



# DIAMOND TOOLS

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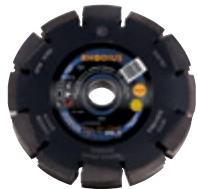
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#### LD402/LD403 ALL IN ONE

- Easy milling in a single operation

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#### LD300

- High-performance cutting disc suitable for a huge range of applications

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- Up to 50% faster wall chasing work

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on page 232More information  
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# YOUR FASTEST WAY TO THE RIGHT PRODUCT

## CHASING/CUTTING

		Chasing		Cutting	
		Ø mm	Page	Reference	
Explanation of symbols					
Concrete	All-round			LD402 / LD403	
Asphalt	Natural stone	125–150	192	LD300	LD200 SPEED
Tiles/ceramics		115–230	194	LD45	LD40
● ● ● ● ○ Points system		450–600	195	LD50	LD70
<b>Lifetime</b>		300–400	196	LD60	DG210 ALLCUT
The lifetime indicates the maximum working life for the tool.		115–400	196	LD70	DG210 SPEED
<b>Cutting ability</b>		115–350	197	LD410 SPEED	DG35
The cutting ability provides information about the cutting speed of the tool.		115–230	197	LD45	DG55
● = especially suitable		115–500	198	DG45	DG25
○ = suitable		300–500	199	DG50	DG50
○ = less suitable					
Material		Machine suitability			
Reinforcing steel/light structural steel		×			
Porcelain		○/○			
Granite		○/○			
Hard concrete with aggregates		○/○			
Glazed clay pipes/cast pipes		○/○			
Ceramic/porcelain tiles		○/○			
Glazed tiles		○/○			
High-fired tiles		○/○			
Marble		○/○			
Hard paving stones		○/○			
Clay roof tiles		○/○			
Hard bricks		○/○			
Reinforced concrete/steel concrete		○/○			
Concrete/paving bricks		○/○			
Hard stone/paving slabs		○/○			
Concrete pipes/kerbstones		○/○			
Medium-hard bricks		○/○			
Slate		○/○			
Sand-lime brick (hard)		○/○			
Concrete bricks (hard)		○/○			
Concrete blocks		○/○			
Concrete roof tiles		○/○			
Sandstone		○/○			
Hollow concrete blocks		○/○			
Asphalt		○/○			
Green concrete		○/○			
Concrete bricks (soft)		○/○			
Plastics and composites		○/○			

# YOUR FASTEST WAY TO THE RIGHT PRODUCT

## GRINDING/DRILLING

Explanation of symbols		Machine suitability	Lifetime/ cutting ability	Quality reference	Ø mm	Page	Reference
	Concrete			TOP LINE ●●●	115–180	208	DS1
	Tiles/ceramics			TOP LINE ●●●	150	209	DS2
				PRO LINE ●●○	100–180	209	DS10
Lifetime				ALPHA LINE ●○○	100–125	210	DS40
The lifetime indicates the maximum working life for the tool.				ALPHA LINE ●○○	100–180	210	DS41
Cutting ability				PRO LINE ●●○	68–82	211	CD10
The cutting ability provides information about the cutting speed of the tool.				PRO LINE ●●○	68–82	212	CD15
● = especially suitable				PRO LINE ●●○	6–70	213	CD30
● = suitable				PRO LINE ●●○	6–14	213	CD40
○ = less suitable							
Material							
Porcelain							
Granite							
Hard concrete with aggregates	● ● ○						
Ceramic/porcelain tiles							
Glazed tiles							
High-fired tiles							
Marble							
Hard bricks	● ● ● ○ ○						
Reinforced concrete/steel concrete	● ● ● ●						
Concrete/paving bricks	● ● ● ●						
Medium-hard bricks	● ● ● ○ ○						
Sand-lime brick (hard)	● ● ○ ○ ○						
Concrete bricks (hard)	● ● ○ ○ ○						
Concrete blocks	● ○ ○ ○ ○						
Sandstone	● ○ ○ ○ ○						
Hollow concrete blocks	● ○ ○ ○ ○						
Green concrete	○ ○ ○ ○ ○						
Concrete bricks (soft)	○ ○ ○ ○ ○						

## DIAMOND TOOLS

# THE DIAMOND CUTTING DISC

### THE DIAMOND – EXTREME HARDNESS AND CUTTING PERFORMANCE

Premium industrial diamonds are used to ensure the continuously high quality of our diamond tools. These diamonds are made from graphite at high temperatures and extreme pressures. Unlike natural diamonds, their properties can be consistently reproduced.

### THE BOND – TO MATCH THE APPLICATION

The diamonds are incorporated into a metal bond. The composition of the segment bond depends on the diamond cutting disc application. If soft/abrasive construction materials need to be cut, a hard bond is chosen for the segment. If the diamond cutting disc is intended for use on hard materials, a soft bond is the correct choice. Accordingly, the various properties of the metal bond affect the cutting ability and the wear of the individual segment.



#### The segment attachment – between steel core and segment

The segments on the Rhodius diamond cutting discs are attached to the steel core using one of two methods:

##### Laser welding

The best attachment between segment and steel core. Thanks to the segment base (bond without diamonds) in the segment, the diamonds are not affected by welding: instead, laser welding fuses the metal bond with the steel core to make an exceptionally durable bond.

##### Sintering

The attachment between the segment and steel core is created by compacting the segment itself at a high pressure and temperature. Diamond discs with a continuous rim are always sintered. Continuous-rim and sintered segmented diamond discs meet the high standards required for their applications. Whether sintered or laser-welded, all diamond cutting discs are manufactured to the EN 13236 standard.



##### Continuous rim

ensures high-precision cuts and very clean cutting edges



##### Turbo rim

combines a clean cutting edge with short cutting times



##### Segmented rim

Fastest cutting speed and maximum service life with segment heights of up to 17 mm

#### The rim types

The shape of the rim is also a key factor that determines the diamond cutting disc's cutting speed and the 'feel' of the cut while working.



#### Your path to the right product

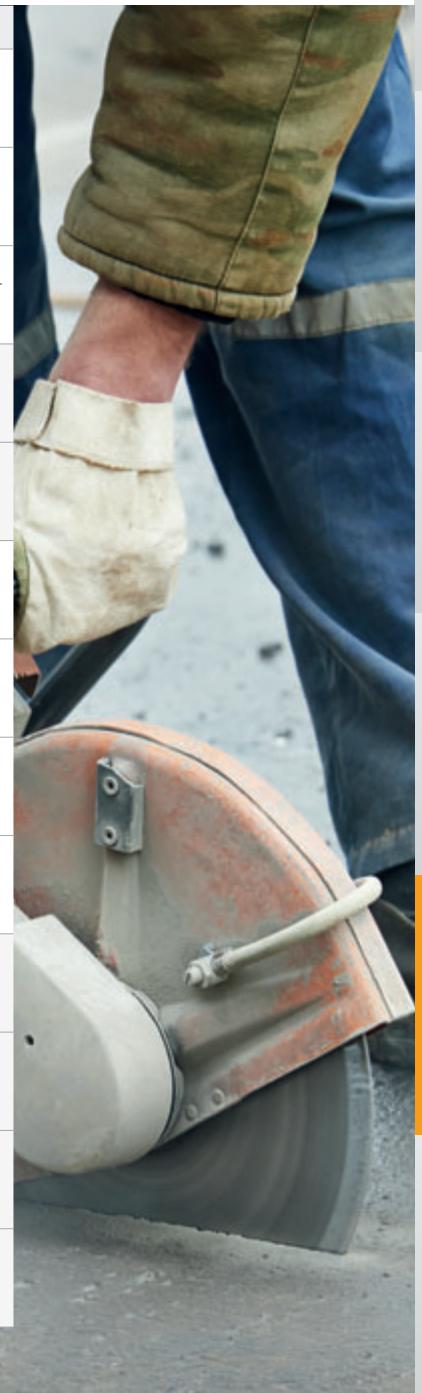
Finding the right diamond tool for your use case all depends on the material being processed. Consult the Product Finder on pp. 188–189 or use the application matrix (e.g. 'Concrete') in the relevant product chapter to find the information you need and select a product with your chosen quality reference.

## Application guidelines for optimum results with diamond cutting discs

Whether working on natural stone, tiles, concrete or asphalt – professional users expect a fast cut and a long lifetime from a diamond cutting disc. The behaviour of a diamond cutting disc within an application depends essentially on three factors: the quality of the diamonds, the bond hardness of the segment and the shape of the rim.

Find out how correct handling can increase the performance of your diamond cutting disc.

Problem	Cause	Solution
Disc does not cut or disc becomes dulled	Excessive pressure has been applied during cutting	Apply less pressure when cutting
	The diamond disc is too hard for the material to be cut	Use a cutting disc that is suitable for the material to be cut → Product Finder
		Sharpen the disc by making cuts in abrasive material (e.g. soft sand-lime bricks).
End of service life (disc is worn out)	The diamond disc is not suitable for soft, abrasive materials	Use a cutting disc that is suitable for the material to be cut → Product Finder
	Driving power is too low to ensure proper cutting behaviour of the diamond disc	Use a machine with a higher driving power
Disc overheats	Use of a diamond disc that is too hard for the material to be cut	Use a cutting disc that is suitable for the material to be cut → Product Finder
	Cooling for cutting disc is not sufficient	Wet cutting: Ensure adequate water supply and water flow rate
		Dry cutting: Lift the cutting disc out of the cut every 10–15 seconds and let it idle
	Blue discolouration on blade	Reduce the feed speed
Segment loss	Undercutting: wearing down of the steel core underneath the segment	Wet cutting: use enough water to ensure abrasive particles are washed away
		Make routine checks of the steel core and change the disc in good time
	Cutting disc jams	Ensure the material is held firmly and orient the machine straight; mark out a cut line if necessary
	Use of a diamond disc that is too hard for the material to be cut: excessive vibration causes material fatigue	Use a cutting disc that is suitable for the material to be cut → Product Finder



# THANKS TO THE ALL IN ONE NEARLY 50% FASTER



## LD402 / LD403 ALL IN ONE



**TOP LINE**

●●●●● Lifetime  
●●●●● Cutting ability



The ALL IN ONE enables quick and operator-friendly chasing of wall slots in a wide variety of materials. Thanks to the ingenious system, using segments arranged in a criss-cross formation, precise wall chasing is now possible, whereby all of the material is removed cleanly from the groove. No time-consuming chiselling out of the middle channel is required. The high-performance, laser-welded ALL IN ONE disc system cuts aggressively and features a long lifetime.

- No chiselling out of the middle channel required
- Reduces dirt and dust
- Up to 50% time savings by cutting in one operation
- Enables easy chasing of wall slots (up to 30 mm)

### Material:

- aerated concrete
- pumice
- concrete products
- concrete
- fireclay

### Typical applications:

- Easy chasing of wall grooves in a single operation



### LD402 ALL IN ONE

					Product category	GTIN/pc. EAN/pc.
125 x 7.0 x 18.0 x 22.23	12250	1	303670	PK10	4011890083260	
150 x 7.0 x 18.0 x 22.23	10200	1	303671	PK10	4011890083277	

### LD403 ALL IN ONE

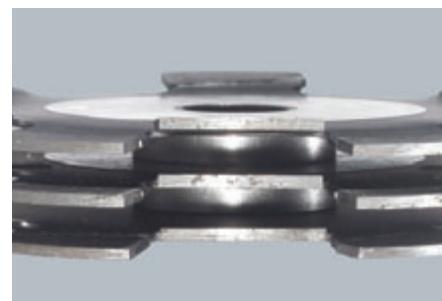
					Product category	GTIN/pc. EAN/pc.
125 x 7.0 x 28.5 x 22.23	12250	1	303621	PK10	4011890082515	
150 x 7.0 x 28.5 x 22.23	10200	1	303622	PK10	4011890082522	



### LD402/LD403 ALL IN ONE IN ACTION:

Watch video now on our  
Youtube channel.

[https://www.youtube.com/  
rhodiusabrasives1952](https://www.youtube.com/rhodiusabrasives1952)



Quick assembly, thanks to fixed dual-/triple-disc systems.

Dual-disc system for 20 mm groove width.

Triple-disc system for 30 mm groove width.

Criss-crossed diamond segments enable  
milling without creating a ridge.

# THE WALL CHASER SAFETY ALL ALONG THE LINE



**RH403S**

TOP LINE

The RH403S offers quick and easy chasing of grooves and ducts in materials such as masonry. The machine also features a slim design. For the wall chaser, RHODIUS offers the two diamond cutting discs LD402 with a width of 18 mm and LD403 with a width of 28.5 mm, with diameters of 125 mm and 150 mm. Thanks to the ALL IN ONE system with its staggered segments, made-to-measure wall slots can be created.

Thanks to the split safety spindle with matching spacers, operators can easily swap out the tool to ensure that setup time is kept to a minimum. The ALL IN ONE can be used only with the split spindle.

- Perfectly tailored to ALL IN ONE
- Foldable hood makes initial cut and milling slots virtually dust-free
- Powerful 2,300 W motor for tractive power
- Electronics – soft start, thermal/overload cut-off, overload indicator
- Suction hose lock prevents unintentional disconnection of the hose during milling work
- Tool-free and user-friendly adjustment of milling depth, from 12 to 45 mm
- Spindle lock for easy tool change
- Low clearance between hood and diamond discs allows for working up to 18 mm from the edge
- Closed hood for optimum flow conditions
- Push-to-cut ensures convenient handling
- Extraction nozzle Ø 35 mm for direct connection of a Class M industrial extraction unit
- Spacer rings for individual disc use and special brick chisel available in the add-on kit



## Technical data:

Power consumption: 2,300 W  
Rated voltage: 230 V AC  
Rated speed: 4300 rpm  
Idling speed: 7500 rpm  
Disc diameter: 150 mm  
Disc mount: 22.2 mm diameter  
Max. slot depth: 45 mm  
Weight: 7.1 kg

## Scope of delivery:

1 x RH403S wall chaser  
1 x LD403 diamond cutting disc ALL IN ONE  
(for 20/25 mm ductwork)  
2 x spacers 11 mm for LD403  
2 x spacers 17 mm for LD402  
1 x rugged metal machine case  
1 x user manual and general safety instructions  
Spacer rings for individual disc use and special brick chisel available in the add-on kit.



Effortless tool change thanks to split safe-spindle and precision-fit spacer rings

			Product category	GTIN/pc. EAN/pc.
	Wall chaser for disc diameters up to 150 mm	1	304014 PKSON	4011890110447
	RH403S add-on-kit	1	304015 PKSON	4011890110454



The small gap between the protective cover and the diamond cutting disc allows working as close as 18 mm to the edge.



Powerful 2,300 W motor for tractive power

  
**RH403S  
IN ACTION:**

Watch video now on our  
Youtube channel.  
<https://www.youtube.com/rhodiusabrasives1952>

# HIGH-PERFORMANCE CUTTING DISC SUITABLE FOR A HUGE RANGE OF APPLICATIONS

**NEW!**



**LD300**

**TOP LINE** ●●●

●●●●● Lifetime  
●●●●● Cutting ability



≤ 230 mm

80 m/s



The LD300 offers maximum performance and an optimised lifetime for a very broad range of applications ranging from medium-hard to hard materials. This product has been specially developed for angle grinder use. The 12 mm segments feature a special design that ensures the rapid transport of the cutting particles away from the disc and therefore an optimised disc lifetime. The LD300 not only offers an impressively fast cutting speed but also has an optimised lifetime. Laser-welded. Suitable for wet and dry cutting.

- 12 mm segment height for an even longer lifetime
- High-performance cutting disc suitable for many kinds of applications
- Specially-shaped turbo segments increase cutting speed while optimising transport of cutting particles Wet and dry cut
- Laserwelded

#### Material:

- Concrete
- reinforced concrete
- green concrete
- sand-lime bricks
- masonry/brick

#### Typical applications:

- Extremely wide range of applications
- abrasive to hard materials

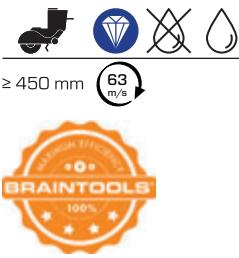
#### LD300

					Product category	GTIN/pc. EAN/pc.
	⊕	⊖	□	■		straight
115	115 × 12.0 × 2.4 × 22.23	13285	1	304461	PK10	4011890122990
125	125 × 12.0 × 2.4 × 22.23	12200	1	304462	PK10	4011890123003
150	150 × 12.0 × 2.4 × 22.23	10185	1	304463	PK10	4011890123010
180	180 × 12.0 × 2.4 × 22.23	8500	1	304464	PK10	4011890123027
230	230 × 12.0 × 2.4 × 22.23	6650	1	304465	PK10	4011890123034



## DIAMOND CUTTING DISCS / UNIVERSAL, CONCRETE

Explanation of symbols		Reference	LD300	LD200 SPEED	LD45	LD40	LD50	DG70
		Ø mm	115–230	450–600	300–400	115–400	115–350	115–230
		Quality reference	TOP LINE ●●●	TOP LINE ●●●	TOP LINE ●●●	PRO LINE ●●○	ALPHA LINE ●○○	ALPHA LINE ●○○
		Lifetime/ cutting ability	●●●●●	●●●●●	●●●●○	●●●○○	●●○○○	●○○○○
Material		Machine suitability	Ø 115 	Ø 115 				
very hard		Granite				●		
^		Hard concrete with aggregates		●	●	●	○	
^		Hard paving stones	●	●	●	●	○	○
^		Hard bricks	●		●	●	○	
^		Reinforced concrete/steel concrete	●	●	●	●		
^		Concrete/paving bricks	●	●	●	●	●	●
^		Hard stone/paving slabs						
^		Medium-hard bricks	●		●	●	●	
v		Slate	●		○	○	○	
v		Sand-lime brick (hard)/Concrete bricks (hard)	●		●	●	○	
v		Concrete blocks			●	●	○	
v		Concrete roof tiles	●		●	●	○	
v		Sandstone	●		○	○	○	
v		Hollow concrete blocks	●		●	●	○	
v		Green concrete	●			○		
v		Concrete bricks (soft)	●	○	○	○		



≥ 450 mm

63  
m/s

### LD200 SPEED

TOP LINE ●●●

mm:  
**13,0**

Lifetime ●●●●●  
Cutting ability ●●●●●

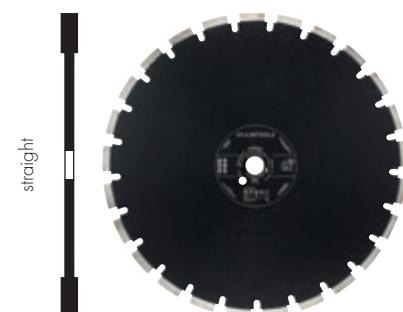
The LD200 SPEED was specifically developed for light floor saws and is particularly suitable for comfortable cutting of reinforced concrete and also of hard concrete with aggregates. Thanks to the forged segments, the vibrations are reduced to a minimum. The LD200 SPEED is equipped with 13 mm high segments and a special steel core. Laser-welded. Suitable for wet and dry cutting.

- 13 mm segment height
- for light floor saws
- special steel core with cooling openings
- more comfortable cutting due to less vibrations
- wet and dry cutting
- laserwelded

#### LD200 SPEED

	Ø mm	GTIN/pc.	EAN/pc.
450 x 13.0 x 3.6 x 25.40	2700	1	303734 PK10 4011890085097
500 x 13.0 x 3.6 x 25.40	2450	1	303735 PK10 4011890085103
600 x 13.0 x 3.6 x 25.40	2030	1	303736 PK10 4011890085110

Larger diameters are available on request.





## LD45

**TOP LINE** ●●●

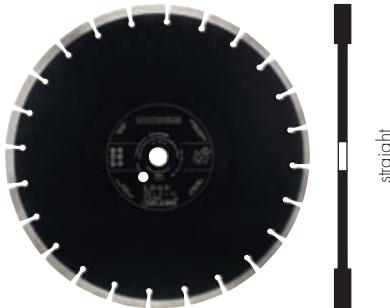
- ○ Lifetime
- ○ Cutting ability



300-400 mm ≥ 450 mm

The LD45 is specifically developed for use on table saws and petrol-driven cut-off saws. Due to its high cutting speed and long lifetime, it offers impressive performance on materials ranging from hard concrete with aggregates to soft concrete blocks. The forged segments reduce the vibrations to a minimum. Laser-welded. Suitable for wet and dry cutting.

- high cutting speed
- long lifetime
- specifically for table saws and petrol-driven cut-off saws
- wet and dry cutting
- laserwelded



**LD45**

					Product category	GTIN/pc. EAN/pc.
	300 × 11.0 × 2.8 × 25.40 *	6400	1	303839	PK10	4011890095232
	300 × 11.0 × 2.8 × 20.00	6400	1	303838	PK10	4011890095225
	350 × 11.0 × 3.0 × 25.40 *	5500	1	303837	PK10	4011890095195
	350 × 11.0 × 3.0 × 20.00	5500	1	303836	PK10	4011890095188
	400 × 11.0 × 3.2 × 20.00	4800	1	303835	PK10	4011890095171
	400 × 11.0 × 3.2 × 25.40 *	4800	1	303833	PK10	4011890095027

\* Reducer ring to hole diameters of 20.00 mm included in each packing unit

Larger diameters are available on request.



## LD40

**PRO LINE** ●●○

- ○ Lifetime
- ○ Cutting ability



≤ 230 mm 300-400 mm

The LD40 enables high cutting speeds and short cutting times on a wide range of materials from concrete to granite. The 12 mm high diamond segments of the LD40 are laser welded to the steel core of the disc. Suitable for wet and dry cutting.

- 12 mm high segments
- usable for a wide range of materials
- high cutting speed
- wet and dry cutting
- laser-welded



**LD40**

					Product category	GTIN/pc. EAN/pc.
	115 × 12.0 × 2.2 × 22.23	13300	1	302448	PK10	4011890050316
	125 × 12.0 × 2.2 × 22.23	12250	1	302450	PK10	4011890050323
	150 × 12.0 × 2.4 × 22.23	10200	1	393538	PK10	4011890051832
	180 × 12.0 × 2.4 × 22.23	8500	1	302452	PK10	4011890050330
	230 × 12.0 × 2.4 × 22.23	6650	1	302454	PK10	4011890050347
	300 × 12.0 × 2.8 × 20.00	6400	1	302456	PK10	4011890050354
	300 × 12.0 × 2.8 × 25.40 *	6400	1	303437	PK10	4011890072240
	350 × 12.0 × 3.2 × 20.00	5500	1	302514	PK10	4011890050361
	350 × 12.0 × 3.2 × 25.40 *	5500	1	303438	PK10	4011890072257
	400 × 12.0 × 3.2 × 25.40 *	4800	1	303921	PK10	4011890098622

\* Reducer ring to hole diameters of 20.00 mm included in each packing unit



$\leq 230 \text{ mm}$   $300-400 \text{ mm}$

## LD50

ALPHALINE



Lifetime Cutting ability

The LD50 is the high-performance tool for the cost-conscious user. It achieves good cutting times in concrete, while also offering a good lifetime. Laser-welded. Suitable for wet and dry cutting.

- good cutting times
- good lifetime
- wet and dry cutting
- laser-welded

					Product category	GTIN/pc. EAN/pc.
	115 x 10.0 x 2.2 x 22.23	13300	1	303185	PK10	4011890059104
	125 x 10.0 x 2.2 x 22.23	12250	1	303186	PK10	4011890059111
	150 x 10.0 x 2.4 x 22.23	10200	1	303187	PK10	4011890059128
	180 x 10.0 x 2.4 x 22.23	8500	1	303188	PK10	4011890059135
	230 x 10.0 x 2.4 x 22.23	6650	1	303189	PK10	4011890059142
	350 x 10.0 x 2.8 x 25.40 *	5500	1	303447	PK10	4011890072271

\* Reducer ring to hole diameters of 20.00 mm included in each packing unit



$\leq 230 \text{ mm}$

## DG70

ALPHALINE



Lifetime Cutting ability

With the DG70, the user gets an attractive tool for concrete, which offers an impressive price-performance ratio. Suitable for wet and dry cutting.

- good value for money
- wet and dry cutting
- sintered

					Product category	GTIN/pc. EAN/pc.
	115 x 7,0 x 1,6 x 22,23	13300	1	304091	PK10	4011890110737
	125 x 7,0 x 1,6 x 22,23	12250	1	304092	PK10	4011890110744
	150 x 7,0 x 2,0 x 22,23	10200	1	304093	PK10	4011890110751
	180 x 7,0 x 2,0 x 22,23	8500	1	304094	PK10	4011890110768
	230 x 7,0 x 2,3 x 22,23	6650	1	304095	PK10	4011890110775



# DIAMOND CUTTING DISC / ALLCUT



## Explanation of symbols

●●●●○ Points system

### Lifetime

The lifetime indicates the maximum working life for the tool.

### Cutting ability

The cutting ability provides information about the cutting speed of the tool.

- = especially suitable
- = suitable
- = less suitable

	Reference	DG210 ALLCUT
	Ø mm	115–500
	Quality reference	TOP LINE
	Lifetime/ cutting ability	●●●●○
Material	Machine suit- ability	Ø/8 → → →
Reinforcing steel/light structural steel		●
Universal materials		○
Reinforced concrete/Building materials		○
Plastics and composites		○



## DG210 ALLCUT

TOP LINE ●●●

- Lifetime
- Cutting ability



≤ 230 mm 80 m/s 300–400 mm 100 m/s ≥ 450 mm 63 m/s

With the DG210 ALLCUT, the user gets a real universal disc. It offers an impressively constant cutting performance in a variety of materials. The cooling holes below the segments prevent the steel core from overheating. Vacuum-brazed. Suitable for wet and dry cutting.

- versatile disc for use in a variety of materials
- constant cutting performance
- cooling holes below the segments prevent overheating
- wet and dry cutting
- vacuum-brazed



## DG210 ALLCUT

	Product category	GTIN/pc. EAN/pc.
115 x 3.0 x 2.5 x 22.23	PK10	4011890071397
125 x 3.0 x 2.5 x 22.23	PK10	4011890071403
150 x 3.0 x 2.5 x 22.23	PK10	4011890071410
180 x 3.0 x 2.8 x 22.23	PK10	4011890071427
230 x 3.0 x 2.8 x 22.23	PK10	4011890071434
300 x 3.0 x 3.1 x 25.40 *	PK10	4011890071441
350 x 3.0 x 3.1 x 25.40 *	PK10	4011890071465
400 x 3.0 x 3.3 x 25.40 *	PK10	4011890071472
500 x 3.0 x 3.9 x 25.40 *	PK10	4011890071489

\* Reducer ring to hole diameters of 20.00 mm included in each packing unit



## DIAMOND CUTTING DISCS / ASPHALT

### Explanation of symbols

●●●●○ Points system

### Lifetime

The lifetime indicates the maximum working life for the tool.

### Cutting ability

The cutting ability provides information about the cutting speed of the tool.

- = especially suitable
- = suitable
- = less suitable

Reference	LD70	LD60
Ø mm	300–500	300–500
Quality reference		
Lifetime / cutting ability	●●●○○	●●●○○
Machine suitability		
Asphalt	●	●
Green concrete	○	



300-400 mm ≥ 450 mm

The LD70 is equipped with 13 mm high diamond segments. The wear protection segments used here on the LD70 reduce under-cutting of the steel core and a particularly high standard of safety is achieved. The forged segments reduce the vibrations to a minimum. Laser-welded. Suitable for wet and dry cutting.

- 13 mm segment height
- wear protection segments work to prevent under-cutting of the steel core
- forged segments
- wet and dry cutting
- laser-welded

### LD70

●●●



Lifetime ●●●●○○  
Cutting ability ●●●●○○

				Product category	GTIN/pc. EAN/pc.
	300 × 13.0 × 2.8 × 25.40 *	6400	1	PK10	4011890072530
	350 × 13.0 × 3.0 × 25.40 *	5500	1	PK10	4011890072349
	400 × 13.0 × 3.2 × 25.40 *	4800	1	PK10	4011890072356
	450 × 13.0 × 3.6 × 25.40	2700	1	PK10	4011890072363
	500 × 13.0 × 3.6 × 25.40	2450	1	PK10	4011890072370

\* Reducer ring to hole diameters of 20.00 mm included in each packing unit

Larger diameters are available on request.



mm:  
11,0

## LD60

PROLINE ●●○

- Lifetime
- Cutting ability



300-400 mm

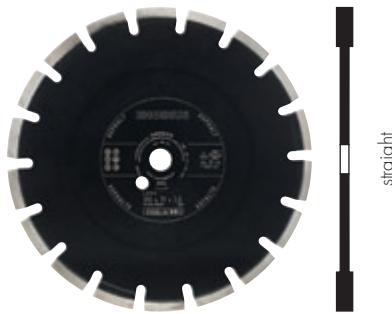
100  
m/s

≥ 450 mm

63  
m/s

The LD60 is equipped with 11 mm high diamond segments. The wear protection segments used here on the LD70 reduce under-cutting of the steel core and a particularly high standard of safety is achieved. The forged segments reduce the vibrations to a minimum. Laser-welded. Suitable for wet and dry cutting.

- 11 mm segment height
- wear protection segments work to prevent under-cutting of the steel core
- forged segments
- wet and dry cutting
- laserwelded



### LD60

	∅	V/min		Product category	GTIN/pc. EAN/pc.
●●○	300 x 11.0 x 2.8 x 20.00	6400	1	303746 PK10	4011890085219
●●○	300 x 11.0 x 2.8 x 25.40 *	6400	1	303494 PK10	4011890072394
●●○	350 x 11.0 x 3.0 x 20.00	5500	1	303747 PK10	4011890085226
●●○	350 x 11.0 x 3.0 x 25.40 *	5500	1	303496 PK10	4011890072417
●●○	400 x 11.0 x 3.2 x 20.00	4800	1	303748 PK10	4011890085233
●●○	400 x 11.0 x 3.2 x 25.40 *	4800	1	303497 PK10	4011890072424
●●○	450 x 11.0 x 3.6 x 25.40	2700	1	303498 PK10	4011890072431
●●○	500 x 11.0 x 3.6 x 25.40	2450	1	303499 PK10	4011890072448

\*Reducer ring to hole diameters of 22.23 mm and 20.00 mm included in each packing unit

Larger diameters are available on request.



DIAMOND CUTTING DISCS / NATURAL AND ARTIFICIAL STONE					
Explanation of symbols		Reference	LD410 SPEED	LD4	DG35
		Ø mm	115-400	115-230	115-230
<b>Lifetime</b> The lifetime indicates the maximum working life for the tool.		Quality reference	TOP LINE ●●●	PRO LINE ●●○	PRO LINE ●●○
<b>Cutting ability</b> The cutting ability provides information about the cutting speed of the tool.		Lifetime/ cutting ability	●●●●●	●●●○○	●●●○○
● = especially suitable ○ = suitable ○ = less suitable		Machine suitability	○/○	○/○	○/○
Material					
Porcelain				○	
Granite		●	●	●	●
Hard concrete with aggregates		○	○	○	
Ceramic/porcelain tiles/ Glazed tiles/High-fired tiles			●	○	○
Marble		●	○	○	○
Hard paving stones		●	○	○	
Clay roof tiles		●		○	○
Hard bricks/Reinforced concrete/steel concrete/ Concrete pipes/kerbstones		●	○	○	
Concrete/paving bricks		●	○	●	○
Hard stone/paving slabs		●		○	
Medium-hard bricks		●	○	○	○
Slate/Sand-lime brick (hard)/ Concrete bricks (hard)		○	●	○	
Concrete blocks/Hollow concrete blocks		○	○	○	○
Concrete roof tiles		●	○	●	○



≤ 230 mm 80 m/s 300-400 mm 100 m/s



## LD410 SPEED

TOP LINE ●●●

mm:  
13,0-  
17,0

Lifetime ●●●●●  
Cutting ability ●●●●●

With its 17 mm high diamond segments, the LD410 SPEED achieves an extra-long lifetime in materials from granite to concrete. The LD410 SPEED enables particularly comfortable cutting as the vibrations have been reduced to a minimum with the forged segments. In addition, the steel core has cooling openings. It is particularly suited for angle grinders, table saws and petrol-driven cut-off saws. Laser-welded. Suitable for wet and dry cutting.

- extra-long lifetime due to forged segments with a height of up to 17 mm
- for angle grinders, petrol-driven cut-off saws and table saws
- special steel core with cooling openings
- more comfortable cutting due to less vibrations
- wet and dry cutting
- laser-welded

### LD410 SPEED

	Ø	V/min		Product category	GTIN/pc. EAN/pc.
115	115 x 13.0 x 2.4 x 22.23	13300	1	PK10	4011890084878
125	125 x 13.0 x 2.4 x 22.23	12250	1	PK10	4011890084885
150	150 x 13.0 x 2.4 x 22.23	10200	1	PK10	4011890084892
180	180 x 13.0 x 2.4 x 22.23	8500	1	PK10	4011890084908
230	230 x 17.0 x 2.8 x 22.23	6650	1	PK10	4011890084915
300	300 x 17.0 x 2.8 x 25.40*	6400	1	PK10	4011890084939
350	350 x 17.0 x 3.0 x 25.40*	5500	1	PK10	4011890084953
400	400 x 17.0 x 3.2 x 25.40*	4800	1	PK10	4011890084977



\*Reducer ring to hole diameter of 20.00 mm included in each packing unit.



## LD4

**PROLINE** ●●○

- Lifetime
- Cutting ability

The LD4 is equipped with 12 mm high turbo segments and is particularly convincing due to its excellent cutting ability in materials from granite to concrete. At the same time, it is characterised by a particularly long lifetime. Laser-welded. Suitable for wet and dry cutting

- 12 mm segment height
- long lifetime
- very high cutting speed due to specially shaped turbo segments
- wet and dry cutting
- laserwelded



### LD4

	∅	V/min		Product category	GTIN/pc. EAN/pc.
115	115 x 12.0 x 2.2 x 22.23	13300	1	303160	PK10 4011890057834
125	125 x 12.0 x 2.2 x 22.23	12250	1	303161	PK10 4011890057841
150	150 x 12.0 x 2.4 x 22.23	10200	1	303162	PK10 4011890057858
180	180 x 12.0 x 2.4 x 22.23	8500	1	303163	PK10 4011890057865
230	230 x 12.0 x 2.4 x 22.23	6650	1	303164	PK10 4011890057872



## DG35

**PROLINE** ●●○

- Lifetime
- Cutting ability

The high-performance diamond cutting disc DG35 with continuous turbo rim offers an impressively long lifetime, high cutting speed and a wide range of possible applications from granite to concrete. At the same time, its 10 mm high segments allow fast working and clean cutting edges. Suitable for wet and dry cutting.

- 10 mm segment height for a very good lifetime
- short cutting times
- continuous turbo rim enables high cutting speed and clean cutting edges
- usable on a wide range of materials from granite to concrete
- wet and dry cutting



### DG35

	∅	V/min		Product category	GTIN/pc. EAN/pc.
115	115 x 7.5 x 2.0 x 22.23	13300	1	302236	PK10 4011890050378
125	125 x 7.5 x 2.0 x 22.23	12250	1	302239	PK10 4011890050385
180	180 x 7.5 x 2,5 x 22.23	8500	1	302242	PK10 4011890050392
230	230 x 7.5 x 2.5 x 22.23	6650	1	302245	PK10 4011890050408



80  
m/s**DG55**

ALPHALINE ●●○



Lifetime ●●○○○○  
 Cutting ability ●●○○○○

The all-round tool DG55 provides the user with a very good price-performance ratio in the area of natural stones. The continuous turbo rim allows fast working and clean cutting edges. Suitable for wet and dry cutting.

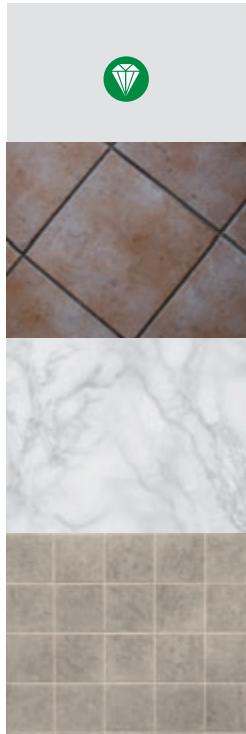
- universal application for natural stones
- good price:performance ratio
- continuous turbo rim enables high cutting speed and clean cutting edges
- wet and dry cutting

				Product category	GTIN/pc. EAN/pc.
	115 x 7.0 x 1.9 x 22.23	13300	1	303402	PK10 4011890071816
	125 x 7.0 x 1.9 x 22.23	12250	1	303404	PK10 4011890071823
	180 x 7.0 x 2.2 x 22.23	8500	1	303408	PK10 4011890071847
	230 x 7.0 x 2.5 x 22.23	6650	1	303410	PK10 4011890071854



# DIAMOND CUTTING DISCS / TILES, CERAMICS

Explanation of symbols		Reference	DG10	DG15	LD1	DG45	DG25	DG50
		Ø mm	115–350	115–125	115–230	115–125	115–230	105–250
		Quality reference	TOP LINE	TOP LINE	TOP LINE	PRO LINE	PRO LINE	ALPHA LINE
		Lifetime/ cutting ability	●●●●○ Points system					
Material		Machine suitability	○/X 	○/X 	○/X 	○/X 	○/X 	○/X 
	Porcelain		●	○	●	○	○	○
	Granite		○	○	○	○	○	○
	Ceramic/porcelain tiles		●		●	●		○
	Glazed tiles		●	○	○	●	○	●
	High-fired tiles		○	●	○	○		○
	Marble		○	○	●	○	●	○



## DG10

TOP LINE ●●●



≤ 230 mm 80 m/s ≥ 300 mm 100 m/s

●●●●○ Lifetime  
●●●●○ Cutting ability

The extrathin DG10 was specifically developed for dry cutting and offers a maximum of performance and precision on a wide range of materials. Its continuous turbo rim is an impressive feature. This enables extremely short cutting times and very clean cutting edges. At the same time, dust generation during dry cutting has been further reduced with the DG10.

- low dust generation
- continuous turbo rim enables high cutting speed
- narrow cut width for exact cuts and clean cutting edges
- usable for a wide range of materials
- developed for dry cutting



## DG10

	Ø	U/min		Product category	GTIN/pc. EAN/pc.
	115 x 10.0 x 1.4 x 22.23	13300	1	303606	PK10 4011890082256
	125 x 10.0 x 1.4 x 22.23	12250	1	303754	PK10 4011890087695
	230 x 10.0 x 2.0 x 22.23	6650	1	303607	PK10 4011890082263
	300 x 10.0 x 2.2 x 25.40	6400	1	303608	PK10 4011890082270
	350 x 10.0 x 2.4 x 25.40	5500	1	303609	PK10 4011890082287

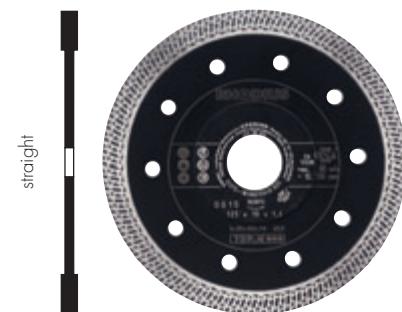
80  
m/s**DG15****TOP LINE** ●●●

Lifetime ●●●●○  
Cutting ability ●●●●●

With a segment width of 1.4 mm, the DG15 is able to achieve very high cutting speeds. Due to the special diamond bond within the 10 mm high segments, it is particularly suited for cutting high-fired tiles, stoneware and ceramics. In this area, it shows its full potential and also excels with very low dust generation during dry cutting. With its reinforced steel core, the DG15 ensures a precise cut and clean cutting edges.

- 10 mm high segments
- low dust generation
- optimised diamond bond for hard tiles, ceramics and fine stoneware
- reinforced steel core ensures a precise cut and a clean cutting edge
- 1.4 mm segment width for a high cutting speed
- wet and dry cutting

				Product category	GTIN/pc. EAN/pc.
115 x 10.0 x 1.4 x 22.23	13300	1	303900	PK10	4011890097670
125 x 10.0 x 1.4 x 22.23	12250	1	303870	PK10	4011890095638

**DG15**80  
m/s**LD1****TOP LINE** ●●●

Lifetime ●●●●○  
Cutting ability ●●●●●

The LD1 ensures a cool, fast and particularly precise cut – with a smooth continuous rim and clean cutting edge. At the same time, dust generation during dry cutting is reduced to a minimum. Suitable for wet and dry cutting.

- low dust generation
- extra-thin cutting disc for a high cutting speed and precise cuts
- smooth continuous rim for a clean cutting edge
- wet and dry cutting

				Product category	GTIN/pc. EAN/pc.
115 x 5.0 x 1.2 x 22.23	13300	1	303101	PK10	4011890055342
125 x 5.0 x 1.2 x 22.23	12250	1	303102	PK10	4011890055359
180 x 5.0 x 1.9 x 22.23	8500	1	303103	PK10	4011890055366
230 x 5.0 x 1.9 x 22.23	6650	1	303104	PK10	4011890055373

**LD1**

mm:  
**10,0****DG45****PROLINE** ●●○

- Lifetime
- Cutting ability

80  
m/s

With its smooth continuous rim, the DG45 enables short cutting times, particularly smooth cutting and very clean cutting edges. The DG45 was specifically developed for dry cutting applications and shows its full potential in this area with its 10 mm high segments.

- 10 mm high segments
- short cutting times
- smooth continuous rim for a clean cutting edge
- specifically developed for dry cutting

**DG45**

					Product category	GTIN/pc. EAN/pc.
	115 x 10.0 x 1.6 x 22.23	13300	1	302390	PK10	4011890038666
	125 x 10.0 x 1.6 x 22.23	12250	1	302393	PK10	4011890049754

mm:  
**3,0****DG25****PROLINE** ●●○

- Lifetime
- Cutting ability

80  
m/s

The DG25 is a electroplated special cutting disc and optimised for marble. It achieves short cutting times and a long lifetime. The DG25 makes very precise work much easier. Optimal free cut results in clean cutting edges. Suitable for wet and dry cutting.

- short cutting time
- long lifetime
- electroplated special cutting disc
- diamond bond optimised for marble
- precise cuts and clean cutting edges
- optimal free cut
- wet and dry cutting

**DG25**

					Product category	GTIN/pc. EAN/pc.
	115 x 3.0 x 2.4 x 22.23	13300	1	303171	PK10	4011890057988
	125 x 3.0 x 2.4 x 22.23	12250	1	303172	PK10	4011890057995
	180 x 3.0 x 2.6 x 22.23	8500	1	303173	PK10	4011890058008
	230 x 3.0 x 3.0 x 22.23	6650	1	303174	PK10	4011890058015

80  
m/s**DG50**

ALPHALINE ●●○



Lifetime ●●○○○○  
Cutting ability ●●○○○○

The DG50 offers an impressively good price-performance ratio. With its smooth continuous rim, it ensures clean cutting edges and is suited for universal use in tiles. Suitable for wet and dry cutting.

- smooth continuous rim for clean cutting edges
- universal application
- good price-performance ratio
- wet and dry cutting

DG50						
				Product category	GTIN/pc. EAN/pc.	
	105 x 7.0 x 1.6 x 22.23	15300	1	304466	PK10	4011890123041
	115 x 7.0 x 1.6 x 22.23	13300	1	303053	PK10	4011890054062
	125 x 7.0 x 1.6 x 22.23	12250	1	303054	PK10	4011890054079
	150 x 7.0 x 1.6 x 22.23	10200	1	303197	PK10	4011890059388
	180 x 7.0 x 1.9 x 22.23	8500	1	303055	PK10	4011890054086
	180 x 7.0 x 1.9 x 25.40	8500	1	303056	PK10	4011890054093
	180 x 7.0 x 1.9 x 30.00 *	8500	1	303710	PK10	4011890084571
	200 x 7.0 x 1.9 x 30.00 *	7650	1	303711	PK10	4011890084588
	230 x 7.0 x 1.9 x 22.23	6650	1	303057	PK10	4011890054109
	230 x 7.0 x 1.9 x 25.40	6650	1	303058	PK10	4011890054116
	250 x 7.0 x 1.9 x 25.40	6150	1	304467	PK10	4011890123058

\* Reducer ring to hole diameters of 25.40 mm and 22.23 mm included in each packing unit.

Reducer ring to 16.00 mm hole included with 105 mm diameter and to 20.00 mm hole with 250 mm diameter.



# DIAMOND CUP WHEELS / ANGLE GRINDERS



Explanation of symbols		Reference	DS1	DS2	DS10	DS40	DS41
● ● ● ● ○ Points system		Page	208	209	209	210	210
Lifetime		Ø mm	115–180	150	100–180	100–125	100–180
Cutting ability		Quality reference	TOP LINE	TOP LINE	PRO LINE	ALPHA LINE	ALPHA LINE
● = especially suitable ○ = suitable ○ = less suitable		Lifetime/ cutting ability	●●●●○ ●●●●○	●●●●○ ●●●●○	●●●●○ ●●●●○	●●●●○ ●●●●○	●●●●○ ●●●●○
Material		Machine suitability	■	■	■	■	■
Hard concrete with aggregates			●	●	○		
Hard bricks			●	●	●	○	○
Reinforced concrete/steel concrete			●	●	●		
Concrete/paving bricks			●	●	●	●	●
Medium-hard bricks			●	●	●	○	○
Sand-lime brick (hard)			●	●	○	○	○
Concrete bricks (hard)			●	●	○	○	○
Concrete blocks			○	○	○	○	○
Sandstone			○		●		
Hollow concrete blocks			○		●		
Green concrete			○		●		
Concrete bricks (soft)			○				



**DS1**

**TOP LINE** ●●●

●●●●○ Lifetime  
●●●●○ Stock removal



80  
m/s

High-performance diamond cup wheel with forged segments featuring high concentration of diamonds.

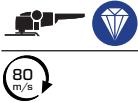
- Maximum stock removal performance
- Ideal for levelling formwork joints

Also suitable for Hilti machines



**DS1**

	∅ mm	U/min	Box	Product category	GTIN/pc. EAN/pc.
115	115 × 5.0 × 8.0 × 22.23	13300	1	PK10	4011890095614
125	125 × 5.0 × 8.0 × 22.23	12250	1	PK10	4011890072479
180	180 × 5.0 × 8.0 × 22.23	8500	1	PK10	4011890072486



DS2

TOP LINE



Diamond cup wheel for work on building materials.

- High stock removal performance
- Good dust removal

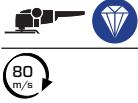
Special adapter for Hilti machines

Lifetime

Stock removal

				Product category	GTIN/pc. EAN/pc.
	150 × 5.0 × 8.0 × 19.00	10200	1	303765	PK10 4011890089989

DS2



DS10

PRO LINE



Twin-row diamond cup wheel. Ideal for levelling formwork joints.

- High concentration of diamonds
- Long lifetime
- Aggressive grinding

Lifetime

Stock removal

				Product category	GTIN/pc. EAN/pc.
	100 × 5.0 × 8.0 × 22.23	15300	1	302916	PK10 4011890042724
	100 × 5.0 × 8.0 × M14	15300	1	302927	PK10 4011890042793
	125 × 5.0 × 8.0 × 22.23	12250	1	302917	PK10 4011890042731
	125 × 5.0 × 8.0 × M14	12250	1	302928	PK10 4011890042809
	180 × 5.0 × 8.0 × 22.23	8500	1	303766	PK10 4011890089996

DS10





## DS40

**ALPHA LINE ●○○**

- Lifetime
- Stock removal

80  
m/s

Twin-row diamond cup wheel for the cost-conscious professional.

- Good dust removal
- Good stock removal

**DS40**

					Product category	GTIN/pc. EAN/pc.
	100 × 5.0 × 8.0 × 22.23	15300	1	303416	PK10	4011890071885
	125 × 5.0 × 7.0 × 22.23	12250	1	303222	PK10	4011890061312



## DS41

**ALPHA LINE ●○○**

- Lifetime
- Stock removal

80  
m/s

Diamond cup wheel with a special segment shape for abrasive materials.

- Prevents clogging
- Excellent dust removal

**DS41**

					Product category	GTIN/pc. EAN/pc.
	125 × 5.0 × 7.0 × 22.23	12250	1	303603	PK10	4011890076989
	180 × 5.0 × 7.0 × 22.23	8500	1	303554	PK10	4011890076415

## CORE DRILLS



## Explanation of symbols

●●●●○ Points system

## Lifetime

The lifetime indicates the maximum working life for the tool.

## Cutting ability

The cutting ability provides information about the cutting speed of the tool.

- = especially suitable
- = suitable
- = less suitable

	Reference	CD10	CD15	CD30	CD40
Page	211	212	213	213	
Ø mm	68–82	68–82	6–70	6–14	
Quality reference					
Lifetime/ cutting ability	●●●●○ ●●●○○	●●●●○ ●●●○○	●●●●○ ●●●○○	●●●●○ ●●●○○	
Material	Machine suit- ability				
Porcelain			○	○	
Granite			○	○	
Hard concrete with aggregates	○	○			
Ceramic/porcelain tiles			○	○	
Glazed tiles			●	●	
High-fired tiles			○	○	
Marble			●	●	
Reinforced concrete/steel concrete	○	○			
Concrete/paving bricks	●	●			
Medium-hard bricks	●	●			
Sand-lime brick (hard)	●	●			
Concrete blocks	●	●			
Sandstone	○	○			
Hollow concrete blocks	●	●			
Green concrete	○	○			
Concrete bricks (soft)	●	●			



## CD10

PRO LINE ●●○

mm:  
 10,0

Lifetime ●●●●○  
Stock removal ●●●○○

Core drill for concrete and high-density limestone.

- Can be used with fitting accessories CDS
- Extremely long service life
- High cutting speed

## CD10

	∅ mm	U/min	Box	PC	Product category	GTIN/pc. EAN/pc.
	68 × 10.0 × 3.5 × M16	2500	1	303419	PK10	4011890071908
	82 × 10.0 × 3.5 × M16	2000	1	303420	PK10	4011890071915





## CD15

**PROLINE** ●●○

- ○ Lifetime
- ○ Stock removal



Special socket driller with back holes for controlled dust extraction in occupied rooms. Very good cooling of the segments and significant wear reduction due to immediate disposal of waste material. The diamond core drill runs more smoothly and does not jam thanks to less friction at the outer wall. Significantly reduced dust development.

- Universal application in old and new constructions
- Particularly suitable for indoor applications
- Matching extraction 304018



**CD15**

	Product category	GTIN/pc. EAN/pc.
68 x 10,0 x 3,5 x M16	304028	PK10 4011890111185
82 x 10,0 x 3,5 x M16	304016	PK10 4011890110430
115 x 0,8 x 22,23	304018	PK10 4011890110423



## CDS

**PROLINE** ●●○



**CDS**

	Product category	GTIN/pc. EAN/pc.
SDS adapter	303509	PK10 4011890072509
6-point adapter	303510	PK10 4011890072516
Centre drill	303511	PK10 4011890011041
Drilling support	303860	PK10 4011890095553



## CD30

PROLINE ●●○



Tile drill bit for use on angle grinders with an M14 thread.

- Cool cut through internal cooling wax
- Excellent service life
- High cutting speed

Lifetime ●●●●○  
Stock removal ●●●●○

				Product category	GTIN/pc. EAN/pc.
	6 × 35 × 15.0 × 3 × M14	11000	1	303842	PK10 4011890095256
	8 × 35 × 15.0 × 3 × M14	11000	1	303843	PK10 4011890095263
	10 × 35 × 15.0 × 3 × M14	11000	1	303844	PK10 4011890095270
	12 × 35 × 15.0 × 3 × M14	11000	1	303845	PK10 4011890095287
	14 × 35 × 15.0 × 3 × M14	11000	1	303846	PK10 4011890095294
	16 × 35 × 15.0 × 3 × M14	11000	1	303847	PK10 4011890095300
	25 × 45 × 15.0 × 3 × M14	11000	1	303848	PK10 4011890095317
	32 × 45 × 15.0 × 3 × M14	11000	1	303849	PK10 4011890095324
	38 × 45 × 15.0 × 3 × M14	11000	1	303850	PK10 4011890095331
	58 × 45 × 15.0 × 3 × M14	11000	1	303851	PK10 4011890095348
	65 × 45 × 15.0 × 3 × M14	11000	1	303852	PK10 4011890095355
	4-piece set {6. 8. 10. 12 mm}	11000	1	303854	PK10 4011890095379

## CD30



## CD40

PROLINE ●●○



Tile drill bit for use on drills with a 1/4" bit adapter.

- Cool cut through internal cooling wax
- Excellent service life
- High cutting speed

Lifetime ●●●●○  
Stock removal ●●●●○

				Product category	GTIN/pc. EAN/pc.
	6 × 6-point - 1/4" bit adapter	3000	1	303855	PK10 4011890095508
	8 × 6-point - 1/4" bit adapter	3000	1	303856	PK10 4011890095515
	10 × 6-point - 1/4" bit adapter	3000	1	303857	PK10 4011890095522
	12 × 6-point - 1/4" bit adapter	3000	1	303858	PK10 4011890095539
	14 × 6-point - 1/4" bit adapter	3000	1	303859	PK10 4011890095546
	4-piece set {6. 8. 10. drilling support}	3000	1	303861	PK10 4011890095560

## CD40

