and quickly find the product that fits your requirements best.

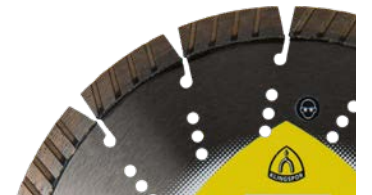


The right tool for every construction site

Every application poses new challenges for your tools. Picking the right tool for the job is pivotal.

Segmented diamond cutting blades

Ideally suited for universal use on the construction site as they stand out with their extreme aggressiveness and long service life. The individual diamond segments smoothly and steadily work their way through all general construction materials and are thus perfect for use in gardening and landscaping.



Diamond cutting blades with a continuous rim

Tiles, stove tiles or fine stoneware have a tendency to break out at the edges during cutting. The model with the continuous rim keeps the edges from breaking out and allows for cuts with perfectly clean edges. These cutting blades are recommended especially for work on sanitary installations and for roofers and tilers.



Vacuum-brazed diamond cutting blades

These all-rounders among cutting blades can be used for all types of material. Whether for demolition work, rescue operations or even work in your own home – these blades are always the right choice.



Large cutting-off wheels for tabletop machines

Large resinoid cutting-off wheels for use on a variety of tabletop machines. Easy to handle, these wheels deliver straight cut edges, making them indispensable helpers for interior and exterior finishing work, e.g. for cutting profiles to size.



Large cutting-off wheels for railway construction

Cutting rails poses a challenge of particular magnitude for tool and user alike. We offer large cutting-off wheels that have been designed specifically for this use case and that stand out with their exceptional aggressiveness and long service life. The phenomenal price-performance ratio of these wheels is greatly appreciated - especially by railway construction businesses.



Large cutting-off wheels for petrol-powered cutters

Whether used in road building, for demolition work or for building tin roofs – these cutting-off wheels deliver a particularly high level of stability and aggressiveness. The handling of these heavy machines is thus improved dramatically – allowing you to work with greater ease and safety.



Resinoid cutting-off wheels for angle grinders

Resinoid cutting-off wheels are a staple tool at every construction site. Whether they are used for cutting rebars, metal profiles, pipes or even solid material: Cutting-off wheels can be used for countless applications – both during shell construction and interior finishing work. Paired with either low-power or high-power angle grinders, they always prove to be exceptionally efficient and offer good and effortless handling.





The three product lines

The right tool for every requirement: Klingspor diamond tools are available in three product lines with seven colour codes to provide the user with a quick overview of the most important materials for which the tools are suitable.



SPECIAL ★★★★★

Product line 900 – high performance tools with outstanding performance and service life. For users who need their tools to perform at peak output and reliability even if subjected to the most punishing applications.



SUPRA ★★★★★☆

Product line 600 – professional tools with an outstanding price-performance ratio. For users who require diamond tools that deliver reliable and powerful performance every day.

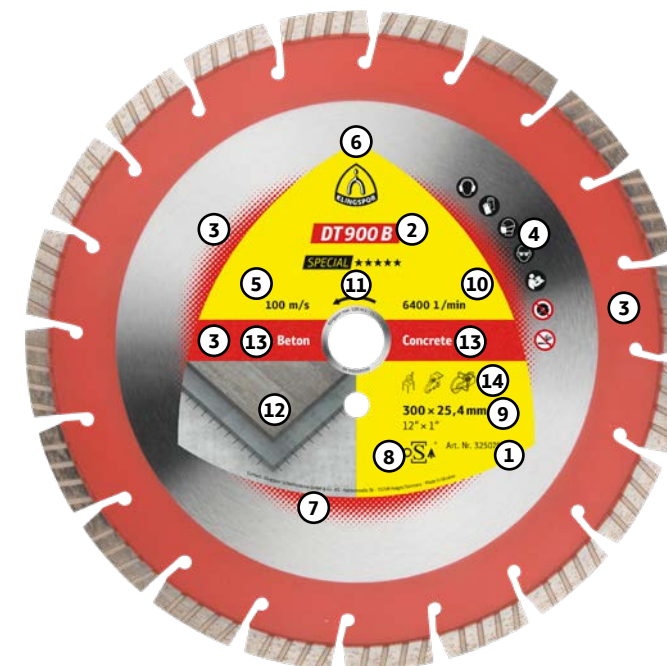


EXTRA ★★★★★☆

Product line 300 – brand quality at an attractive price. For users who expect their tools to meet professional standards, but do not need to use them continuously.



1. Klingspor item number
2. Type designation
3. Colour code
4. Safety pictograms
5. Maximum operating speed
6. Klingspor logo
7. Information about the manufacturer



8. Safety standard
9. Dimensions in mm and inches
10. Maximum permissible rotational speed
11. Rotational direction arrow
12. Picture application area
13. Text application area
14. Machine pictograms

Colour coding system of Klingspor® diamond tools

Asphalt

Black



Tiles

Green



Stone / Fireproof

Blue



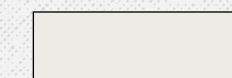
Concrete

Red



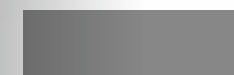
Universal

White



Metal

Grey



Special application

Yellow



Pictograms on the product pages



Wet and dry applications



Wet applications



Dry applications



Tapered segment



Detenso steel core



Wet applications



Dry applications



Turbo segment



Drop segment



Inclined protective segment



Sandwich core



Set diamonds



Kronenflex® cutting-off wheels and grinding discs

1. Label and cover sheet

The label contains all important information about the product, the manufacturer and the proper handling of the abrasive tool

2. Blend

The grain: Today, all types of abrasive grain are made synthetically. Only synthetically made grain ensures consistently high quality in terms of the wear and cutting characteristics of the wheel.

Resins and filler materials:

Other components essential to cutting-off wheels and grinding discs are resins (liquid and dry) and filler materials. These components make it possible during manufacturing to regulate such properties of the wheel as stability, stock removal rate, hardness and burst resistance and to adjust these properties to each specific application.



3. Metal ring

Provides information on the durability (expiration date) of the wheel

4. Glass fibre mesh

Adding stability as a reinforcing insert, the glass fibre mesh improves the safety of the wheel. The glass fibre meshes have been optimised for each type and purpose of the wheel with regard to their quantity and thickness. The greater the potential lateral load of a cutting-off wheel (which will, for instance, be greater during off-hand grinding than during stationary cutting), the greater the quantity / stability of the glass fibre mesh in the cutting-off wheel needs to be. The mesh used in thin cutting-off wheels (0.8 mm to 1.0 mm) is particularly thin in order to ensure that the portion of abrasive grain between the mesh layers is as high as possible despite the small thickness of the wheel. Grinding discs contain a glass fibre mesh with at least 3 layers.

Pictograms on the product pages



One glass fibre mesh



Two glass fibre meshes



Free of iron, sulphur and chlorine



Packaged in units of 25 pcs each in the Kronenflex® Tub for consistently high performance and protection from moisture



Quarter	
V 01	January–March
V 04	April–June
V 07	July–September
V 10	October–December

Safety and storage

The durability of cutting-off wheels and grinding discs primarily hinges on their moisture concentration. Cutting-off wheels and grinding discs that are exposed to elevated levels of moisture after production will no longer have their original service life. If stored appropriately, the discs will have a service life that remains nearly constant for years. Cutting-off wheels and grinding discs turn into a safety risk if they are directly exposed to water or water vapour.

The user is required to use the product as intended. For legal reasons, the same applies with regard to the expiration date. It is therefore essential that cutting-off wheels and grinding discs never be used past their expiration date.

Safe working ...

... by using caution and being aware of the hazards

Avoid the hazards listed below when using cutting-off wheels and grinding discs.

- ▶ Contact with rotating abrasive discs
- ▶ Breakage of the abrasive disc
- ▶ Deposits of grinding swarf and dust
- ▶ Vibrations
- ▶ Noise

... by using personal protective equipment

Wearing protective goggles, gloves, hearing protection and a dust mask is mandatory. Heavy-duty abrasive applications also require the wearing of a face mask, a leather apron and safety shoes.

... by using protective caps on the machine

Protective caps are delivered along with the grinder and must neither be altered nor removed. Cup grinders require that their exterior surface be enclosed entirely.

Another requirement is that cup grinders may only be used in combination with an adjustable protective cap, which is necessary to offset the wear of the disc and limit the stripping of the disc to a minimum.

... by performing visual inspections and checks prior to installation

Make sure the rotational speeds specified on the disc match the speed of the machine and refrain from exceeding the permissible rotational speed.

Carefully check the cutting-off wheels and grinding discs for damage. Any product showing noticeable damage must not be used. Our cutting-off wheels and grinding discs are labelled with the corresponding safety pictogram.

... by exercising proper handling

Make sure to exercise proper handling. This includes avoiding damage to the receiving hole or subjecting the disc to impact, forces or drops.

Make sure to mount the wheels properly and securely and use the appropriate wheel flanges.

Before starting to work, you should let each abrasive disc run at operating speed for at least 30 seconds.

Observe the FEPA safety regulations and European standard 12413.

Key parameters for accomplishing an optimised grinding result with cutting-off wheels or grinding discs are the circumferential speed and the tool pressure with which you work.



The optimum speed

Too low

If the rotational speed of the machine used is too low, cutting-off wheels and grinding discs tend to "bounce", resulting in uneven wear on the rim of the discs. Especially when working on materials with thin cross sections, e.g. when cutting sheets or wire, the bouncing will rip the grain out of the bond and cause the disc to wear out at a disproportionately quick rate.

Optimum

The cutting-off wheels and grinding discs made by Klingspor are high performance products and have been engineered such that they reach their best performance (measured as the ratio of stock removal to disc wear) immediately below their maximum permissible circumferential speed. It is therefore necessary that you keep the rotational speed at a continuously high rate and that you select a machine with a higher motor capacity if necessary.

Too high

The maximum permissible values for rotational speed and circumferential speed are printed on the label found on each disc. In the interest of your own safety, make sure to never exceed the indicated values during grinding.

The proper tool pressure

One major prerequisite for achieving a satisfying result during abrasive cutting is to apply the right amount of tool pressure.

One commonly made mistake is to lower the tool pressure in a bid to reduce the strain on the wheel and to extend the duration of the cut. This approach will result in overheating on the material (blue discolouration); the cutting-off wheel will clog and "burn".

You should therefore always select a tool pressure that is high enough to keep the cutting time as short as possible. This holds true, in particular, for materials that are sensitive to heat and have larger material cross sections.

The proper hardness

For cutting-off wheels

There is a rule of thumb that helps you select the right cutting-off wheel: the softness of the bond of the abrasive used should increase with the hardness of the material to be processed. The reason: The key question determining the service life of a cutting-off wheel is whether the cut surface of the workpiece will harden or not. Excess heating will cause the wheel to "vitrify" and thus experience a drop in cutting performance. In that case, you should reduce the hardness of the bond and use a wheel that is softer.

For grinding discs

Grinding discs follow the same "rule of thumb": the harder the material, the softer the bond of the abrasive disc. What is more, the processing purpose plays a decisive role as well.

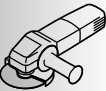








Extremely sharp-edged, corners and burrs will easily rip the abrasive grain out of the bond. It is therefore advisable to select a harder bond.

Conversely, if you pick a disc that is too hard for work on surfaces / small weld seams, the disc will quickly become dull and lose its bite. While you would achieve good service life, the stock removal would be low and involve high labour costs.

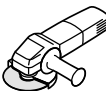



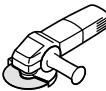







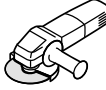
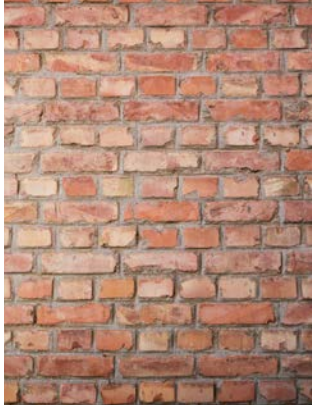


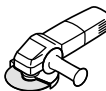


It is thus best to select a medium of soft disc bond for surface grinding.



Product overview "Cutting"

Application	Properties	Product	Dimensions in mm	Item number
 Cutting of general construction site materials 	<ul style="list-style-type: none">▶ Universal diamond cutting blades for general construction material▶ Segment: laser-welded, standard segment, 7 mm	 DT 300 U EXTRA	115 × 1,6 × 22,23 125 × 1,6 × 22,23 180 × 2 × 22,23 230 × 2,3 × 22,23	325345 325346 325347 325348
	<ul style="list-style-type: none">▶ Diamond cutting blade at an attractive price – suitable for all types of roof tiles▶ Turbo segments for clean cut edges▶ Steel core: cooling bores for improved heat dissipation▶ Segment: sintered, closed turbo segment, 7 mm	 DT 300 UT EXTRA	100 × 1,9 × 22,23 115 × 1,9 × 22,23 125 × 1,9 × 22,23 180 × 2,2 × 22,23 230 × 2,5 × 22,23	330625 325353 325354 325355 325356
	<ul style="list-style-type: none">▶ Diamond cutting blade for all types of roof tiles▶ Significantly longer service life compared to DT 300 UT▶ Turbo segments for clean cut edges▶ Steel core: cooling bores for improved heat dissipation▶ Segment: sintered, closed turbo segment, 10 mm	 DT 310 UT EXTRA	100 × 2 × 22,23 115 × 2 × 22,23 125 × 2 × 22,23 180 × 2,5 × 22,23 230 × 2,5 × 22,23	334087 334088 334089 334090 334091
	<ul style="list-style-type: none">▶ Universal diamond cutting blade for general construction material – attractive alternative to sintered diamond cutting blades▶ Segment: laser-welded, standard segment, 10 mm	 DT 350 U EXTRA	115 × 2,4 × 22,23 115 × 2,4 × 22,23 125 × 2,4 × 22,23 125 × 2,4 × 22,23 180 × 2,6 × 22,23 230 × 2,6 × 22,23	336214 350463* 336215 350464* 336216 336219
	<ul style="list-style-type: none">▶ Universal quality type with short segment technology for a high level of aggressiveness during cutting▶ Exceptionally wide range of applications (including hard materials such as granite)▶ Segment: laser-welded, short segment, 9 mm	 DT 600 U SUPRA	100 × 2,4 × 16 115 × 2,4 × 22,23 115 × 2,4 × 22,23 125 × 2,4 × 22,23 125 × 2,4 × 22,23 140 × 2,4 × 22,23 150 × 2,4 × 22,23 180 × 2,6 × 22,23 230 × 2,6 × 22,23	325025 322630 350461* 322631 350462* 325046 322632 322633 322634
	<ul style="list-style-type: none">▶ Universal diamond cutting blade for demanding applications at the construction site (e.g. longer service life on reinforced concrete or hard materials)▶ Steel core: cooling bores for improved heat dissipation▶ Segment: laser-welded, turbo segment, 12 mm	 DT 612 UT SUPRA	115 × 2,4 × 22,23 125 × 2,4 × 22,23 150 × 2,4 × 22,23 180 × 2,6 × 22,23 230 × 2,6 × 22,23	334044 334045 345388 334046 334047
	<ul style="list-style-type: none">▶ Diamond cutting blade for professional use▶ Titanium-coated diamonds for an extremely long service life and superior aggressiveness▶ Steel core: cooling bores for improved heat dissipation▶ Segment: laser-welded, turbo segment, 12 mm	 DT 900 U SPECIAL	115 × 2,4 × 22,23 125 × 2,4 × 22,23 180 × 2,6 × 22,23 230 × 2,6 × 22,23	325206 325209 325028 325045



Application	Properties	Product	Dimensions in mm	Item number
 Cutting of general construction site materials 	<ul style="list-style-type: none">▶ Extremely high cutting speed thanks to special turbo segments▶ Low-vibration Detenso core for efficient noise reduction▶ Suitable for almost all hard materials▶ Segment: laser-welded, turbo segment, 12 mm	 DT 650 UD SPECIAL	230 × 2.6 × 22.23	334061
	<ul style="list-style-type: none">▶ Professional diamond cutting blade with wave-shaped turbo steel core for optimum stability during cutting and excellent heat dissipation▶ Turbo segments for clean cut edges▶ Steel core: cooling bores for improved heat dissipation▶ Segment: sintered, closed turbo segment, 10 mm	 DT 900 UT SPECIAL	100 × 2.2 × 22.23 115 × 2.2 × 22.23 125 × 2.2 × 22.23 180 × 2.5 × 22.23 230 × 2.5 × 22.23	330626 325364 325365 325366 325367
 Cutting of demanding materials such as reinforced concrete, granite, clinker or abrasive materials 	<ul style="list-style-type: none">▶ Diamond cutting blade for concrete and concrete products with an outstanding price-performance ratio▶ Smooth cutting with low vibrations and excellent service life▶ Optimum price-performance ratio▶ Segment: laser-welded, 10 mm	 DT 350 B EXTRA	125 × 2.4 × 22.23 150 × 2.4 × 22.23 230 × 2.6 × 22.23	339828 345382 339829
	<ul style="list-style-type: none">▶ Diamond cutting blade for concrete and concrete products▶ Turbo segments for more aggressive cutting▶ Faster cutting speed▶ Special turbo segment for great cutting speed▶ Segment: laser-welded, turbo segment, 10 mm	 DT 350 BT EXTRA	115 × 2.4 × 22.23 125 × 2.4 × 22.23 150 × 2.4 × 22.23 180 × 2.6 × 22.23 230 × 2.6 × 22.23	354790 354791 354792 354793 354794
 Cutting of nearly all sorts of materials with angle grinders 	<ul style="list-style-type: none">▶ Diamond cutting blade capable of satisfying the highest standards▶ Titanium-coated diamonds for an extremely long service life and superior aggressiveness▶ Steel core: cooling bores for improved heat dissipation▶ Segment: laser-welded, standard segment, 12 mm	 DT 900 B SPECIAL	115 × 2.4 × 22.23 125 × 2.4 × 22.23 180 × 2.6 × 22.23 230 × 2.6 × 22.23	325205 325208 325027 325034
	<ul style="list-style-type: none">▶ Diamond cutting blade for all types of granite and terrazzo▶ High stock removal rate and long service life▶ Segment: laser-welded, standard segment, 10 mm	 DT 600 GU SUPRA	115 × 2.4 × 22.23 125 × 2.4 × 22.23 180 × 2.6 × 22.23 230 × 2.6 × 22.23	336614 336615 336616 336617
 Tools for repairing joints with an angle grinder 	<ul style="list-style-type: none">▶ Special joint cleaning disc in robust design for removing old mortar residue▶ Good price-performance ratio▶ Special hammer segments▶ Optimum protection of the master blade▶ Segment: laser-welded, standard segment, with additional hammer segment for optimum protection of the steel core, segment width 6 mm, segment height 7mm	 DN 300 U EXTRA	115 × 6 × 22.23 125 × 6 × 22.23	666279 666280
	<ul style="list-style-type: none">▶ Joint cutter for removing old mortar from bricks, natural stones and clinker facades▶ Segment: laser-welded, standard segment, with additional hammer segment for optimum protection of the steel core, segment widths: 4.5/6/8/10 mm	 DN 600 U SUPRA	115 × 4.5 × 22.23 125 × 4.5 × 22.23 80 × 6 × 22.23 115 × 6 × 22.23 125 × 6 × 22.23 115 × 8 × 22.23 125 × 8 × 22.23 115 × 10 × 22.23 125 × 10 × 22.23	325380 325381 330630 330631 330632 330658 330662 330663 330664
 Cutting of floor and wall tiles of all sorts with angle grinders 	<ul style="list-style-type: none">▶ Diamond cutting blade for tiles and stove tiles▶ Clean cuts thanks to closed cutting edge▶ Segment: sintered, continuous rim, 7 mm	 DT 300 F EXTRA	100 × 1.6 × 22.23 115 × 1.6 × 22.23 125 × 1.6 × 22.23 180 × 1.6 × 22.23 230 × 1.9 × 22.23	330623 325357 325358 325359 325360



Detenso steel core



Sandwich core



Drop segment

Inclined protective segment
Free of iron, sulphur and chlorideTurbo segment
Dry applications

Tapered segment

* = XLOCK



Set diamonds



One glass fibre mesh



Two glass fibre meshes



Free of iron, sulphur and chloride



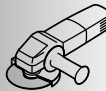



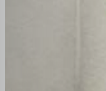



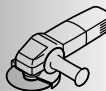


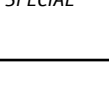
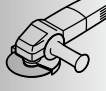



Dry applications



Tapered segment

* = XLOCK



Application	Properties	Product	Shape	Dimensions in mm	Item number
 Cutting of floor and wall tiles of all sorts with angle grinders 	<ul style="list-style-type: none">▶ Professional diamond cutting blade for tiles and fine stoneware▶ Also suitable for glazed stove tiles▶ Segment: sintered, continuous rim, 7 mm	 DT 600 F SUPRA		100 × 1.6 × 16/22.23 115 × 1.6 × 22.23 125 × 1.6 × 22.23 150 × 1.6 × 22.23 180 × 1.6 × 22.23 230 × 1.9 × 22.23	330624 325368 325369 325370 325371 325372
	<ul style="list-style-type: none">▶ Precision tool for hard wall and floor tiles, also suitable for porcelain, ceramics and marble▶ Laser-cut slots for exceptionally smooth operation and stability▶ Cooling slots for improved heat dissipation▶ Segment: sintered, closed segment with laser-cut slots, 7 mm	 DT 900 FL SPECIAL		115 × 1.4 × 22.23 125 × 1.4 × 22.23 180 × 1.6 × 22.23 230 × 1.8 × 22.23	331042 331043 331044 331041
 Cutting of nearly all sorts of materials with angle grinders 	<ul style="list-style-type: none">▶ Ultra-thin (1.4 mm) professional blade for extremely demanding applications, work results of superior quality▶ Also suitable for granite▶ Reinforced centre core for optimum stability during cutting▶ Cooling bores for improved heat dissipation▶ Segment: sintered, closed welded turbo segment, 7 mm	 DT 900 FT SPECIAL		100 × 1.4 × 16/22.23 115 × 1.4 × 22.23 125 × 1.4 × 22.23 180 × 2 × 22.23 230 × 2 × 22.23	330627 325392 325393 330628 330629
	<ul style="list-style-type: none">▶ Ultra-thin 1.4 mm diamond cutting blade for hard tiles, fine stoneware, porcelain and ceramics▶ Reinforced centre core for optimum stability during cutting▶ Cooling bores for improved heat dissipation▶ Special geometry for superior cutting speed and perfectly cut edges▶ Segment: sintered, closed segment with special geometry, 10 mm	 DT 900 FP SPECIAL		115 × 1.4 × 22.23 125 × 1.4 × 22.23	331039 331040
 Cutting of nearly all sorts of materials with angle grinders 	<ul style="list-style-type: none">▶ Diamond cutting blade for nearly every type of material▶ Can be used wherever ordinary diamond cutting blades fail to perform▶ The diamond has been placed directly onto the steel core by means of a vacuum brazing process, preventing dulling or polishing▶ 10 mm thick diamond coating provides for excellent service life	 DT 900 ACR SPECIAL		115 × 2.8 × 22.23 125 × 2.8 × 22.23 230 × 3.1 × 22.23	355723 355724 355725
	<ul style="list-style-type: none">▶ Thin diamond cutting blade for nearly all types of metal materials▶ Extremely high cutting speed▶ The diamond has been placed directly onto the steel core by means of a vacuum brazing process, preventing dulling or polishing▶ Extra thin steel core for great cutting performance▶ No cutting issues arising from slow and polished tools	 DT 600 ACM SUPRA		115 × 1.3 × 22.23 125 × 1.3 × 22.23 230 × 1.6 × 22.23	355720 355722 355721
 Cutting of metal with angle grinders 	<ul style="list-style-type: none">▶ Free of iron, sulphur and chlorine▶ Extra short cutting times and cuts that are especially clean and precise▶ Low thermal load▶ Minimum burr formation, cutting down the amount of necessary rework substantially▶ Packaged in units of 25 pcs each in the Kronenflex® Tub for consistently high performance and protection from moisture	 A 980 TZ SPECIAL		115 × 0.8 × 22.23 125 × 0.8 × 22.23	322182 322183
	<ul style="list-style-type: none">▶ Thin standard cutting-off wheel for cutting metal sheets, thin-walled pipes and profiles made of metal and stainless steel▶ Thanks to thin wheel thickness, fast cutting at low tool pressure combined with low temperature generation and burr formation on the workpiece▶ Excellent price-performance ratio	 A 60 EXTRA		115 × 1 × 22.23 125 × 1 × 22.23	262936 262937



Detenso steel core



Sandwich core



Drop segment

Inclined protective segment
Free of iron, sulphur and chlorideTurbo segment
Dry applications

Tapered segment

* = XLOCK



Set diamonds



One glass fibre mesh



Two glass fibre meshes



Free of iron, sulphur and chloride



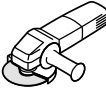





























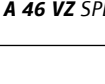






























Dry applications



Tapered segment

* = XLOCK



Application	Properties	Product	Shape	Dimensions in mm	Item number
 	<ul style="list-style-type: none">▶ 1 mm thin cutting-off wheel suitable for universal use, delivering fast cutting with minimum burr formation▶ Free of iron, sulphur and chlorine▶ Excellent option for workpieces with a maximum material thickness of 5 mm▶ Wide range of applications▶ Low thermal load▶ Main application: stainless steel, steel	 A 60 TZ SPECIAL		100 × 1 × 16	202402
				115 × 1 × 22.23	202400
				115 × 1 × 22.23	233741
				115 × 1 × 22.23	351259*
				125 × 1 × 22.23	202401
				125 × 1 × 22.23	233742
				125 × 1 × 22.23	351258*
		 EDGE SPECIAL		115 × 1.2 × 22.23	355380
				125 × 1.2 × 22.23	355379
				100 × 1.6 × 16	194071
	<ul style="list-style-type: none">▶ High performance cutting-off wheel with self-sharpening abrasive grain▶ First-rate cutting performance combined with a long lifetime▶ Wide range of applications▶ Packaged in units of 25 pcs each in the Kronenflex Tub® for consistently high performance and protection from moisture▶ Main application: stainless steel, steel, aluminium	 A 46 TZ SPECIAL		115 × 1.6 × 22.23	187170
				115 × 1.6 × 22.23	235378
				115 × 1.6 × 22.23	351257*
				125 × 1.6 × 22.23	187171
				125 × 1.6 × 22.23	235379
				125 × 1.6 × 22.23	351256*
				150 × 1.6 × 22.23	241472
				180 × 1.6 × 22.23	221161
				180 × 1.6 × 22.23	312257
				230 × 1.9 × 22.23	224084
	<ul style="list-style-type: none">▶ 1.6 mm thin high performance cutting-off wheel with a long service life▶ Exceptionally stable cutting performance▶ Main application: stainless steel, steel	 A 46 TZ SPECIAL		230 × 1.9 × 22.23	265044
				115 × 2 × 22.23	298176
				125 × 2 × 22.23	298177
		 A 46 VZ SPECIAL		100 × 2.5 × 16	188998
				115 × 2.5 × 22.23	188461
				115 × 2.5 × 22.23	242137
				115 × 2.5 × 22.23	351255*
				115 × 3.2 × 22.23	209014
				125 × 2.5 × 22.23	188463
				125 × 2.5 × 22.23	242138
				125 × 2.5 × 22.23	351254*
				125 × 3.2 × 22.23	209016
				150 × 2.5 × 22.23	235374
	<ul style="list-style-type: none">▶ Cutting-off wheel with a medium bond▶ Wide-ranging application options - can be used on a multitude of materials▶ 3 mm wheel thickness for extraordinary lateral stability▶ Fast cutting, even through solid material▶ Main application: metal	 A 24 EXTRA		150 × 2.5 × 22.23	235375
				180 × 2 × 22.23	286455
				180 × 3 × 22.23	13490
				180 × 3 × 22.23	189000
				230 × 2 × 22.23	286456
				230 × 3 × 22.23	13492
				230 × 3 × 22.23	189002
		 C 24 EXTRA		100 × 2.5 × 16	188999
				115 × 2.5 × 22.23	188462
				115 × 2.5 × 22.23	242143
				125 × 2.5 × 22.23	188464
				125 × 2.5 × 22.23	242144
				180 × 3 × 22.23	13489
				180 × 3 × 22.23	189001
				230 × 3 × 22.23	13491
				230 × 3 × 22.23	189003
				230 × 3 × 22.23	189003



Detenso steel core

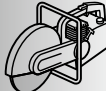












Sandwich core



Drop segment

Inclined protective segment
Free of iron, sulphur and chlorideTurbo segment
Dry applicationsTapered segment
* = **XLOCK**

Application	Properties	Product	Dimensions in mm	Item number
 	<ul style="list-style-type: none">▶ Universal diamond cutting blade at an attractive price▶ Segment: sintered, 7 mm	 DT 300 U EXTRA	300 × 2.8 × 25.4	325349
			300 × 2.8 × 30	325351
			300 × 2.8 × 20	326831
			350 × 2.8 × 25.4	325350
			350 × 2.8 × 30	325352
		 DT 310 UT EXTRA	300 × 3 × 20	334092
			300 × 3 × 25.4	339121
			350 × 3 × 20	334093
		 DT 350 U EXTRA	300 × 2.8 × 20	336223
			300 × 2.8 × 25.4	336220
	<ul style="list-style-type: none">▶ Cutting performance and service life improved over DT 300 U▶ Segment: laser-welded, 10 mm	 DT 600 U SUPRA	350 × 3 × 20	336224
			350 × 3 × 25.4	336221
			400 × 3.6 × 25.4	347486
			300 × 2.8 × 20	325183
			300 × 2.8 × 25.4	325184
			300 × 2.8 × 30	325185
			350 × 3 × 20	325194
			350 × 3 × 25.4	325195
			350 × 3 × 30	325196
			400 × 3.6 × 20	347484
	<ul style="list-style-type: none">▶ Universal quality type with short segment technology for a high level of aggressiveness during cutting▶ Exceptionally wide range of applications (including hard materials such as granite)▶ Segment: laser-welded, short segment, 10 mm	 DT 612 UT SUPRA	400 × 3.6 × 25.4	347485
			450 × 3.6 × 30	347527
			450 × 3.6 × 25.4	325200
			450 × 3.6 × 25.4	325201
			500 × 3.6 × 30	325202
			500 × 3.6 × 25.4	325203
			300 × 2.8 × 20	340224
			300 × 2.8 × 25.4	340229
			350 × 3 × 20	340227
			350 × 3 × 25.4	340230
	<ul style="list-style-type: none">▶ Steel core with cooling bores for improved heat dissipation▶ Segment: laser-welded, turbo segment, 12 mm	 DT 900 UX SPECIAL	400 × 3.6 × 20	347482
			400 × 3.6 × 25.4	347493
			300 × 2.8 × 20	334048
			350 × 3 × 20	334049
			400 × 3.6 × 20	334050
			300 × 2.8 × 25.4	336609
			350 × 3 × 25.4	336610
			400 × 3.6 × 25.4	336611
			450 × 3.6 × 25.4	336612
			500 × 3.6 × 25.4	336613
	<ul style="list-style-type: none">▶ Diamond cutting blade for concrete and concrete products with an outstanding price-performance ratio▶ Smooth cutting with low vibrations and excellent service life▶ Optimum price-performance ratio▶ Segment: laser-welded, 10 mm	 DT 350 B EXTRA	300 × 2.8 × 20	352749
			350 × 3 × 25.4	339830
			350 × 3 × 20	354663
			400 × 3.6 × 25.4	351133



Detenso steel core



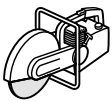

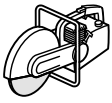



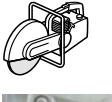







Sandwich core



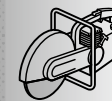

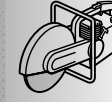


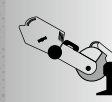
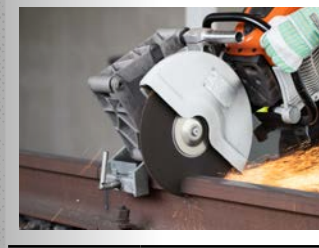


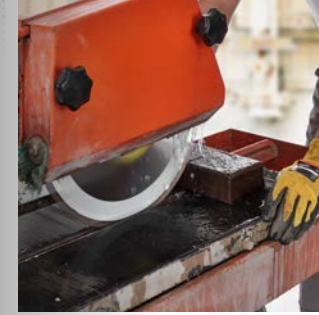










Drop segment

Inclined protective segment
Free of iron, sulphur and chlorideTurbo segment
Dry applicationsTapered segment
* = **XLOCK**

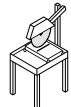


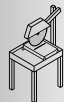


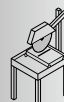







Application	Properties	Product	Dimensions in mm	Item number
 Cutting of concrete with all types of petrol-powered cutters 	Concrete <ul style="list-style-type: none"> ▶ Diamond cutting blade for concrete and concrete products ▶ Turbo segments for more aggressive cutting ▶ faster cutting speed ▶ Special turbo segment for great cutting speed ▶ Segments: laser-welded, turbo segment, 10 mm 	 DT 350 BT EXTRA	300 × 2.8 × 20	354795
			300 × 2.8 × 25.4	354796
			350 × 3 × 20	354797
			350 × 3 × 25.4	354798
			400 × 3.6 × 25.4	354799
 Cutting of concrete and asphalt with all types of petrol-powered cutters 	Asphalt + Beton <ul style="list-style-type: none"> ▶ Special blade engineered specifically for asphalt and concrete and offering an outstanding price-performance ratio ▶ Inclined protective segments prevent relief-grinding, thereby protecting the steel core ▶ Segments: laser-welded, three types of cuts: turbo segment-standard segment-inclined protective segment, 12 mm 	 DT 350 AB EXTRA EVOLUTION	300 × 2.8 × 20	340232
			300 × 2.8 × 25.4	340241
			350 × 3.2 × 20	340236
			350 × 3.2 × 25.4	340240
			400 × 3.6 × 25.4	349235
 Cutting of asphalt with all types of petrol-powered cutters 	Asphalt <ul style="list-style-type: none"> ▶ Special blade for asphalt and concrete, specially engineered for use on both materials ▶ Titanium-coated diamonds for excellent service life and superior aggressiveness ▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core ▶ Segment: laser-welded, wide gullet, 10 mm 	 DT 612 AB SUPRA	300 × 2.8 × 20	332344
			300 × 2.8 × 25.4	330080
			350 × 3.2 × 20	332345
			350 × 3.2 × 25.4	330081
			400 × 3.6 × 20	349225
 Cutting of granite using petrol-powered cutters 	Granite <ul style="list-style-type: none"> ▶ Asphalt diamond cutting blade with an outstanding price-performance ratio. ▶ Inclined protective segment prevents relief-grinding and provides optimum protection of the steel core ▶ Segment: laser-welded, standard segment, 10 mm 	 DT 350 A EXTRA	300 × 2.8 × 20	337731
			300 × 2.8 × 25.4	337729
			350 × 3.2 × 20	337732
			350 × 3.2 × 25.4	337730
			400 × 3.6 × 20	349236
 Cutting of metal and mineral-based materials using petrol-powered cutters 	Metal / steel <ul style="list-style-type: none"> ▶ Bond optimised for steel processing, also suited for use on stainless steel ▶ For use on petrol-driven saws / cutters operating with a cutting speed of 100 m/s ▶ Off-hand cutting of pipes, bars, profiles and solid materials 	 A 24 EXTRA	300 × 3.5 × 20	288221
			300 × 3.5 × 22.23	288222
			305 × 4 × 20	354419
			305 × 4 × 22.23	354418
			305 × 4 × 25.4	354417
 Cutting of metal using petrol-powered cutters with a clamping device 	Metal / steel <ul style="list-style-type: none"> ▶ Universal cutting-off wheel for mineral-based materials ▶ Wide range of applications thanks to sharp and coarse silicon carbide grain 	 C 24 EXTRA	300 × 3.5 × 20	288223
			300 × 3.5 × 22.23	288224
			305 × 3.5 × 22.23	353111
			356 × 4 × 22.23	351433
			356 × 4 × 25.4	340641
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ High quality diamond cutting blade for asphalt with first-rate cutting speed ▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core ▶ Segment: laser-welded, wide gullet, 10 mm 	 DT 602 A SUPRA	300 × 2.8 × 20	327025
			300 × 2.8 × 25.4	325060
			350 × 3.2 × 20	327026
			350 × 3.2 × 25.4	325092
			400 × 3.6 × 20	349228
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ High quality diamond cutting blade for asphalt ▶ First-rate cutting speed and exceptional service life ▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core ▶ Segment: laser-welded, wide gullet, 10 mm 	 DT 612 A SUPRA	300 × 2.8 × 25.4	330075
			350 × 3.2 × 25.4	330076
			400 × 3.6 × 25.4	349227
			450 × 3.7 × 25.4	330078
			500 × 3.7 × 25.4	330079
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ Aggressive and clean cutting thanks to narrowly spaced segments ▶ 15 mm tall block segments for a long service life ▶ Also the perfect choice for all types of granite including porphyry and quartzite 	 DT 900 G SPECIAL	300 × 2.8 × 30	359079
			350 × 3 × 30	359081
			400 × 3.6 × 30	359080

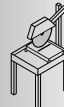

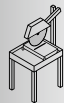

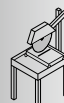









Application	Properties	Product	Shape	Dimensions in mm	Item number
 Cutting of nearly all sorts of materials with petrol-powered cutters 	Special application <ul style="list-style-type: none"> ▶ Diamond cutting blade for nearly every type of material ▶ Can be used wherever ordinary diamond cutting blades fail to perform ▶ The diamond has been placed directly onto the steel core by means of a vacuum brazing process, preventing dulling or polishing ▶ A 10 mm thick diamond coating provides for excellent service life 	 DT 900 ACR SPECIAL		300 × 3.1 × 20	355726
				300 × 3.1 × 25.4	355727
				350 × 3.1 × 25.4	355728
				350 × 3.1 × 20	355729
 Cutting of metal and mineral-based materials using petrol-powered cutters 	Metal / steel <ul style="list-style-type: none"> ▶ Cutting-off wheel with a medium bond ▶ Wide-ranging application options - can be used on a multitude of materials ▶ 3 mm wheel thickness for extraordinary lateral stability ▶ Fast cutting, even through solid material 	 A 24 EXTRA		300 × 3.5 × 20	288221
				300 × 3.5 × 22.23	288222
				305 × 4 × 20	354419
				305 × 4 × 22.23	354418
				305 × 4 × 25.4	354417
 Cutting of metal using petrol-powered cutters with a clamping device 	Metal / steel <ul style="list-style-type: none"> ▶ Bond optimised for steel processing, also suited for use on stainless steel ▶ For use on petrol-driven saws / cutters operating with a cutting speed of 100 m/s ▶ Off-hand cutting of pipes, bars, profiles and solid materials 	 A 924 R SPECIAL		305 × 4 × 20	354419
				305 × 4 × 22.23	354418
				305 × 4 × 25.4	354417
				356 × 4 × 20	354416
				356 × 4 × 22.23	354415
 Cutting of metal using petrol-powered cutters with a clamping device 	Stone / concrete <ul style="list-style-type: none"> ▶ Universal cutting-off wheel for mineral-based materials ▶ Wide range of applications thanks to sharp and coarse silicon carbide grain 	 C 24 EXTRA		300 × 3.5 × 20	288223
				300 × 3.5 × 22.23	288224
				305 × 3.5 × 22.23	353111
				356 × 4 × 22.23	351433
				356 × 4 × 25.4	340641
 Cutting of metal using petrol-powered cutters with a clamping device 	Metal / steel <ul style="list-style-type: none"> ▶ For use on petrol-powered cutters operating with low power (< 5 kW) and a cutting speed of 100 m/s plus clamping device ▶ Suitable for use on all types of rails ▶ Extra fast cutting ▶ Maximum aggressiveness and service life thanks to hardened special aluminium oxide and soft bond 	 A 624 SX SUPRA		305 × 3.5 × 22.23	353111
				356 × 4 × 22.23	351433
				356 × 4 × 25.4	340641
				406 × 4 × 25.4	351436
 Cutting of metal using petrol-powered cutters with a clamping device 	Metal / steel <ul style="list-style-type: none"> ▶ For use on petrol-powered cutters operating with high power (> 5 kW) and a cutting speed of 100 m/s plus clamping device ▶ Suitable for use on all types of rails ▶ Hard bond 	 A 924 SX SPECIAL		305 × 3.5 × 22.23	353093
				356 × 4 × 22.23	352325
				356 × 4 × 25.4	353097
				406 × 4 × 25.4	352324
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ Universal diamond cutting blade at an attractive price ▶ Segment: sintered, 7 mm 	 DT 300 U EXTRA		300 × 2.8 × 25.4	325349
				300 × 2.8 × 30	325351
				350 × 2.8 × 25.4	325350
				350 × 2.8 × 30	325352
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ Universal diamond cutting blade for clean cut edges ▶ Segment: sintered, continuous turbo rim, 10 mm 	 DT 310 UT EXTRA		300 × 3 × 25.4	339121
				350 × 3 × 25.4	339123
 Cutting of concrete and general construction material using table saws 	Universal <ul style="list-style-type: none"> ▶ Universal diamond cutting blade with an outstanding price-performance ratio ▶ Cutting performance and service life improved over DT 300 U ▶ Segment: laser-welded, 10 mm 	 DT 350 U EXTRA		300 × 2.8 × 25.4	336220
				350 × 3 × 25.4	336221
				400 × 3.6 × 25.4	347486



Application	Properties	Product	Shape / cut	Dimensions in mm	Item number
 Cutting of concrete and general construction material using table saws	<ul style="list-style-type: none">▶ Universal quality blade with short segment technology for a high level of aggressiveness during cutting▶ Exceptionally wide range of applications (including hard materials such as granite)▶ Segment: laser-welded, short segment, 10 mm	 DT 600 U SUPRA		300 × 2.8 × 25.4	325184
				300 × 2.8 × 30	325185
				350 × 3 × 25.4	325195
				350 × 3 × 30	325196
				400 × 3.6 × 25.4	347485
				400 × 3.6 × 30	347527
				450 × 3.6 × 30	325200
				450 × 3.6 × 25.4	325201
				500 × 3.6 × 30	325202
				500 × 3.6 × 25.4	325203
 Cutting of granite using table saws	<ul style="list-style-type: none">▶ Universal diamond cutting blade for demanding jobs at the construction site (e.g. longer service life on reinforced concrete or hard materials)▶ Steel core with cooling bores for improved heat dissipation▶ Segment: laser-welded, turbo segment, 12 mm	 DT 612 UT SUPRA		300 × 2.8 × 25.4	340229
				350 × 3 × 25.4	340230
				400 × 3.6 × 25.4	347493
 Cutting of floor and wall tiles of all sorts on table saws	<ul style="list-style-type: none">▶ High performance tool suitable for universal use▶ Extremely high cutting speed▶ Engineered for professional use▶ Also suitable for granite▶ Segment: laser-welded, available with wide and narrow gullet, 10 mm	 DT 900 U SPECIAL		300 × 2.8 × 30	325052
				300 × 2.8 × 25.4	325053
				300 × 2.8 × 30	325066
				300 × 2.8 × 25.4	325067
				350 × 3 × 30	325084
				350 × 3 × 25.4	325085
				350 × 3 × 30	325099
				350 × 3 × 25.4	325100
				400 × 3.6 × 25.4	349233
				400 × 3.6 × 30	349234
				400 × 3.6 × 30	349245
				400 × 3.6 × 25.4	349246
				450 × 3.6 × 30	325132
				450 × 3.6 × 25.4	325133
				450 × 3.6 × 30	325175
				450 × 3.6 × 25.4	325176
				500 × 3.7 × 30	325154
				500 × 3.7 × 25.4	325155
				500 × 3.7 × 30	325163
 Cutting of concrete and general construction materials with joint cutters up to 10 kW	<ul style="list-style-type: none">▶ Noise reduction thanks to sandwich core technology▶ High performance tool for universal use▶ Extremely high cutting speed▶ Engineered for professional use▶ Also suitable for granite▶ Segment: laser-welded, narrow gullet, 10 mm	 DT 900 US SPECIAL		300 × 2.8 × 25.4	334062
				300 × 2.8 × 30	336725
				350 × 3 × 25.4	334063
				350 × 3 × 30	336726
				400 × 3.6 × 25.4	349238
				450 × 3.6 × 25.4	334065
				500 × 3.7 × 25.4	334066

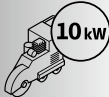







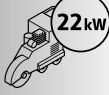



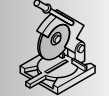
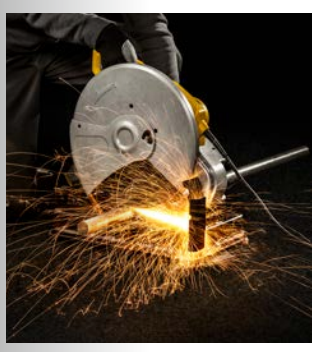






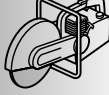

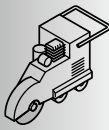


Application	Properties	Product	Dimensions in mm	Item number
 Cutting of clinker using table saws	<ul style="list-style-type: none">▶ Fast cutting speed thanks to short segments▶ Exceptional service life due to 15 mm tall segment▶ Especially well suited for medium to soft clinker	 DT 600 KM SUPRA	350 × 3 × 25.4	360934
			450 × 3.6 × 60/25.4	360933
 Cutting of granite using table saws	<ul style="list-style-type: none">▶ Fast cutting speed thanks to short segments▶ Exceptional service life due to 15 mm tall segment▶ Especially well suited for medium to soft clinker▶ Ideally suited for low-noise work environments thanks to sandwich core	 DT 600 KMS SUPRA	350 × 3 × 25.4	360950
			450 × 3.6 × 60/25.4	360949
 Cutting of floor and wall tiles of all sorts on table saws	<ul style="list-style-type: none">▶ Aggressive and clean cutting thanks to narrowly spaced segments▶ 14 mm tall block segments for a long service life▶ Also the perfect choice for all types of granite including porphyry and quartzite	 DT 900 G SPECIAL	300 × 2.8 × 30	359079
			350 × 3 × 30	359081
			400 × 3.6 × 30	359080
 Cutting of concrete and general construction materials with joint cutters up to 10 kW	<ul style="list-style-type: none">▶ Diamond cutting blade for tiles and stove tiles▶ Clean cuts thanks to closed cutting edge▶ Segment: sintered, continuous rim, 7 mm	 DT 300 F EXTRA	200 × 1.9 × 30/25.4	325454
			180 × 1.6 × 30	325455
			200 × 1.9 × 30	325373
			250 × 1.9 × 30	325374
			300 × 2 × 30	325375
			350 × 2 × 30	325376
			180 × 1.6 × 30	331045
			200 × 1.6 × 30	331046
 Cutting of concrete and general construction materials with joint cutters up to 10 kW	<ul style="list-style-type: none">▶ Precision tool for hard wall and floor tiles▶ Also suitable for porcelain, ceramics and marble▶ Laser-cut slots for exceptionally smooth operation and stability▶ Cooling slots for improved heat dissipation▶ Segment: sintered, closed segment with laser-cut slots, 7 mm	 DT 900 FL SPECIAL	230 × 1.8 × 30	331048
			250 × 2 × 30	331047
			300 × 2.2 × 30	331049
			350 × 2.2 × 30	331050
			300 × 2.8 × 25.4	336220
			350 × 3 × 25.4	336221
			400 × 3.6 × 25.4	347486
			300 × 2.8 × 25.4	340229
 Cutting of concrete and general construction materials with joint cutters up to 10 kW	<ul style="list-style-type: none">▶ Universal diamond cutting blade for demanding jobs at the construction site (e.g. longer service life on reinforced concrete or hard materials)▶ Steel core with cooling bores for improved heat dissipation▶ Segment: laser-welded, turbo segment, 12 mm	 DT 612 UT SUPRA	350 × 3 × 25.4	340230
			400 × 3.6 × 25.4	347493
			300 × 2.8 × 25.4	336609
			350 × 3 × 25.4	336610
			400 × 3.6 × 25.4	336611
			450 × 3.6 × 25.4	336612
			500 × 3.6 × 25.4	336613



Application	Properties	Product	Dimensions in mm	Item number
 Cutting of concrete with joints cutters up to 10 kW 	Concrete <ul style="list-style-type: none">▶ Diamond cutting blade for concrete and concrete products with an outstanding price-performance ratio▶ Smooth cutting with low vibrations and excellent service life▶ Optimum price-performance ratio▶ Segment: laser-welded, 10 mm		300 × 2.8 × 20	352749
			350 × 3 × 20	354663
			350 × 3 × 25.4	339830
			400 × 3.6 × 25.4	351133
			DT 350 B EXTRA	
	<ul style="list-style-type: none">▶ Diamond cutting blade for concrete and concrete products▶ Special turbo segment for great cutting speed▶ Segments: laser-welded, turbo segment, 10 mm		300 × 2.8 × 20	354795
			300 × 2.8 × 25.4	354796
			350 × 3 × 20	354797
			350 × 3 × 25.4	354798
			400 × 3.6 × 25.4	354799
 Cutting of concrete with joints cutters up to 22 kW 	<ul style="list-style-type: none">▶ Diamond cutting blade with wide gullet for cured and reinforced concrete▶ First-rate cutting performance, also suitable for use on electric joint cutters▶ Segment: laser-welded, wide gullet, 9 mm		300 × 2.8 × 25.4	325056
			350 × 3.2 × 25.4	325088
			400 × 3.6 × 25.4	349242
			450 × 3.7 × 25.4	325136
			500 × 3.7 × 25.4	325167
	<ul style="list-style-type: none">▶ Premium diamond cutting blade for cured concrete, also suitable for concrete with strong reinforcement▶ Extremely high cutting speed▶ Segment: laser-welded, wide gullet, 11 mm		300 × 2.8 × 25.4	325058
			350 × 3.2 × 25.4	325090
			400 × 3.6 × 25.4	349241
			450 × 3.7 × 25.4	325138
			500 × 3.7 × 25.4	325169
 Cutting of concrete and asphalt with joints cutters up to 10 kW 	<ul style="list-style-type: none">▶ Premium diamond cutting blade for cured concrete, also suitable for concrete with strong reinforcement▶ Exceptional service life▶ Segments: laser welded, narrow gullet, 11 mm		300 × 2.8 × 25.4	325073
			350 × 3.2 × 25.4	325106
			400 × 3.6 × 25.4	349230
			450 × 3.7 × 25.4	325182
			500 × 3.7 × 25.4	325193
	<ul style="list-style-type: none">▶ Special type for green concrete▶ Unsurpassed service life thanks to a high concentration of premium-grade diamonds▶ Inclined protective segment for protecting the steel core▶ Segments: laser-welded, block segments, 12 mm		300 × 2.8 × 25.4	330085
			350 × 3.2 × 25.4	330086
			400 × 3.6 × 25.4	349224
			450 × 3.7 × 25.4	330088
			500 × 3.7 × 25.4	330089
 Cutting of concrete and asphalt with joints cutters up to 10 kW 	<ul style="list-style-type: none">▶ Special blade engineered specifically for asphalt and concrete and offering an outstanding price-performance ratio▶ Inclined protective segments prevent relief-grinding, thereby protecting the steel core▶ Segments: laser-welded, three types of cuts: turbo segment-standard segment-inclined protective segment, 12 mm		300 × 2.8 × 25.4	340241
			350 × 3.2 × 25.4	340240
			400 × 3.6 × 25.4	349235
			DT 350 AB EXTRA EVOLUTION	
			DT 350 AB EXTRA EVOLUTION	
	<ul style="list-style-type: none">▶ Special blade for asphalt and concrete, specially engineered for use on both materials▶ Titanium-coated diamonds for excellent service life and superior aggressiveness▶ Inclined protective segments to prevent relief-grinding and provide optimum protection of the steel core▶ Segment: laser-welded, wide gullet, 10 mm		300 × 2.8 × 25.4	330080
			350 × 3.2 × 25.4	330081
			400 × 3.6 × 25.4	349226
			450 × 3.7 × 25.4	330083
			500 × 3.7 × 25.4	330084



Application	Properties	Product	Dimensions in mm	Item number	
<div><div>Cutting of asphalt with joint cutters up to 10 kW</div></div>	Asphalt <ul style="list-style-type: none">▶ Asphalt diamond cutting blade with an outstanding price-performance ratio.▶ Inclined protective segment prevents relief-grinding and provides optimum protection of the steel core▶ Segment: laser-welded, inclined protective segments, 10 mm	 	300 × 2.8 × 25.4	337729	
			350 × 3.2 × 25.4	337730	
			400 × 3.6 × 25.4	349237	
			450 × 3.7 × 25.4	337734	
			500 × 3.7 × 25.4	337735	
	Asphalt <ul style="list-style-type: none">▶ High quality diamond cutting blade for asphalt with first-rate cutting speed▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core▶ Segment: laser-welded, wide gullet, 10 mm	 	300 × 2.8 × 25.4	325060	
			350 × 3.2 × 25.4	325092	
			400 × 3.6 × 25.4	349240	
			450 × 3.7 × 25.4	325128	
			500 × 3.7 × 25.4	325171	
Asphalt <ul style="list-style-type: none">▶ High quality diamond cutting blade for asphalt, high cutting speed and excellent service life▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core▶ Segment: laser-welded, wide gullet, 10 mm	 	300 × 2.8 × 25.4	330075		
		350 × 3.2 × 25.4	330076		
		400 × 3.6 × 25.4	349227		
		450 × 3.7 × 25.4	330078		
		500 × 3.7 × 25.4	330079		
<div><div>Cutting of asphalt with joint cutters up to 22 kW</div></div>	Asphalt <ul style="list-style-type: none">▶ Premium quality professional blade; also suitable for green concrete and screed▶ Drop segments prevent relief-grinding and provide optimum protection of the steel core▶ Segment: laser-welded, wide gullet, 12 mm	 	300 × 2.8 × 25.4	325062	
			350 × 3.2 × 25.4	325094	
			400 × 3.6 × 25.4	349239	
			450 × 3.7 × 25.4	325130	
			500 × 3.7 × 25.4	325173	
	<div><div>Cutting of metal using chop saws</div></div>	Metal <ul style="list-style-type: none">▶ Standard wheel with an outstanding price-performance ratio▶ Great stability during cutting – recommended for all common profiles▶ Bond optimised for universal use▶ Minimum burr formation	 	305 × 2.5 × 25.4	360976
				356 × 2.5 × 25.4	353326
				406 × 3 × 25.4	353329
			A 330 EXTRA		
			A 330 EXTRA		
Metal <ul style="list-style-type: none">▶ Aggressive cutting-off wheel with excellent service life▶ A perfect choice for powerful machines and the cutting of solid material▶ Bond optimised for universal use▶ Low thermal load▶ Minimum burr formation		 	300 × 2.5 × 25.4	353325	
			356 × 2.5 × 25.4	353324	
			406 × 3.2 × 25.4	353328	
		A 630 N SUPRA			
		A 630 N SUPRA			
Metal <ul style="list-style-type: none">▶ Ultimate aggressiveness and service life▶ Low thermal load▶ Minimum burr formation▶ A perfect choice for powerful machines and the cutting of solid material	 	300 × 2.5 × 25.4	322627		
		350 × 3 × 25.4	322628		
	A 930 N SPECIAL				
	A 930 N SPECIAL				
	A 930 N SPECIAL				
<div><div>Accessories - diamond</div></div>	▶ Reduction rings with serration for enhanced adhesion		22.23 × 15.875 × 1.2	337148	
			22.23 × 20 × 1.2	337282	
			25.4 × 2 × 20	328933	
			25.4 × 2.5 × 20	328934	
			25.4 × 20 × 9	339133	
			25.4 × 22.23 × 2	353265	
			25.4 × 9 × 20	353344	
			30 × 25.4 × 2	337344	
			30 × 25.4 × 2.5	353266	
			30 × 20 × 2.5	353267	
			30 × 22.23 × 2	353268	
			30 × 20 × 2	353269	



Sanding surfaces

Perfect surfaces for flawless results

While the processes of removing adhesive residue from surfaces at the construction site or roughening these surfaces for further processing may prove tedious, they are of vital importance for the subsequent work steps.

Klingspor's abrasive solutions allow construction professionals to complete these tasks with ease as our tools work with minimum vibrations and maximum efficiency. Klingspor furthermore offers aggressive, yet long-lasting abrasive solutions that substantially expedite the process of preparing and finishing weld seams as well as the removal of scale layers in railway and steel construction.

On the following pages you will find Klingspor solutions that have been engineered for sanding both mineral-based and metal materials.

The right tool for every construction site

Every application poses new challenges for your tools. Picking the right tool for the job is pivotal.

Steel construction

Abrasive mop disc

The fan-shaped, radial arrangement of the abrasive flaps allows the product to deliver a uniquely high abrasive performance. At the construction site, the abrasive mop disc is used for deburring or for finishing weld seams.



Fibre discs

A high removal rate, a long service life and an impressive price-performance ratio are the distinguishing features of our fibre discs. During construction work, they are used for rough grinding applications such as removing rust and burrs from metal parts.



Grinding discs

As they can be paired with a wide variety of bonds, our grinding discs cover a large number of applications. They stand out primarily with their consistently high stock removal performance, which will not deteriorate until the disc is used up completely. Grinding discs are especially ideal for removing burrs in railway construction.



Finishings

Diamond cup grinding wheels

They are the perfect choice for sanding general construction materials, removing adhesive residue or sanding the edges on mineral-based materials. They are suitable for an extensive range of applications - both in gardening and landscaping and for interior finishing work.



Self-adhesive abrasive discs

Our abrasive discs are indispensable to interior finishing projects, the plasterer's trade or drywall builders. They come with a vast variety of hole patterns to ensure efficient extraction and in an abundance of sizes and versions to match the material that needs to be processed.



Products for off-hand sanding

Despite the state-of-the-art technology available today, pure off-hand sanding, i.e. non-machine-assisted sanding, is still indispensable for some applications. Klingspor offers an expansive selection of products for off-hand sanding that are available as rolls and sheets and suitable for wet and dry use alike.





Abrasive mop disc

Product structure

The three components making up the abrasive mop disc have been matched perfectly in an effort to achieve the highest possible performance.

1. Abrasive flaps

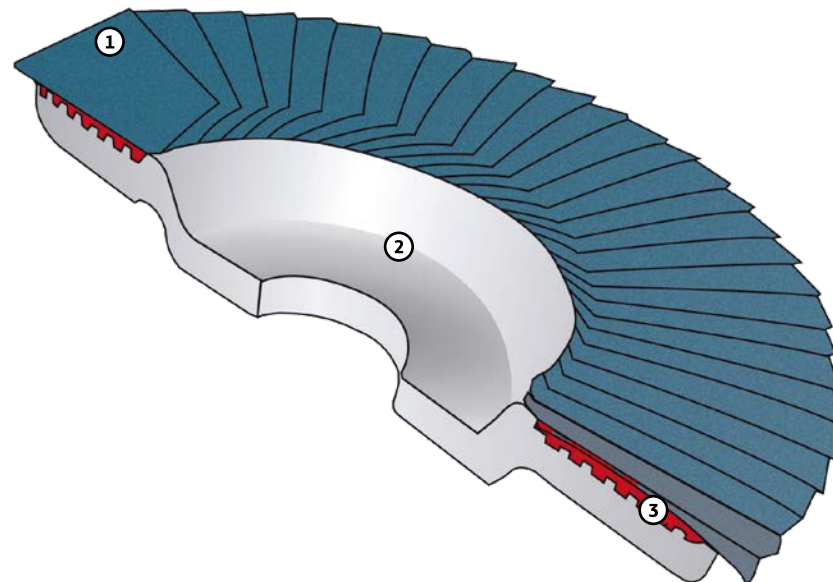
Klingspor has developed special abrasives as the perfect complement to their abrasive mop discs. These abrasives make this abrasive tool ideally suited for use on high-speed angle grinders (80 m/s) and the corresponding abrasive applications. They are thus guaranteed to deliver superior abrasive performance and a long service life.

2. Backing plate

For the production of their abrasive mop discs Klingspor uses two different types of backing plates. Aside from the version most commonly used on the market, a backing plate made of glass fibre mesh, Klingspor also offers a backing plate made of fibre-reinforced plastic.

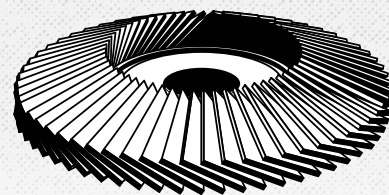
3. Adhesive resin

The adhesive resin serves as the link between the backing plate and the abrasive flaps. It ensures that no abrasive flaps will detach from the backing plate if the tool is used as intended. Among other things, it also provides for a level of break resistance that goes far beyond the provisions set out by the oSa and in the safety standard EN 13743.

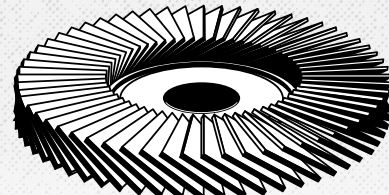


Designs

The convex abrasive mop disc sands with a smaller abrasive surface area than the straight model. The resulting smaller contact area makes it possible to achieve higher stock removal per unit of time compared with the straight version, making it especially ideal for work on edges and finishing weld seams. The straight model is used primarily for flat and surface grinding.



convex



straight

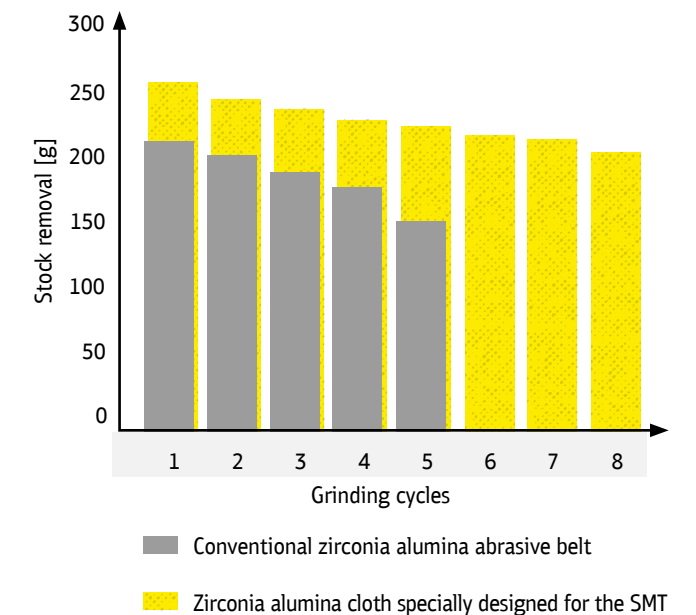


Abrasive

Compared to belt abrasives, the abrasives used for abrasive mop discs are subjected to considerably greater loads.

First of all, the cutting speed of the abrasive mop disc is approximately 2 to 2.5 times higher than the cutting speed of a belt application and, secondly, the design of the backing must ensure that the backing wears down in a way which allows the user to constantly work with new and unused grain.

For this reason, Klingspor has engineered abrasives that fit the special requirements of this product group. These have been optimised for use on high-speed angle grinders (80 m/s) and are guaranteed to deliver maximum abrasive performance and service life (see chart).



1. Zirconia alumina cloth

Zirconia alumina abrasive grain, heavy cotton-polyester cloth, ultimate performance when paired with high performance machines

2. Zirconia alumina cloth

Aggressive zirconia alumina abrasive grain, cotton cloth, good stock removal on angle grinders of all performance classes

3. Zirconia alumina + multibond

Self-sharpening zirconia alumina abrasive grain, cotton cloth, specially designed for cool grinding on stainless steel

4. Aluminium oxide cloth

Long-lasting aluminium oxide abrasive grain, cotton cloth, for use on metal and NF metals

5. Ceramic aluminium oxide + multibond

Ceramic high performance abrasive grain, robust polyester backing, maximum performance for stainless steel processing, cool grinding on stainless steel surfaces

6. Ceramic aluminium oxide

Ceramic high performance abrasive grain, robust polyester backing, maximum performance for steel processing



Safe application with Klingspor abrasive tools



Manufactured in compliance with the requirements set out in the oSa and EN13743 standards, Klingspor abrasive mop discs guarantee the highest level of safety for the user.

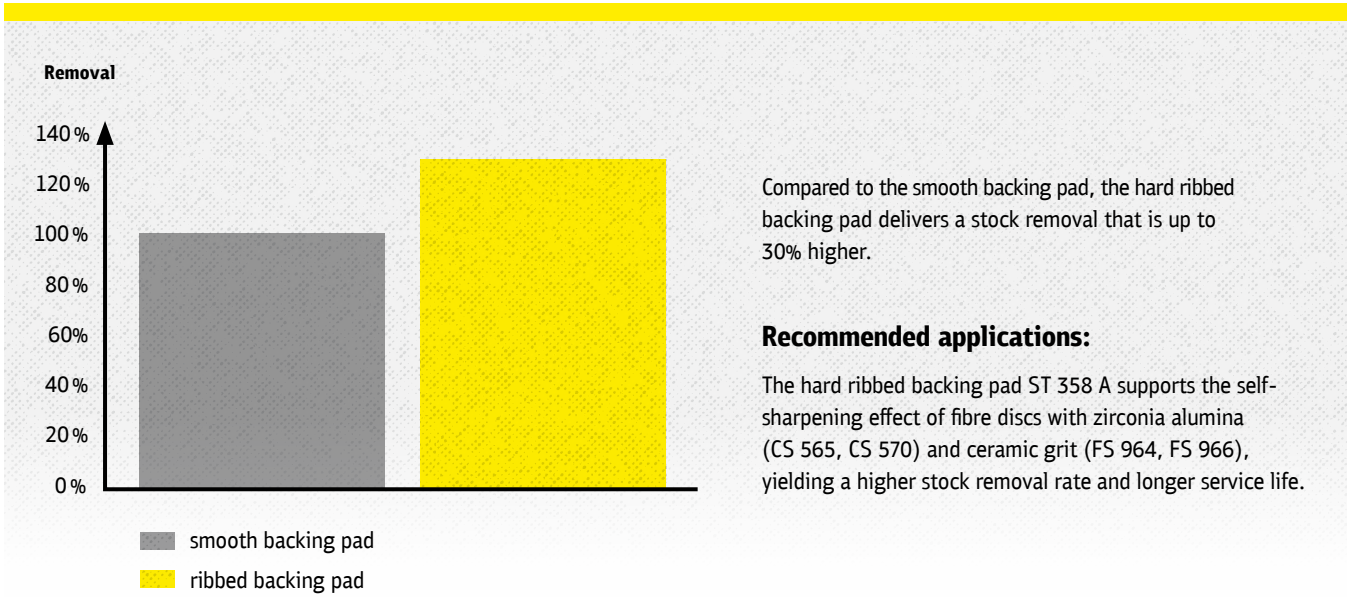




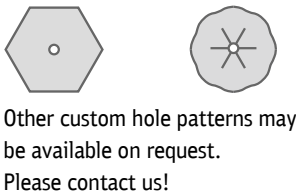
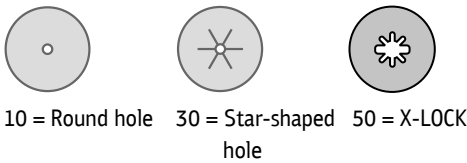
Fibre discs

Technical information on backing pads

The matching backing pad		
Product		
	ST 358	ST 358 A
Backing pad version	Medium, smooth	Hard, ribbed
Advantage	Uniform scratch pattern, perfect contouring to the workpiece	High removal rate, great stability
		Additional benefits from ribs: Increased aggressiveness, cool grinding
Application	Fine sanding applications (grit 50 or finer), rounding edges, sanding contours, surface grinding	Coarse sanding and grinding (grit 40 and coarser), edge breaking, deburring operations, weld seam finishing

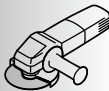
















































Hole patterns for fibre discs









Product overview "Grinding"

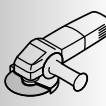





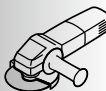



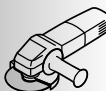

Steel construction

Application	Properties	Product	Shape	Dimensions in mm	Grit	Item number
 Stock removal grinding of metal, NF metals and stainless steel with angle grinders 	<ul style="list-style-type: none">Abrasive mop disc with aluminium oxideSuitable for universal use on steel and NF metalsNo clogging even at little tool pressure	 SMT 314 EXTRA		115 × 22.23	40	322809
				115 × 22.23	60	322811
				115 × 22.23	80	322812
				125 × 22.23	40	322815
				125 × 22.23	60	322817
				125 × 22.23	80	322818
	<ul style="list-style-type: none">Abrasive mop disc with ceramic abrasive grainCEVOLUTION technology for long service life and extreme aggressivenessTrimable disc for a long service life with good removal rate	 SMT 975 SPECIAL CEVOLUTION		115 × 22.23	40	369295
				115 × 22.23	60	369296
				115 × 22.23	80	369297
				125 × 22.23	40	369301
				125 × 22.23	60	369303
				125 × 22.23	80	369304
	<ul style="list-style-type: none">Abrasive mop disc with zirconia alumina and good stock removalSuitable for universal use on edges and for surface grindingCan also be used in combination with cordless angle grinders	 SMT 324 EXTRA		115 × 22.23	40	321509
				115 × 22.23	60	321511
				115 × 22.23	80	321513
				125 × 22.23	40	321510
				125 × 22.23	60	321512
				125 × 22.23	80	321514
	<ul style="list-style-type: none">Abrasive mop disc with zirconia alumina and excellent stock removalCan be used universally for demanding grinding tasksAn excellent choice for steel and stainless steel materials	 SMT 624 SUPRA		115 × 22.23	40	322765
				115 × 22.23	60	322767
				115 × 22.23	80	322768
				125 × 22.23	40	322772
				125 × 22.23	60	322774
				125 × 22.23	80	322775
	<ul style="list-style-type: none">Aluminium oxide fibre disc for universal useFor all common grinding tasks on metal and NF metal	 CS 561		115 × 22	40	10981
				115 × 22	60	10983
				115 × 22	80	10984
				125 × 22	40	11013
				125 × 22	60	11015
				125 × 22	80	11016
	<ul style="list-style-type: none">All-purpose grinding disc for universal useExtra high removal rate at long service lifeSuitable for work on all types of metal	 A 24 EXTRA		180 × 22	40	11061
				180 × 22	60	11063
				180 × 22	80	11064
				115 × 6 × 22.23	-	188465
				125 × 6 × 22.23	-	188466
				180 × 6 × 22.23	-	13444
				230 × 6 × 22.23	-	13447





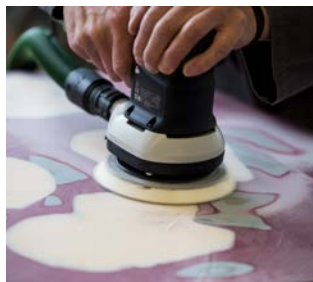

Steel construction

Application	Properties	Product	Diameter in mm	Grit	Hole pattern	Item number
 Sanding surfaces using random orbital sanders 	Metals <ul style="list-style-type: none"> High quality abrasive product with aluminium oxide and suitability for universal use during nearly all types of work with handheld machines Excellent stability and high tear resistance thanks to E-paper backing High aggressiveness and reduced clogging thanks to semi-open grain coating 	 PS 22 K	125	60	○ 0	2295
			125	80	○ 0	6774
			125	120	○ 0	6775
			150	60	○ 0	6649
			150	80	○ 0	6936
			150	120	○ 0	6937
	Steel / stainless steel <ul style="list-style-type: none"> Premium self-fastening zirconia alumina disc for surface grinding Ultra high level of aggressiveness and outstanding service life thanks to self-sharpening zirconia alumina grain Exceptional stability and strength on the perimeter thanks to strong F-paper backing 	 PS 21 FK	125	60	○ 0	237780
			125	80	○ 0	237781
			125	120	○ 0	237782
			150	60	○ 0	230313
			150	80	○ 0	230314
			150	120	○ 0	246488
	Stainless steel <ul style="list-style-type: none"> Consistently aggressive abrasive performance High performance disc for stainless steel grinding Also delivers excellent results when used for repairs on parquet floors 	 PS 61 FK <i>EVOLUTION</i>	125	60	○ 0	322468
			125	80	○ 0	321597
			125	120	○ 0	322469
			150	60	○ 0	322036
			150	80	○ 0	321325
			150	120	○ 0	322472
	Steel / stainless steel <ul style="list-style-type: none"> Aggressive abrasive performance thanks to self-sharpening zirconia alumina Extra robust high performance abrasive disc with a tear resistant X-cotton backing for rough and intermediate sanding of edges and surfaces 	 CS 411 XK	125	40	○ 0	291980
			125	60	○ 0	182412
			125	80	○ 0	238954
			150	40	○ 0	301271
			150	60	○ 0	64647
			150	80	○ 0	285565

Finishings

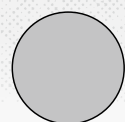
Application	Properties	Product	Dimensions in mm	Item number
 Grinding on concrete and general construction material with an angle grinder 	Concrete / natural stone / brick / masonry <ul style="list-style-type: none"> Diamond cup grinding wheel with special geometry, also suitable for grinding hard materials such as firebrick and natural stone Special design allows for optimised dust extraction Segment: brazed, standard segment 	 DS 600 S SUPRA	100 × 22.23	331022
			115 × 22.23	331023
			125 × 22.23	331024
			180 × 22.23	331025
	Concrete / natural stone / brick / masonry <ul style="list-style-type: none"> Diamond cup grinding wheel for concrete and general construction materials Increased aggressiveness at low force requirements and long service life Simple dust extraction through openings in the backing plate Segment: brazed, standard segment 	 DS 600 B SUPRA	100 × 22.23	330621
			115 × 22.23	325377
			125 × 22.23	325378
			180 × 22.23	325379
	Concrete / natural stone / brick / masonry <ul style="list-style-type: none"> Diamond cup grinding wheel for concrete and general construction materials Excellent price-performance ratio Simple dust extraction through openings in the backing plate Segment: brazed, standard segment 	 DS 300 B EXTRA	100 × 22.23	330622
			115 × 22.23	325361
			125 × 22.23	325362
			180 × 22.23	325363
	Asphalt / screed <ul style="list-style-type: none"> Diamond cup grinding wheel for highly abrasive materials, e. g. screed, asphalt and green concrete Simple dust extraction through openings in the backing plate Segment: brazed, standard segment 	 DS 600 A SUPRA	100 × 22.23	331026
			115 × 22.23	331027
			125 × 22.23	331028
			180 × 22.23	331029
 Grinding on hard and solid coatings with an angle grinder 	Special applications <ul style="list-style-type: none"> High performance diamond cup grinding wheel with ultra-aggressive polycrystalline diamond cutting wedges for removing epoxy resin, adhesive residue, filler, bitumen and glue Support segments ensure a smooth grinding process with low vibrations Segment: brazed, support segment 	 DS 900 PKD SPECIAL	125 × 22.23	355941
			180 × 22.23	355948
	Special applications <ul style="list-style-type: none"> Diamond cup grinding wheel with a good removal rate on hard resins and adhesive residue Efficient dust extraction Support segments ensure a smooth grinding process with low vibrations Segment: brazed, support segment 	 DS 650 PKD SUPRA	125 × 22.23	355953
			180 × 22.23	355940
 Accessories for diamond CUP grinding wheels	<ul style="list-style-type: none"> Adapter for converting backing pads with a Ø 22.23 mm hole to M14 Mounting: Thread M 14 	 DZ 114		331332

Finishings

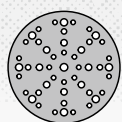
Application	Properties	Product	Diameter in mm	Grit	Hole pattern	Item number
 Sanding on paint, varnish and filler with a random orbital sander or long-neck sander 	▶ Improved abrasive and stock removal performance thanks to special heat-tempered aluminium oxide abrasive grain ▶ Reduced clogging thanks to sanding active fillers in the size coat and the semi-open grain coating ▶ Outstanding flexibility paired with good stability and tear resistance thanks to latex impregnated backing	 PS 33 CK	150	40	○ 0	147922
			150	60	○ 0	147107
			150	80	○ 0	146739
			150	120	○ 0	146740
			150	40	⊗ GLS 74	340853
			150	60	⊗ GLS 74	340370
			150	80	⊗ GLS 74	340371
			150	120	⊗ GLS 74	340375
			225	40	○ 0	223162
			225	60	○ 0	210124
			225	80	○ 0	210129
			225	120	○ 0	210130
			225	40	⊗ GLS 52	302042
			225	60	⊗ GLS 52	302043
			225	80	⊗ GLS 52	302044
			225	120	⊗ GLS 52	302046
 Sanding on paint, varnish and filler with a random orbital sander or long-neck sander 	▶ Abrasive screen with an open mesh structure ▶ Effective and full-surface dust extraction ▶ Work with greater comfort thanks to reduced dust exposure ▶ Significantly increased service life ▶ No dependency on existing suction hole systems	 AN 400	150	80		337886
			150	100		337887
			150	120		337885
			150	150		337884
			150	180		337883
			150	240		337888
			225	80		337871
			225	100		337875
			225	120		337873
			225	150		337874
			225	180		337872
			225	240		337878

Hole patterns for discs

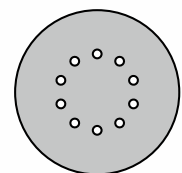
Klingspor offers many products with punched hole patterns.
The hole pattern you need depends on the machine you are using.



Shape 0
no hole, different dimensions











GLS 74
 Ø 150 mm
 8 suction holes Ø 9.5 mm on hole circle Ø 119 mm
 16 suction holes Ø 6 mm on hole circle Ø 119 mm
 8 suction holes Ø 7 mm on hole circle Ø 95 mm
 8 suction holes Ø 8.5 mm on hole circle Ø 65 mm
 8 suction holes Ø 6 mm on hole circle Ø 39 mm
 1 centre hole Ø 10 mm



GLS 52
 Ø 225 mm
 10 suction holes Ø 12 mm on hole circle Ø 105 mm

Finishings

Application	Properties	Product	Dimensions	Grit	Item number		
<div></div> <div>Off-hand sanding on paint, varnish, filler and wood</div> <div></div>	<div>Paint / varnish / filler / wood</div> <ul style="list-style-type: none">▶ High aggressiveness and reduced clogging thanks to semi-open grain coating▶ Specially designed for off-hand sanding on a variety of materials▶ Stable backing for level surfaces	<div></div> <div>PS 30 D</div>	230 × 280	40	194660		
			230 × 280	60	194662		
			230 × 280	80	194663		
			230 × 280	120	194665		
			230 × 280	150	194666		
			230 × 280	180	194667		
			230 × 280	240	194668		
			230 × 280	320	194669		
	<div>Paint / varnish / filler / wood</div> <ul style="list-style-type: none">▶ Flexible finishing paper for a wide range of applications on wood and varnish▶ Wear characteristics optimised for off-hand sanding▶ Product with an optimum price-performance ratio	<div></div> <div>PL 31 B</div>	230 × 280	40	2059		
			230 × 280	60	2061		
			230 × 280	80	2062		
			230 × 280	120	2049		
			230 × 280	150	2050		
			230 × 280	180	2051		
			230 × 280	220	2052		
			230 × 280	240	2053		
			230 × 280	320	2055		
<div></div> <div>Off-hand sanding of NF metals, steel and wood</div> <div></div>			<div>NF metals / steel / wood</div> <ul style="list-style-type: none">▶ High quality abrasive for universal off-hand sanding applications▶ Exceptional ability to shape to the contours of the workpiece thanks to a highly flexible cloth backing▶ Can be torn off by hand in a clean and easy manner	<div></div> <div>KL 361 JF</div>	50 × 50000	80	3852
	50 × 50000	120			3854		
	50 × 50000	150			3855		
	50 × 50000	180			3856		
	50 × 50000	240			3858		
	<div>NF metals / steel / wood</div> <ul style="list-style-type: none">▶ Affordable universal product with a stable cloth backing▶ Exceptionally well suited for handheld surface grinding of metals and NF metals	<div></div> <div>KL 371 X</div>			230 × 280	40	2100
					230 × 280	60	2102
					230 × 280	80	2103
			230 × 280	120	2105		
			230 × 280	180	2107		
			230 × 280	240	2109		



Drilling

Simple hole starting, clean drilling

Drilling is ubiquitous at the construction site: Whether it is breakthroughs for chimney pipes, ducts for wiring harnesses or holes for sanitary installation pipes. The requirements may vary tremendously depending on the wall thickness, the material and the machine used. What is more, some applications, especially work on sanitary installations involving such tasks as installing towel holders or sink mounting hardware, require primarily that the tiled section remain intact.

The drills and drill bits made by Klingspor allow bricklayers, fireplace builders or tilers to drill the holes they need in a clean, precise and efficient manner. But, that is not the only application for Klingspor's drill bits: they are also used in road building and construction above and below ground. The wide range of available diameters and accessories lets every professional user find the product that matches their particular application to a T.

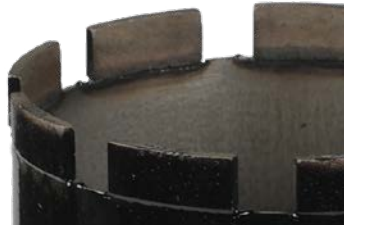
Discover the range of our drills and drill bits in its entirety on the following pages.

The right tool for every construction site

Every application poses new challenges for your tools. Picking the right tool for the job is pivotal.

Diamond drill bits

Equipped with high quality diamond segments, our drill bits are predominantly used in shell construction, on sanitary installations and during interior finishing work. Suitable for wet drilling, they make it possible to work with minimum dust exposure. We offer an abundance of different versions and diameters that can be matched with your particular application.



Dry drill bit

Our dry drill bits are especially exciting to users who need to tile or perform precision work on sanitary installations. They allow for drilling with pinpoint accuracy and without any bursting, cracking or splintering of even the hardest materials.



Core cutter for switch boxes

There are no better tools than our high quality core cutters for switch boxes when it comes to placing the holes needed for power outlets with great speed and precision. They are suitable for all common construction site materials, masonry or chalky sandstone. These properties allow electricians and drywall builders in particular to create the perfect openings for power outlets.





Diamond tools

Number of revolutions

Diamond tools made by Klingspor are high performance products and have been engineered to reach their highest level of performance at a speed immediately below their maximum circumferential speed. The maximum permissible values for motor speed and maximum operating

speed are indicated on every diamond tool. The table below contains all permissible maximum speeds as a function of the diameter and the maximum permissible operating speed of the diamond tools.

Maximum operating speed [m/s]										
Ø [mm]	30	35	40	45	50	55	60	70	80	100
	200	2865	3342	3820	4297	4775	5252	5730	6685	7640
	230	2491	2906	3322	3737	4152	4567	4982	5813	6643
	250	2292	2674	3056	3438	3820	4202	4584	5348	6112
	300	1910	2228	2547	2865	3183	3502	3820	4456	5093
	350	1637	1910	2183	2456	2728	3001	3274	3820	4366
	400	1432	1671	1910	2149	2387	2626	2865	3342	3820
	450	1273	1485	1698	1910	2122	2334	2547	2971	3395
	500	1146	1337	1528	1719	1910	2101	2292	2674	3056
	550	1042	1215	1389	1563	1736	1910	2084	2431	2778
	600	955	1114	1273	1432	1592	1751	1910	2228	2547

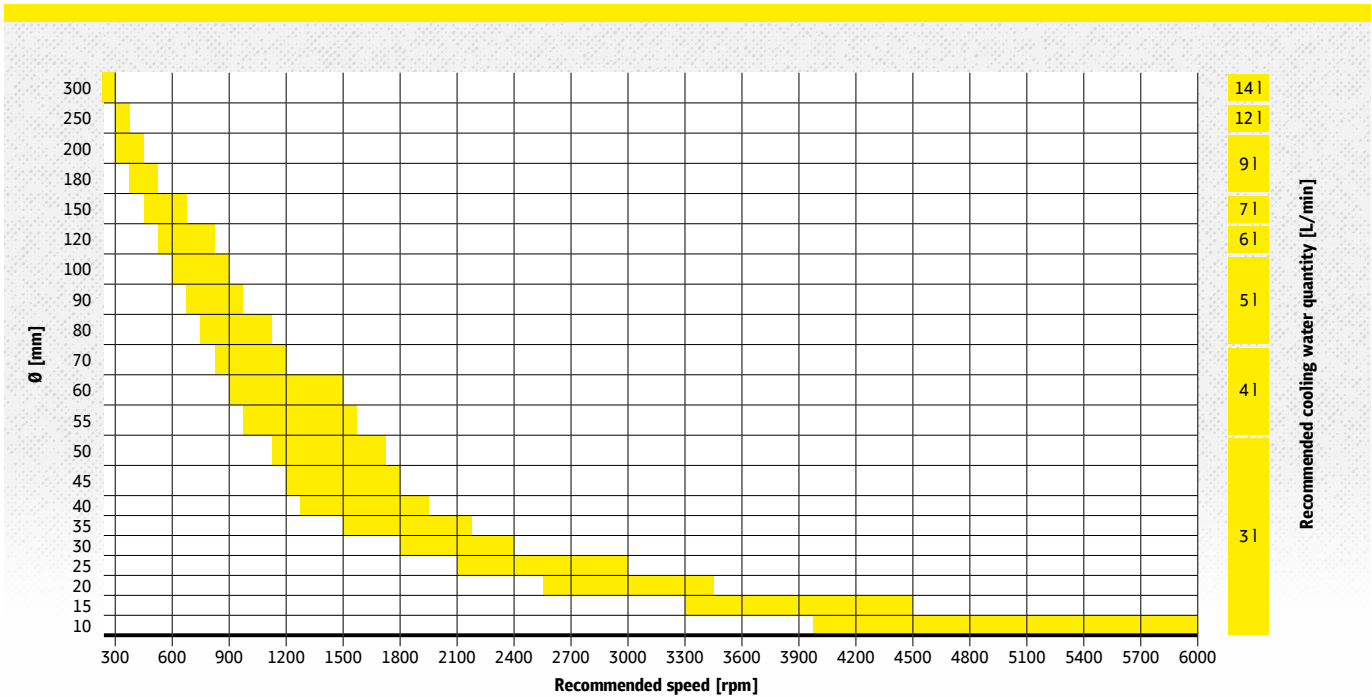
Motor speeds and cooling water quantity

The recommended speed range


The chart illustrates the ideal speed range for drill bits as a function of the diameter and the maximum permissible operating speed.

Recommended cooling water quantity

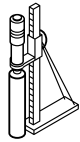


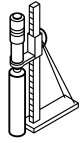









Drill bits require cooling with water regardless of the material on which they are used. Refer to the right side of the table for the recommended quantity of cooling water.












Product overview "Drilling"

Application	Properties	Product	Dimensions in mm	Item number
 Drilling of clearance and blind holes in concrete and masonry with core drilling equipment and hands-free core drilling machines	<ul style="list-style-type: none">▶ Diamond drill bit for small-diameter applications, e.g. for fastening heavy load anchors, holes for chemical dowels or injection applications▶ Ring segments for particularly smooth operation▶ Fast cutting and exceptional service life▶ Replacement segments available (see D0 900 B)▶ Usable length: 300 mm▶ Connection: R ½" male thread▶ Diameter: 8 – 52 mm▶ Segment: laser-welded, 10 mm		8 x 2 x 300	325791
			10 x 2 x 300	325792
 Concrete	<ul style="list-style-type: none">▶ Diamond drill bit for use on core drilling machines to create openings or holes for supply lines▶ Optimised drill start thanks to use of roof-shaped segments▶ Ultra-fast cutting, long service life▶ Suitable for use on core drilling machines with electric or hydraulic motors▶ Replacement segments available (see DE 600 B)▶ Usable length: 450 mm▶ Connection: 1 ¼" UNC▶ Diameter: 52 – 300 mm▶ Segment: laser-welded, 11 mm		12 x 2 x 300	325793
			14 x 2 x 300	325794
			15 x 2.5 x 300	325795
			16 x 2.5 x 300	325796
			18 x 2.5 x 300	325797
			20 x 2.5 x 300	325798
			22 x 2.5 x 300	325799
			24 x 2.5 x 300	325800
			25 x 2.5 x 300	325801
			26 x 2.5 x 300	325802
			28 x 2.5 x 300	325803
			30 x 2.5 x 300	325804
			32 x 2.5 x 300	325805
			35 x 3 x 300	325806
			40 x 3 x 300	325807
			42 x 3.5 x 300	325808
			52 x 3.5 x 300	325811
			52 x 3.5 x 450	325769
			56 x 3.5 x 450	325770
			61 x 3.5 x 450	325771
			62 x 3.5 x 450	325772
			66 x 3.5 x 450	325773
			72 x 3.5 x 450	325774
			82 x 3.5 x 450	325775
			92 x 3.5 x 450	325776
			102 x 3.5 x 450	325777
			112 x 3.5 x 450	325778
			122 x 4 x 450	325779
			132 x 4 x 450	325781
			142 x 4 x 450	325782
			152 x 4 x 450	325783
			162 x 4 x 450	325784
			172 x 4 x 450	325785
			182 x 4 x 450	325786
			202 x 4.5 x 450	325787
			225 x 4.5 x 450	325788
			250 x 4.5 x 450	325789
			300 x 5 x 450	325790



Application	Properties	Product	Dimensions in mm	Item number
 Drilling of clearance and blind holes in concrete and masonry with core drilling equipment and hands-free core drilling machines 	Concrete	 DK 612 B SUPRA	51 x 2.5 x 300 325720 56 x 2.5 x 300 325721 61 x 2.5 x 300 325722 71 x 2.5 x 300 325724 81 x 2.5 x 300 325755 91 x 2.5 x 300 325756 101 x 2.5 x 300 325757 111 x 2.5 x 300 325758 121 x 2.5 x 300 325759 131 x 2.5 x 300 325761 141 x 2.5 x 300 325762 151 x 2.5 x 300 325763 161 x 2.5 x 300 325764 171 x 2.5 x 300 325765 180 x 2.5 x 300 325766 201 x 2.5 x 300 325768	
 Replacement segments for reusing the drill body 	Concrete	 DO 900 B SPECIAL	8 x 2 x 10 325812 10 x 2 x 10 325813 12 x 2 x 10 325814 14 x 2 x 10 325815 15 x 2.5 x 10 325816 16 x 2.5 x 10 325817 18 x 2.5 x 10 325818 20 x 2.5 x 10 325819 22 x 2.5 x 10 325820 24 x 2.5 x 10 325821 25 x 2.5 x 10 325822 26 x 2.5 x 10 325823 28 x 2.5 x 10 325824 30 x 2.5 x 10 325825 32 x 2.5 x 10 325826 35 x 3 x 10 325827 40 x 3 x 10 325828 42 x 3.5 x 10 325829 52 x 3.5 x 10 325832	
 Core cutter drilling with percussion drill without impact 	Universal	 DD 600 U SUPRA	24 / 3.5 / 11 / 30 325833 24 / 3.5 / 11 / 40 325834 24 / 3.5 / 11 / 50 325835 24 / 4 / 11 / 60 325836 24 / 4 / 11 / 80 325837 24 / 4 / 11 / 100 325838 20 / 5 / 11 / G 325839	
 For drilling holes used for wall sockets and junction boxes 	Universal	 DD 600 U SUPRA	68 325390 82 325391	
 Adapter kit for DD 600 U 	Universal	 ADS 200	115 SDS mount 236588 115 Hexagonal 236442	



Application	Properties	Product	Dimensions in mm	Item number
 Diamond drill bit for drilling anchor holes (diameter 6 to 14 mm) using a drilling machine or cordless screwdriver 	Tiles	 DB 600 F SUPRA	6 325382 8 325527 10 325383 12 325384 14 325528	
 Diamond drill bit for drilling holes (diameter 6 to 112 mm) with an angle grinder 	Tiles	 DK 600 F SUPRA	6 330670 8 330671 10 330672 12 330673 14 330674 20 330675 22 330676 25 330677 26 325385 30 330678 35 330679 38 325386 40 330680 45 330681 50 330682 58 325387 65 325388 68 330683 70 325389 82 330685 112 330684	
 Also available as a set with centring aid in a handy and robust aluminium case 	Tiles	 DK 600 F SUPRA set	6 331076 8 10 12 14	

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Experience hands-on training for the construction, wood and metal industries – individually tailored to beginners and professionals. From interactive workshops to live training in the state-of-the-art online studio: here you will learn from the best "Abrasive Experts" how to implement your projects with the optimal abrasive solutions.

Discover the Klingspor Training Academy – your partner for expertise and success!

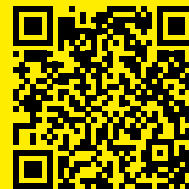


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