



# Diamond tools and machines for the construction trade

English | from 2025

Premium grinding solutions since 1919  
[www.tyrolit.com](http://www.tyrolit.com)









# Diamond tools and machines Product catalogue





# The Tyrolit Group

Tyrolit is one of the world's leading manufacturers of grinding and dressing tools as well as a system provider for the construction industry.

Since 1919, our innovative tools have made an important contribution to the technological development in many industries. Tyrolit offers tailored grinding solutions for various applications, as well as a comprehensive assortment of standard tools for customers all over the world.

Headquartered in Schwaz (Austria), the family-owned business combines the strengths of being a part of the dynamic Swarovski Group with a century's worth of individual corporate and technological experience.



Tyrolit headquarters in Schwaz (Austria)

## Facts & Figures



**80,000+**  
products



**30+**  
production sites



**4,500+**  
employees worldwide



**140+**  
Sales companies

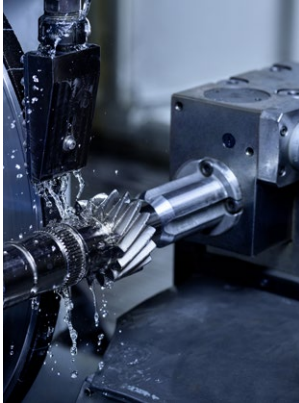


**500+**  
worldwide patents



# Business units

## METAL INDUSTRIES



### Automotive industry

Our leading grinding solutions are used for the production of automotive parts with highest precision.



### Steel & Foundry

With many years of experience in the machining of high alloyed steel we are the market-leader in the steel industry.



### Precision industries

The extensive field of precision industries includes tools and system solutions for various highly specialised applications.



### Industrial trade

Our comprehensive assortment for cutting, grinding and surface treatment for professional end users is available worldwide.

## CONSTRUCTION



### Construction professionals

We impress users with extensive know-how in the creation of perfectly optimised machines and tools and a fast repair service.



### Trade & Rental

Our wide range of professional system solutions for construction-related applications is available worldwide.



### Construction industry

The assortment of high efficiency diamond tools is tailored for the specific needs of customers in the construction industry.



### Project services

Our project services team develops individual system solutions for customer-specific special construction applications.



## Leading through true innovation

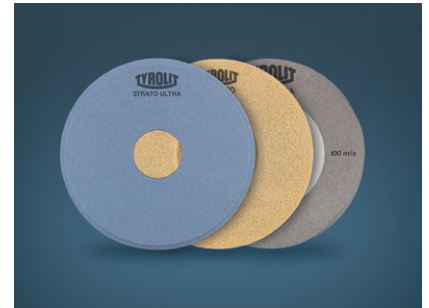
A passion for technology, many years of experience and a strong innovative spirit have been incorporated into the manufacture of outstanding grinding solutions.



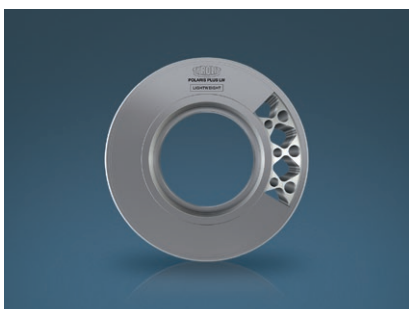
With **CERABOND X**, Tyrolit sets a milestone in the abrasives market. The combination of ceramic grain and the unique Tyrolit bond system enables consistent cutting ability of the discs, combined with unique durability.



**Tyrolit Power** revolutionised the finishing of hard surfaces. Sanding strips consisting of layers made from cactus hair and diamond provide extreme hardness, save time and significantly reduce vibrations for the user.



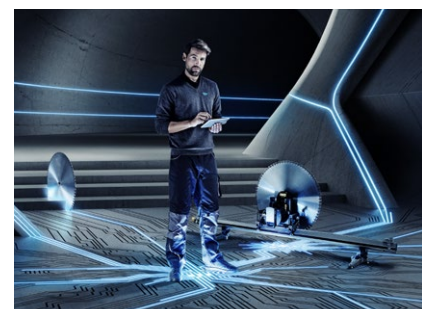
With the future-oriented new **P-technology**, our team of experts has developed a new, more sustainable method to create the artificial porosity in our vitrified grinding wheels. With the new P-Technology, the artificial pores are created without naphthalene and are therefore more environmentally friendly.



Our patented **lightweight core technologies** enable us to improve customers' precision grinding processes, saving them time and money. This is possible through computer-calculated targeted material reductions or the use of natural fibres.



With our modular assistance system **ToolScope** we set a milestone for the digitalisation of grinding technology. The system allows customers to utilise existing data and through increased process transparency optimise their whole production chain.



**MoveSmart** is a novel monitoring system for the construction industry, connecting Tyrolit machines to the Internet of Things and processing user data directly on site and in real-time. A smart move into the future.



# International production and sales locations

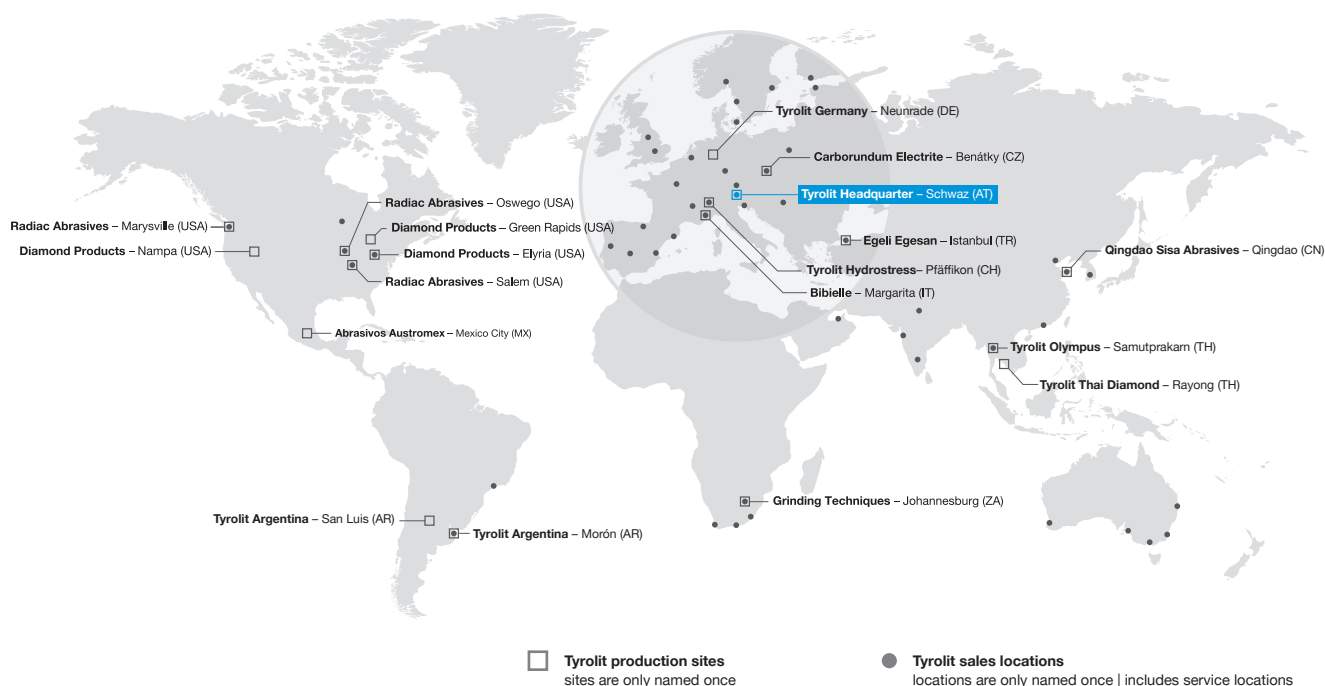
Tyrolit is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Rayong (Thailand)



The European logistics centre in Benátky (Czechia)





## Quality lines

To make your search for the ideal tool easier, we have divided our range into three performance levels. This enables us to offer the perfect solution for every application!

<div>★ ★ ★ <b>PREMIUM</b></div> <div>Maximum performance and highest lifetime for professional use.</div>	<div>★ ★ <b>STANDARD</b></div> <div>Exceptional working comfort and efficiency for experienced use.</div>	<div>★ <b>BASIC</b></div> <div>Quality tools for ideal working results in everyday use.</div>
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## Always on the safe side

When developing tools and machines, safety is of the highest priority, both for the operator and for people in the work area. The Tyrolit development department is continuously working on improvements to increase protection and working comfort.



The oSa (Organization for the Safety of Abrasive Tools) was founded in 2000 for precisely this purpose. As a founding member, Tyrolit is clearly committed to the values of this organization:

- + Worldwide protected label for the highest level of tested safety of cutting and grinding tools
- + Tested compliance with EN safety standards for abrasive products
- + Regular manufacturing controls and product monitoring
- + Regularly audited manufacturer with certified quality management and documented processes
- + Powerful premium products with traceability to the manufacturer

oSa members commit to certified quality management with documented processes, which means that customers can rely on the highest quality and safety.



# Specification













## DCU-FAST CUT

			FC = Fast Cut   S = Silent   LL = Long Life
			A+C = Asphalt / concrete   U = Universal construction materials   C = Concrete   H = Hard stone   A = Asphalt   M = Marble   T = Tiles / ceramics
			DC = Dry cutting   TS = Table sawing   DG = Dry grinding   HS = Hand sawing   RS = Ring sawing











## DD L HH

			S = Steel   C = Concrete   A = Asphalt F = Fast   HH = Hand held   RM = Rig mounted
			L = Low power   M = Medium power   H = High power   X = Extreme high power   E = Electrical installation
			FS = Floor sawing   CD = Core drilling   DD = Dry drilling

# Safety

 Wear gloves	 Wear protective clothing	 Do not use damaged wheels
 Wear eye protection	 Follow the instructions	 Not permitted for side grinding
 Wear ear protection	 Only permitted for wet grinding	 Not permitted for wet grinding
 Wear a mask	 For dry applications	 Off-hand and hand-guided grinding not permitted

# Machines

 Angel grinder	 Cut-off machine	 Floor saw
 Wet core drill	 Dry core drill	 Only for electric machines
 Cordless drill driver	 Wire saw	
 Wall saw	 Table saw	



## Convincing, technologies



**TGD®**  
TECHNOLOGY

Tyrolit diamond tools with TGD® technology feature intelligently distributed diamonds that enable even load distribution, optimised cooling and a constantly high cutting performance.

**Advantages:**

- + Long lifetime
- + High cutting ability
- + Enhanced efficiency

Further information from page 9



**TGD®+**  
TECHNOLOGY

TGD®+ technology is the further development of the TGD® technology and is characterised by an innovative sandwich bond system that enables different degrees of hardness and smooth transitions within the diamond segment.

**Advantages:**

- + Innovative sandwich bond system
- + Maximum efficiency
- + Targeted profile control

Further information from page 9



**OmniGrid**  
TECHNOLOGY

OmniGrid® offers operators maximum flexibility so that work can be completed without interruption, even in challenging power conditions on the construction site.

**Advantages:**

- + Flexibility in terms of power supply
- + No interrupted work
- + Single-phase operation possible



**P2®**  
TECHNOLOGY

P2® – PERMANENT POWER – is a high-frequency technology registered by Tyrolit, which combines the compact design of electrical systems with the reliability and performance of hydraulic systems in a single machine to optimum effect.

**Advantages:**

- + High reliability
- + Powerful performance
- + Compact design



**Modular**  
TECHNOLOGY

**Advantages:**

- + High cost efficiency
- + Efficient working
- + Easy operation



**MoveSmart**

**Advantages:**

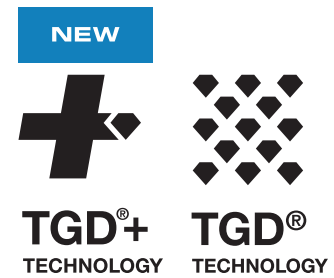
- + Overview of all machines
- + Increased productivity
- + Reduced service times



Products with these technologies are identified by these icons on the following pages.



## TYROLIT GRAIN DISTRIBUTION: TGD® and TGD®+



Tyrolit diamond tools with TGD® technology feature an intelligent distribution of the grain, known as TYROLIT GRAIN DISTRIBUTION, which enables particularly economic and efficient working in a range of applications.

The well-thought-out distribution of the diamonds supplies an even load distribution, optimised cooling system and consistently high cutting performance, which in turn increases the lifetime and reduces the load on the machines.

Building on the proven TGD® technology, the TGD®+ technology offers an increase in cutting performance of up to 25% and significantly revolutionises the machining of construction materials.

The TGD®+ technology is characterised by an innovative sandwich bond system that enables different degrees of hardness and smooth transitions within the diamond segment. In combination with different diamond grain qualities, this ensures improved smooth running and balanced load distribution. This targeted profile control minimises power losses and maximises efficiency, which enhances the segment's self-sharpening effect.

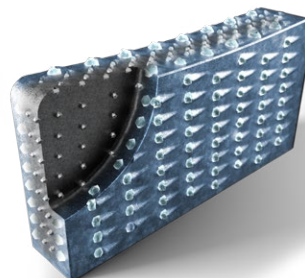
Applications such as core drilling and wall sawing benefit particularly from the advantages of TGD®+ technology. Time savings, reduced vibrations and improved cooling effect with the usual excellent lifetime characterise the TGD®+ technology and make it the first choice for professional operators.



Conventional segment



TGD® Segment



TGD®+ Segment









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Dry cutting saw blades  
Diamond cup wheels  
Resin-bonded cut-off wheels, grinding wheels and flap discs  
Hand saw blades  
Machines

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Information  
Table saw blades  
Machines

## **Floor sawing** ..... from page 90

Information  
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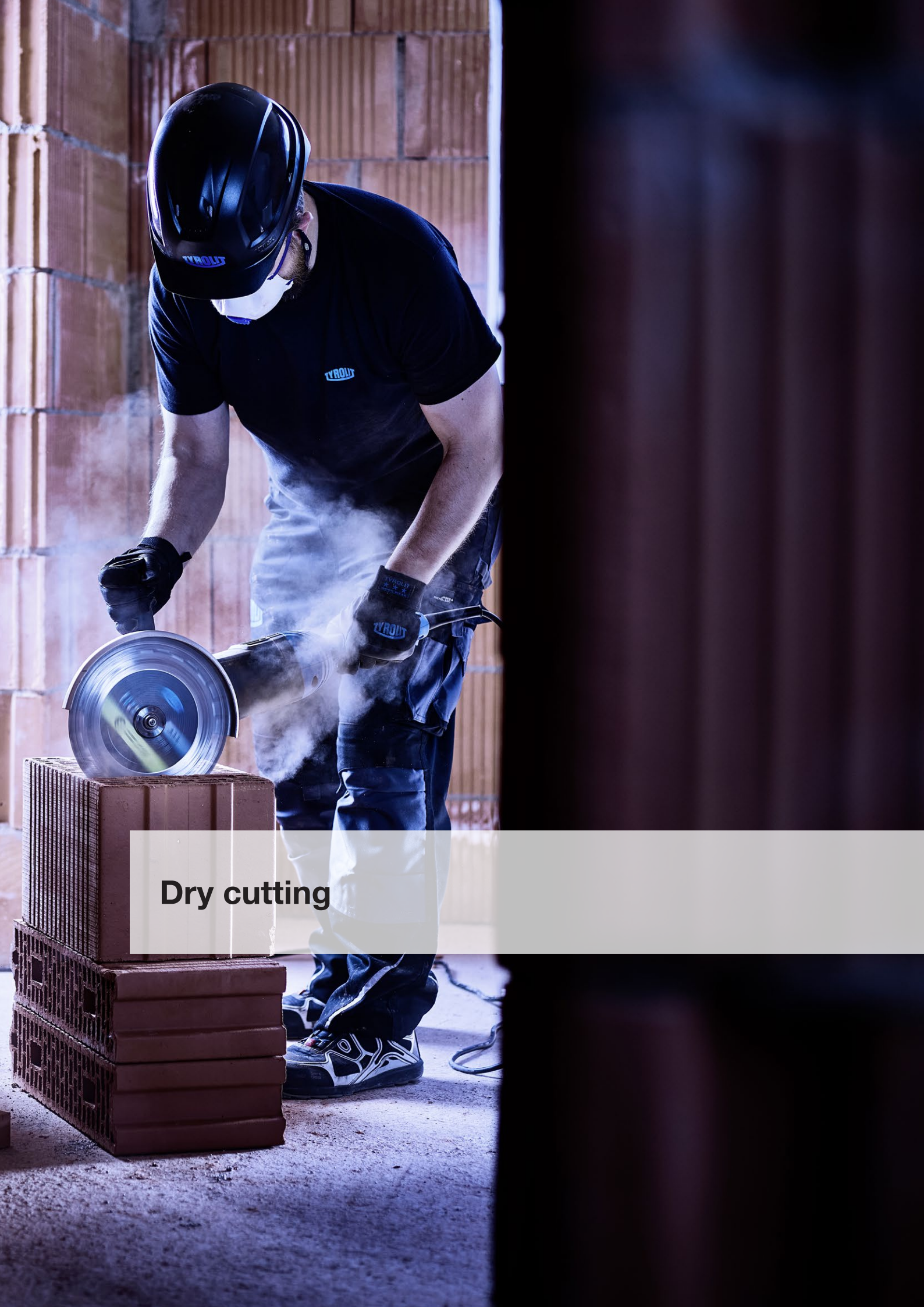
# Free hand

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Diamond cup wheels	36
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**Dry cutting**



## Application recommendation Dry cutting saw blades

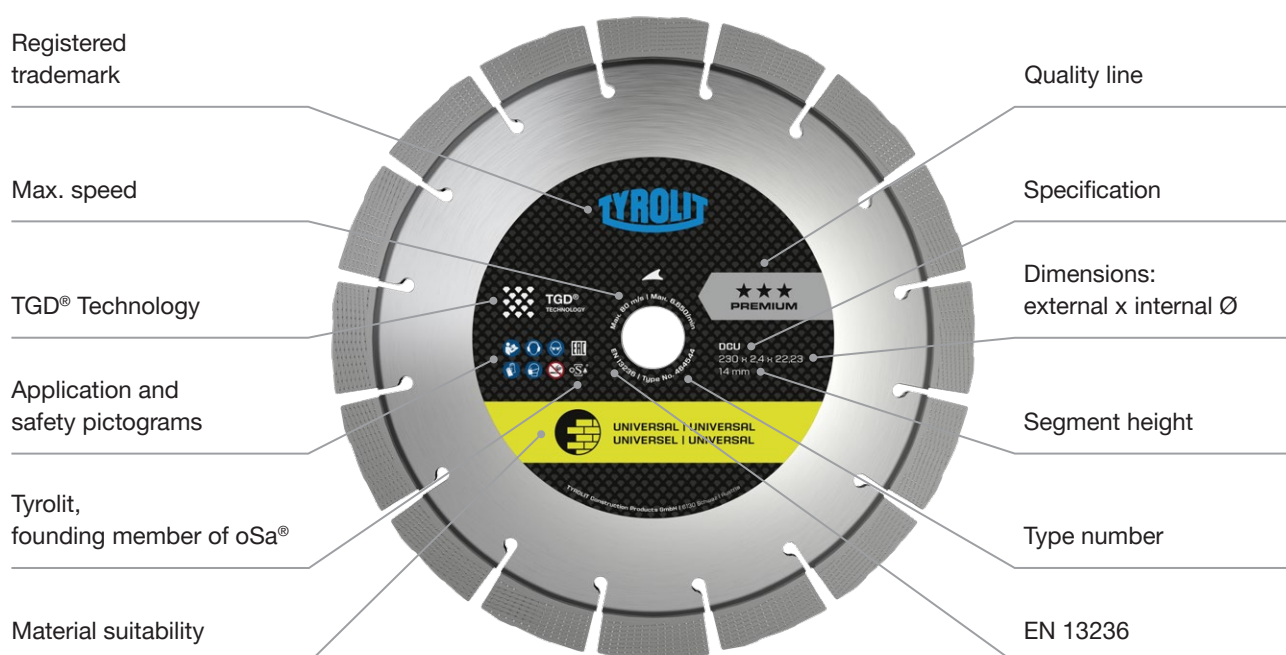
		DCU TGD®	DCU	DCU-FAST CUT	DCU-SILENT	DCE-SILENT	DCC	DCC-FAST CUT	DCC-LONG LIFE	DCA+C	DCAB	DCH TGD®	DCH	DCH-FAST CUT	DCM	DCT	DCP	DCCI Combi	DCCI	DC-ALL	DC-ALL FAST CUT	DC-CVB	DC-CEP
	Concrete	●	●	●	●	●	●	●	●											●			
	Reinforced concrete	●	●				●													●			
	Cellular concrete	●	●	●	●	●	●	●			●									●			
	Natural stone											●	●	●									
	Hard materials	●	●	●			●	●				●	●	●						●			
	Roof bricks			●																●			
	Bricks	●	●	●	●	●	●	●	●											●	●		
	Masonry	●	●	●	●	●	●	●	●											●			
	Concrete blocks	●	●	●	●	●	●	●	●			●	●	●						●			
	Refractory materials	●										●											
	Engineering bricks	●										●											
	Hardened limestone											●	●	●						●			
	Granite											●	●	●						●			
	Quartz											●	●	●						●			
	Paving slabs	●					●		●			●	●	●						●			
	Green concrete		●		●	●	●		●	●										●			
	Floor pavement		●		●	●	●		●	●										●			
	Plaster	●	●	●	●	●	●	●		●	●									●			
	Asphalt									●										●			
	Sandstone / pumice stone	●	●	●	●	●	●	●		●										●			
	Marble														●								
	Ceramic tiles															●	●			●	●		
	Fine stoneware															●	●			●	●		
	Porcelain														●	●	●						
	Cast iron																		●	●	●		
	Grey cast iron																		●		●		
	Spheroidal cast iron																		●		●		
	Steel / stainless steel																		●	●	●		
	PVC																	●		●	●	●	●
	Glass fibre reinforced plastics / carbon fibre reinforced plastics																		●	●	●	●	●
	Carbon fibre																		●	●	●	●	●
	Composites																		●	●	●	●	●
	Fibre glass																		●	●	●	●	●
	Bullet-proof glass																		●	●	●	●	●

● = optimal    ○ = good



## Specific information Diamond tools

### Dry cutting saw blade – Product label



### Colour codes

Universal building materials	Plastic	Concrete	Hard stone	Tiles, ceramic materials	Soft stone, marble	Asphalt	Abrasive materials	Cast iron	Steel	Composites



## DCU dry cutting saw blades

for universal construction materials | in TGD® Technology

### Application:

- + For machining concrete, reinforced concrete, cellular concrete, natural stone, clay bricks, masonry and hard materials
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### We recommend:

- + For all reinforcement levels

### Features:

- + Tyrolit TGD® technology enables optimum cooling and increases the productivity without effort thanks to intelligent diamond distribution
- + Excellent cutting performance thanks to the self-sharpening system of high-quality, concentrated diamond grits in an optimised bond
- + Maximum efficiency and unrivalled results thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C3W	34468871	230 × 2.4 × 22.23	14	
		34502649	230 × 2.4 × M14	14	
	C73W	34434257	300 × 2.6 × 20	14	
		34462046	300 × 2.6 × 22.23	14	
		34462047	300 × 2.6 × 25.4	14	
		34435145	350 × 3.2 × 20	14	
		34462048	350 × 3.2 × 22.23	14	
		34462049	350 × 3.2 × 25.4	14	
		34435148	400 × 3.2 × 20	14	
		34462050	400 × 3.2 × 25.4	14	

## DCU dry cutting saw blades

for universal construction materials

### Application:

- + For machining concrete, reinforced concrete, cellular concrete, natural stone, bricks, masonry and hard materials
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### We recommend:

- + For heavily reinforced concrete

### Features:


- + Excellent cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond
- + U-cuts ensure the best cooling effect and ideal chip transport
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C73W	34430790	115 × 2.4 × 22.23	10	
		34656408	115 × 2.4 × M14	10	
		34425401	125 × 2.4 × 22.23	10	
		34430832	150 × 2.6 × 22.23	12	
		34430833	180 × 2.6 × 22.23	12	
		34434386	230 × 2.6 × 22.23	12	
		34656410	230 × 2.6 × M14	12	







	Shape	Type number	Dimension	Segment height
	C73W	34428610	300 × 2.6 × 20	12
		34431007	300 × 2.6 × 22.23	12
		34431008	300 × 2.6 × 25.4	12
		34430834	350 × 3.2 × 20	12
		34430835	350 × 3.2 × 22.23	12
		34430836	350 × 3.2 × 25.4	12
		34428721	400 × 3.2 × 20	12
		34431009	400 × 3.2 × 25.4	12



## DCU-FAST CUT dry cutting saw blades for universal construction materials



### Application:


- + For machining concrete, cellular concrete, natural stone, roof tiles, clay bricks, masonry and hard materials
- + Suitable for all common angle grinders

### We recommend:

- + For fast and clean concrete cutting

### Features:

- + Excellent and fast cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond
- + Clean cutting edges thanks to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	C6R	474743	115 × 2 × 22.23	10
		474746	125 × 2 × 22.23	10
		474751	150 × 2.4 × 22.23	9
		474752	180 × 2.4 × 22.23	9
		474753	230 × 2.4 × 22.23	9





## DCU-SILENT dry cutting saw blades for universal construction materials



### Application:


- + For machining concrete, reinforced concrete, cellular concrete, natural stone, roof tiles, clay bricks, masonry and hard materials
- + Suitable for all common angle grinders

### We recommend:

- + For reinforced concrete

### Features:

- + Noise reduction of approx. 50% (10 dB) thanks to stable, high-quality and smooth running SILENT steel cores
- + Excellent cutting performance thanks to the self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + Maximum efficiency and unrivalled results thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	C3G	474771	230 × 2.6 × 22.23	9



## DCE-SILENT dry cutting saw blades for universal construction materials | in TGD® Technology



### Application:


- + For machining concrete, bricks, masonry and concrete blocks
- + Only suitable for electric cut-off machines

### We recommend:

- + For all reinforcement levels

### Features:

- + Noise reduction of approx. 50% (10 dB) thanks to stable, high-quality and smooth running SILENT steel cores
- + Tyrolit TGD® technology enables optimum cooling and increases the productivity without effort thanks to intelligent diamond distribution
- + Excellent cutting performance thanks to self-sharpening system of high-quality, concentrated diamond grits in an optimised bond
- + Maximum efficiency and unrivalled results thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	C73GW	34461143	350 × 3.2 × 20	14
		34517728	350 × 3.2 × 25.4	14
		34461144	400 × 3.2 × 20	14
		34517729	400 × 3.2 × 25.4	14





## DCU dry cutting saw blades for universal construction materials



### Application:





- + For machining concrete, reinforced concrete, cellular concrete, roof tiles, clay bricks, masonry and hard materials
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### We recommend:

- + For reinforced concrete

### Features:

- + Very good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Very good cooling effect and chip transport ensure a longer lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C73	34499934	115 × 2 × 22.23	7	
		34499935	125 × 2 × 22.23	7	
		34499936	150 × 2.6 × 22.23	9	
		34499937	180 × 2.6 × 22.23	9	
		34499938	230 × 2.6 × 22.23	9	
	C7W	34499792	300 × 2.6 × 20	10	
		34499793	300 × 2.6 × 22.23	10	
		34499794	300 × 2.6 × 25.4	10	
		34499795	350 × 3.2 × 20	10	
		34499796	350 × 3.2 × 25.4	10	
		34499797	400 × 3.2 × 20	10	



## DCU-FAST CUT dry cutting saw blades for universal construction materials



### Application:



- + For machining concrete, cellular concrete, roof tiles, clay bricks, masonry and hard materials
- + Suitable for all common angle grinders

### We recommend:

- + Particularly suitable in the sector of gardening and landscaping

### Features:

- + Very good and fast cutting performance thanks to self-sharpening system made of high-quality, concentrated diamond grit in an optimum bond
- + Clean cutting edges thanks to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C3R	34499939	115 × 2 × 22.23	7	
		34499940	125 × 2 × 22.23	7	
	C3R	34499991	150 × 2.4 × 22.23	9	
		34499992	180 × 2.4 × 22.23	9	
		34499993	230 × 2.4 × 22.23	9	





## DCU dry cutting saw blades

for universal construction materials





**Application:**





- + For machining concrete, reinforced concrete, clay bricks and masonry
- + Suitable for all common angle grinders up to Ø 230 mm and from Ø 300 mm for all common cut-off machines (also for wet cutting)
- + Reduction bush 20-16 mm is supplied with Ø 105 mm

**We recommend:**

- + For lightly reinforced concrete

**Features:**

- + Good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Good cooling effect and chip transport ensure a long lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C73	34502315	105 × 2 × 20/16	7	
		34501337	115 × 2 × 22.23	7	
		34501338	125 × 2 × 22.23	7	
		34501445	150 × 2.6 × 22.23	9	
		34501446	180 × 2.6 × 22.23	9	
		34501447	230 × 2.6 × 22.23	9	
	C7W	34501448	300 × 2.6 × 20	10	
		34501449	300 × 2.6 × 22.23	10	
		34501450	300 × 2.6 × 25.4	10	
		34501461	350 × 3.2 × 20	10	
		34501462	350 × 3.2 × 25.4	10	
		34501463	400 × 3.2 × 20	10	
		34502116	400 × 3.2 × 25.4	10	







## DCU-FAST CUT dry cutting saw blades for universal construction materials



### Application:


- + For machining concrete, roof tiles, clay bricks and masonry
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)
- + Reduction bush 20-16 mm is supplied with Ø 105 mm

### We recommend:

- + For fast and clean concrete cutting

### Features:

- + Good and fast cutting performance thanks to the self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + Clean cutting edges thanks to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C3R	34502314	105 × 2 × 20/16	7
		34501464	115 × 2 × 22.23	7
		34501465	125 × 2 × 22.23	7
	C3R	34501466	150 × 2.4 × 22.23	9
		34501467	180 × 2.4 × 22.23	9
		34501468	230 × 2.4 × 22.23	9
		467280	300 × 3 × 20	10
		467281	300 × 3 × 22.23	10
		467282	300 × 3 × 25.4	10
		467285	350 × 3 × 20	10
		467288	350 × 3 × 22.23	10
		467289	350 × 3 × 25.4	10



## Roofer's cutting wheel for all common roofing materials



### Application:


- + For machining concrete, cellular concrete, roof tiles, bricks, masonry and hard materials
- + Suitable for all common angle grinders

### We recommend:

- + For fast and clean cutting of roofing material

### Features:

- + Excellent cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond
- + Clean cutting edges due to the closed cutting edge
- + Maximum efficiency thanks to maximum cutting ability and the longest lifetime
- + Robust and high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C6R	103283	230 × 2.4 × 22.23	9




★★

STANDARD

## Roofer's cutting wheel

for all common roofing materials



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**Application:**

- + For machining concrete, cellular concrete, roof tiles, clay bricks and hard materials
- + Suitable for all common angle grinders


**We recommend:**

- + For fast and clean cutting of roofing material

**Features:**

- + Very good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Clean cutting edges due to the closed cutting edge
- + Robust and high-quality steel cores ensure stability and noticeably smooth running

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	Shape	Type number	Dimension	Segment height
	C3R	34485652	230 × 2.4 × 22.23	9

★★★

PREMIUM

## DCC dry cutting saw blades

for concrete



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**Application:**



- + For machining concrete, green concrete, screed, asphalt, masonry plaster and sandstone
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

**Features:**

- + Excellent cutting performance thanks to self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + U-cuts ensure the best cooling effect and ideal chip transport
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

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	Shape	Type number	Dimension	Segment height
	C73W	34468730	115 × 2.4 × 22.23	10
		34468731	125 × 2.4 × 22.23	10
		34468732	150 × 2.6 × 22.23	12
		34468733	180 × 2.6 × 22.23	12
		34468734	230 × 2.6 × 22.23	12
		34468735	300 × 2.6 × 20	12
		34468736	300 × 2.6 × 22.23	12
		34468737	300 × 2.6 × 25.4	12
		34468738	350 × 3.2 × 20	12
		34468739	350 × 3.2 × 22.23	12
		34468740	350 × 3.2 × 25.4	12
		34468751	400 × 3.2 × 20	12
		34468752	400 × 3.2 × 25.4	12





## DCC-FAST CUT wall chaser blade for concrete




### Application:

- + For machining concrete, green concrete, screed, masonry plaster and sandstone
- + Suitable for all common wall chasers and angle grinders

### Features:

- + Excellent and fast cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond
- + Clean cutting edges due to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running
- + Maximum cost-effectiveness thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	C3R	598008	125 × 2 × 22.23	7
		598010	140 × 2.4 × 22.23	9
		598011	150 × 2.4 × 22.23	9



## DCC dry cutting saw blades for concrete





### Application:

- + For machining concrete, screed, asphalt, masonry plaster and sandstone
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### Features:

- + Very good cutting performance thanks to self-sharpening system of high-quality diamond grains in an optimum bond
- + Very good cooling effect and chip transport ensure a longer lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C73	34500109	115 × 2 × 22.23	7
		34500110	125 × 2 × 22.23	7
		34500111	150 × 2.6 × 22.23	9
		34500112	180 × 2.6 × 22.23	9
		34500113	230 × 2.6 × 22.23	9
	C7W	34500114	300 × 2.6 × 20	10
		34500115	300 × 2.6 × 25.4	10
		34500116	350 × 3.2 × 20	10
		34500117	350 × 3.2 × 25.4	10
		34502313	400 × 3.2 × 20	10







## DCC-LONG LIFE dry cutting saw blades for concrete



### Application:


- + For machining concrete, green concrete, screed, asphalt, masonry plaster and sandstone
- + Suitable for all common cut-off machines

### We recommend:

- + For cutting abrasive materials

### Features:

- + Very good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Very good cooling effect and chip transport ensure even longer lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C3W	484994	300 × 2.6 × 20	10
		484996	300 × 2.6 × 22.23	10
		484999	300 × 2.6 × 25.4	10
		485001	350 × 3 × 20	10
		485003	350 × 3 × 22.23	10
		485004	400 × 3.2 × 20	10



## DCA+C dry cutting saw blades for asphalt and concrete





### Application:

- + For machining green concrete, screed, wall plaster, concrete and sandstone
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines and floor saws from Ø 300 mm (also for wet cutting)

### Features:

- + Excellent cutting performance thanks to self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + U-cuts ensure the best cooling effect and ideal chip transport
- + Robust, high-quality steel cores ensure stability and noticeably smooth running
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	C73W	34470453	115 × 2.4 × 22.23	10
		34470454	125 × 2.4 × 22.23	10
		34470455	150 × 2.6 × 22.23	12
		34470456	180 × 2.6 × 22.23	12
		34470457	230 × 2.6 × 22.23	12
	C73SW	34472010	300 × 2.6 × 20	10
		34472041	300 × 2.6 × 22.23	10
		34472044	300 × 2.6 × 25.4	10
		34472046	350 × 3.2 × 20	10
		34472061	350 × 3.2 × 22.23	10
		34472008	350 × 3.2 × 25.4	10
		34486088	400 × 3.2 × 20	10
		34474151	400 × 3.2 × 25.4	10

Protective segments  
against undercutting  
protect the steel core





## DCA+C dry cutting saw blades for asphalt and concrete




### Application:

- + For machining green concrete, screed, masonry plaster, concrete and sandstone
- + Suitable for all common cut-off machines and floor saws

### Features:

- + Very good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Very good cooling effect and chip transport ensure longer lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
 <p>Protective segments against undercutting protect the steel core</p>	C7SW	34502234	300 × 2.8 × 20	10
		34502235	300 × 2.8 × 25.4	10
		34502236	350 × 3.2 × 20	10
		34502237	350 × 3.2 × 25.4	10
		34502455	400 × 3.2 × 20	10
		34502238	400 × 3.2 × 25.4	10



## DCA+C dry cutting saw blades for asphalt and concrete




### Application:

- + For machining screed, wall plaster and concrete
- + Suitable for all common cut-off machines and floor saws
- + Protective segments against undercutting-effect

### Features:

- + Good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Good cooling effect and chip transport ensure a long lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C7SW	34500101	300 × 2.8 × 20	10
		34500102	300 × 2.8 × 25.4	10
		34500103	350 × 3.2 × 20	10
		34500104	350 × 3.2 × 25.4	10
		34502456	400 × 3.2 × 20	10
		34500105	400 × 3.2 × 25.4	10





## DCAB Tuck point blade for abrasive materials




### Application:

- + For machining abrasive concrete, cellular concrete, screed, masonry plaster and pumice stone
- + Suitable for all common angle grinders

### Features:

- + Excellent cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond

- + Best cooling effect and chip transport ensure the longest lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running
- + Maximum cost-effectiveness thanks to maximum cutting ability and longest lifetime

	Shape	Type number	Dimension	Segment height
	FRSU	563873	115 × 7.2 × 22.23	7
		535829	125 × 7.2 × 22.23	7



## DCH dry cutting saw blades for hard stone | in TGD® Technology




### Application:

- + For machining hardened limestone, concrete blocks, granite, gneiss, porphyry, paving slabs and quartzite
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### Features:

- + Tyrolit TGD® technology enables optimum cooling and increases the productivity without effort thanks to intelligent diamond distribution
- + Excellent cutting performance thanks to the self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + Maximum efficiency and unrivalled results thanks to maximum cutting ability and the longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C3W	34468872	230 × 2.4 × 22.23	14
		34577831	230 × 2.4 × M14	14
	C73W	34435150	300 × 2.6 × 20	14
		34462092	300 × 2.6 × 25.4	14
		34435151	350 × 3.2 × 20	14
		34462093	350 × 3.2 × 25.4	14
		34435152	400 × 3.2 × 20	14
		34462094	400 × 3.2 × 25.4	14





★★★  
PREMIUM

## DCH dry cutting saw blades for hard stone




### Application:

- + For machining hard limestone, concrete blocks, granite, gneiss, porphyry, paving slabs and quartzite
- + Suitable for all common angle grinders

### Features:

- + Excellent cutting performance thanks to the self-sharpening system of high-quality, concentrated diamond grits in an optimum bond
- + U-cuts ensure the best cooling effect and ideal chip transport
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	C73W	34475858	115 × 2.4 × 22.23	10
		34475856	125 × 2.4 × 22.23	10
		34501412	125 × 2.4 × M14	10

★★★  
PREMIUM

## DCH-FAST CUT dry cutting saw blades for hard stone




### Application:

- + For machining hard limestone, concrete blocks, granite, gneiss, porphyry, paving slabs and quartzite
- + Suitable for all common angle grinders

- + Clean cutting edges thanks to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime

### Features:

- + Excellent and fast cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grit in an optimum bond

	Shape	Type number	Dimension	Segment height
	C3	475790	115 × 1.2 × 22.23	7
		475793	125 × 1.2 × 22.23	7
	C3W	475797	180 × 1.9 × 22.23	9
		475800	230 × 1.9 × 22.23	9



**★**  
**BASIC**

## DCH dry cutting saw blades for hard stone







### Application:

- + For machining hardened limestone, granite, porphyry and paving slabs
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)


### Features:

- + Good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Good cooling effect and chip transport ensure a long lifetime and standing time
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	C73	34501469	115 × 2 × 22.23	7	
		34501470	125 × 2 × 22.23	7	
		34501471	180 × 2.6 × 22.23	9	
		34501472	230 × 2.6 × 22.23	9	
	C7W	34501473	300 × 2.6 × 20	10	
		34501474	350 × 3.2 × 20	10	
		34572809	350 × 3.2 × 25,4	10	

## Sharpening plate

### Accessories dry cutting saw blades

	Type number	Dimension
	497322	55 × 25 × 320
	484627	160 × 30 × 320
	484672	320 × 55 × 320



Scan the QR code and experience  
the re-sharpening of dry cutting  
saw blades in action.





## DCM dry cutting saw blades for marble




### Application:

- + For machining marble, glass fibre reinforced plastics, PVC, carbon fibre, composites, fibre glass and bullet-proof glass
- + Suitable for all common angle grinders

### Features:

- + Enables precise cutting edges thanks to fine diamond grits
- + Maximum lifetime thanks to ideal grit bond to the core blade
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	UC3	315968	115 × 2.5 × 22.23	2
		315967	125 × 2.5 × 22.23	2
		547611	150 × 3 × 22.23	2
		315966	180 × 3 × 22.23	2
		315965	230 × 3 × 22.23	2



## DCP dry cutting saw blades for fine stoneware and tiles



### Application:


- + For machining fine stoneware, ceramic tiles and porcelain
- + Suitable for all common angle grinders

### We recommend:

- + Suitable for very hard materials

### Features:

- + Excellent cutting performance thanks to self-sharpening system of high-quality, concentrated diamond grits in an optimised bond
- + Clean cutting edges and precise cuts thanks to the closed cutting edge
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	1A1R	34529134	115 × 1.4 × 22.23	10
		34529153	125 × 1.4 × 22.23	10





## DCT dry cutting saw blades for tiles and ceramics



### Application:


- + For machining fine stoneware, ceramic tiles and porcelain
- + Suitable for all common angle grinders

### We recommend:

- + Also suitable for thin fine stone materials

### Features:

- + Excellent cutting performance thanks to the self-sharpening system made from high-quality, concentrated diamond grits in an optimum bond
- + Clean cutting edges and precise cuts thanks to the closed cutting edge
- + Maximum efficiency thanks to maximum cutting ability and longest lifetime
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	1A1R	639558	105 × 1 × 20	10
		639559	115 × 1.2 × 22.23	10
		639560	125 × 1.2 × 22.23	10
		639634	180 × 1.4 × 22.23	10
		676791	200 × 1.6 × 22.23	10
		639635	230 × 1.6 × 22.23	10



## DCT dry cutting saw blades for tiles and ceramics




### Application:

- + For machining tiles and ceramics
- + Suitable for all common angle grinders
- + For applications with table saws, larger Ø can be found in the chapter table saw blades

### Features:


- + Good cutting performance thanks to self-sharpening system of high-quality diamond grits in an optimum bond
- + Clean cutting edges and precise cuts thanks to the closed cutting edge
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	1A1R	475975	100 × 1.6 × 22.23	7
		475978	115 × 1.6 × 22.23	7
		475980	125 × 1.6 × 22.23	7
		475983	180 × 2 × 22.23	9
		475986	230 × 2 × 22.23	9



Sharpening plate for tiles  
Accessories dry cutting saw blades



	Type number		Dimension
	SP6	662791	55 × 25 × 320
		34574956	320 × 55 × 320



Scan the QR code and  
experience the re-sharpening  
of tile saws in action.



DCCI Combi cutting and chamfering disc  
for plastic tubes



Application:


- + For machining PVC
- + Suitable for all common angle grinders

We recommend:

- + Also suitable for rubber, composites and carbon fibres

Features:

- + Large grain protrusion enables increased feed and excellent cutting performance
- + Easy handling and time-saving, as cutting and chamfering can be carried out simultaneously
- + Maximum lifetime thanks to ideal grain connection to the core blade
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	UC3	34228075	125 × 3 × 22.23	3





## DCCI Diamond cut-off wheel for grey and spheroidal cast iron




### Application:

- + For machining cast iron, grey cast iron and spheroidal cast iron
- + Suitable for all common angle grinders

### Features:

- + Large grain protrusion enables increased feed and excellent cutting performance
- + Maximum lifetime thanks to ideal grain connection to the core blade
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height
	UC3	34551885	115 × 2.8 × 22.23	3
		34551886	125 × 3 × 22.23	3
		34551884	230 × 3 × 22.23	3



## DC ALL for all materials



### Application:



- + For machining universal building materials, concrete, cast iron, hard stone, marble, nonferrous metals, abrasive materials, wood, plastic, composites, fibreglass and bullet-proof glass
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### Features:

- + Large grain protrusion enables increased feed and excellent cutting performance
- + Increased productivity as tool changes are no longer necessary
- + DC ALL FAST CUT are particularly easy cutting, comfortable and low-dust, as they are particularly thin
- + Ø 300, 350 & 400 mm have shot-peened bases of slots and guarantee even more safety - ideal for rescue and firefighting operations

### We recommend:

- + Cuts almost all materials in the sanitary sector, for interior work or for gardening and landscaping

	Shape	Type number	Dimension	Segment height	Specification
	UC3	34638813	115 × 1.3 × 22.23	3	DC ALL FAST CUT
		34503209	115 × 2.8 × 22.23	3	DC ALL
		34638814	125 × 1.3 × 22.23	3	DC ALL FAST CUT
		34502746	125 × 3.0 × 22.23	3	DC ALL
		34503208	230 × 3.0 × 22.23	3	DC ALL
	UC3	34589656	300 × 3.9 × 20	3	DC ALL RESCUE
		34589657	300 × 3.9 × 25.4	3	DC ALL RESCUE
		34589658	350 × 4.1 × 20	3	DC ALL RESCUE
		34589659	350 × 4.1 × 25.4	3	DC ALL RESCUE
		34589660	400 × 4.2 × 20	3	DC ALL RESCUE
		34589661	400 × 4.2 × 25.4	3	DC ALL RESCUE





## DC-CVB dry cutting saw blades for composites






### Application:

- + For machining composites and PVC
- + Suitable for all common angle grinders up to Ø 230 mm and for all common cut-off machines from Ø 300 mm (also for wet cutting)

### Features:

- + Large grain protrusion enables increased feed and excellent cutting performance
- + Long lifetime thanks to ideal grain connection to the core blade
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	UC3	34628450	115 x 2.8 x 22.23	2	
		34628461	125 x 2.8 x 22.23	2	
		34629080	150 x 2.8 x 22.23	2	
		34629081	180 x 3.1 x 22.23	2	
		34628462	230 x 3.4 x 22.23	2	
		34628463	350 x 4.1 x 20	2.5	
		34628464	350 x 4.1 x 25.4	2.5	



## DC-CEP dry cutting saw blades for composites




### Application:

- + For machining composites and PVC
- + Suitable for all common angle grinders

### Features:

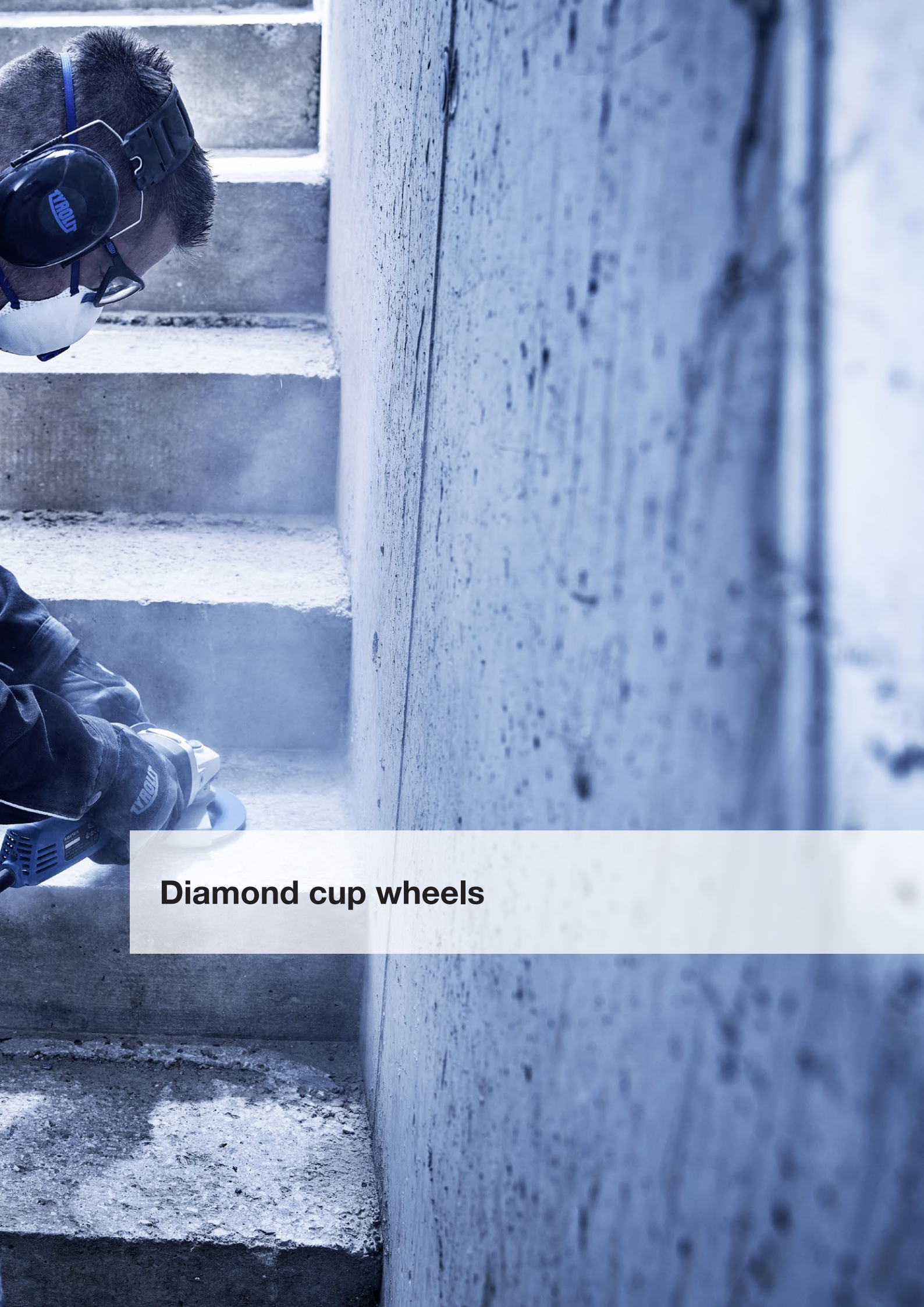
- + Enables precise cutting edges thanks to fine diamond grits
- + Maximum lifetime thanks to ideal grain connection to the core blade
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

	Shape	Type number	Dimension	Segment height	
	UC3	34629069	115 x 2.5 x 22.23	3	
		34629070	125 x 2.5 x 22.23	3	
		34629071	150 x 3 x 22.23	3	
		34629075	180 x 3 x 22.23	3	
		34629076	230 x 3 x 22.23	3	









**Diamond cup wheels**





## Diamond cup wheels for angle grinders

Tyrolit diamond cup wheels enable quick and accurate grinding of uneven concrete, stone and floor pavement surfaces. In addition to their universal range of applications, high stock removal rates and a long lifetime are main characteristics of Tyrolit diamond cup wheels.

### Service

- + Quick delivery
- + Available in all relevant diameters
- + Conventional dimensions on stock

### Remarks / recommendations

- + Observe safety and user instructions
- + On request safety instructions may also be sent separately





# DGU-Turbo Diamond cup wheels

for universal building materials | W-Segment

+ **Fine grinding surface pattern and clean shaping of corners and edges**  
due to turbo style arranged segments.

+ **Quick dust removal.**



+ **Impressive performance and lifetime.**

Machinable materials: Concrete, natural stone and general building materials. Details: Turbo style arranged

segments for a fine grinding surface pattern and shaping of corners and edges. Quick dust removal.

A 22.23–16 mm reduction bush is supplied with a wheel diameter of 100 mm.



## DGU-Turbo Diamond cup wheels

for universal building materials | W-Segment



Shape		Type number	Dimension	Segment height
		STS-T		
		598061	100 × 20 × 22.23	5
		34179930	125 × 23 × 22.23	5
		34179971	180 × 32 × 22.23	5



## DGU-Turbo Diamond cup wheels

for universal building materials



Machinable materials: Concrete, natural stone and general building materials. Details: Turbo style arranged segments for a fine grinding surface pattern and shaping of corners and edges.

Quick dust removal. A 22.23–16 mm reduction bush is supplied with a wheel diameter of 100 mm.

Shape		Type number	Dimension	Segment height
		STS-T		
		494342	100 × 18 × 22.23	5
		494365	125 × 20 × 22.23	5
		494391	180 × 32 × 22.23	5







### DGU Diamond cup wheels for universal building materials



Machinable materials: Concrete, natural stone and general building materials.

Details: With PU foam coating for quiet grinding and shaping of corners and edges.

	Shape	Type number	Dimension	Segment height
		STHD		
		356569	100 × 18 × 22.23	5
		350694	110 × 18 × 22.23	5
		367833	110 × 18 × M14	5
		348387	125 × 18 × 22.23	5
		828013	180 × 19 × 22.23	5





### DGU Diamond cup wheels for universal building materials | Single row



Machinable materials: Concrete, natural stone and general building materials.

Details: Single row segments for high stock removal. A 22.23–16 mm reduction bush is supplied.

	Shape	Type number	Dimension	Segment height	
		STS-S	494333	100×18×22.23	5





### DGU Diamond cup wheels for universal building materials | Double row



Machinable materials: Concrete, natural stone and general building materials. Details: Double row segments for medium stock removal and

long lifetime. A 22.23–16 mm reduction bush is supplied with wheel diameters of 100 and 110 mm.

	Shape	Type number	Dimension	Segment height	
		STS-D	494339	100 × 18 × 22.23	5
			494349	110 × 18 × 22.23	5
			494361	125 × 18 × 22.23	5
			494394	180 × 32 × 22.23	5





## DGU-FAST CUT Diamond cup wheels for universal building materials | L-Segment



Machinable materials: Concrete and general building materials.  
Details: Grinding disc with L-segment, with particularly large holes for better extraction, for universal use.

Fast Cut Version – very high stock removal rate.

	Shape	Type number	Dimension	Segment height
		STS-LS		
		34247161	100 × 20.5 × 22.23	5
		34247162	115 × 20.5 × 22.23	5
		34247164	125 × 20.5 × 22.23	5
		34247165	180 × 30 × 22.23	5



## DGU-PCD Diamond cup wheel for coatings and glue residues | with protection segments



Removal of glue residues, plastic and resin based coatings (e.g. epoxy resin, acrylic, ...), thermoplastic coatings, mastic, on cementitious surfaces.

Details: Polycrystalline diamond (PCD) is an extremely hard material. Cup wheels with PCD segments can be used to remove tenacious materials and coatings. Aggressive performance and long lifetime. Protection segments for even and smooth grinding results.

	Shape	Type number	Dimension	Segment height
		STS-S		
		34558007	125 × 22 × 22.23	4



## DGU-PCD Diamond cup wheel for coatings and glue residues



Removal of glue residues, plastic and resin based coatings (e.g. epoxy resin, acrylic, ...), thermoplastic coatings, mastic, on cementitious surfaces.

Details: Polycrystalline diamond (PCD) is an extremely hard material. Cup wheels with PCD segments can be used to remove tenacious materials and coatings. Aggressive performance and long lifetime.

	Shape	Type number	Dimension	Segment height
		STS-S		
		34558008	125 × 22 × 22.23	4









**Resin-bonded cut-off wheels,  
grinding wheels and flap discs**



**NEW**

## PREMIUM TWINFLAP D/C flap discs for porcelain stoneware and tiles

**Application:**



- + For the machining of porcelain stoneware, tiles, ceramics, granite, marble, natural stone, artificial stone, concrete and glass
- + Ideal for grinding, chamfering, leveling, mitring and smoothing edges and surfaces
- + Suitable for all common angle grinders

**We recommend:**

- + DGT-DC 60 for maximum stock removal
- + DGT-DC 120 for fine work
- + DGT-DC 200 for finishing

**Features:**

- + High cutting ability for fast and effective stock removal
- + Universally applicable thanks to the use of diamond grain and silicon carbide
- + High user-friendliness and intuitive handling
- + Lightweight, compact design for low-vibration and low-noise processes

Shape	Type number	Dimension	Specification
  28N	34673968	115 x 22.23	DGT-DC60
	34673969	115 x 22.23	DGT-DC120
	34673970	115 x 22.23	DGT-DC200
	34671508	125 x 22.23	DGT-DC60
	34673966	125 x 22.23	DGT-DC120
	34673967	125 x 22.23	DGT-DC200



## CERABOND X Cut-off wheels for steel and stainless steel

**Application:**



- + For machining different steel and stainless steel grades
- + For cutting very hard, challenging workpieces and solid materials

**We recommend:**

- + 1.0 to 1.9 mm for fastest cutting and minimum burr formation
- + 2.0 to 3.0 mm for long lifetime and maximum stability

**Features:**

- + Shortest cutting times due to the structure of the ceramic grain used
- + Extremely sharp cut-off wheel enables the user to work very comfortably and with little effort
- + Very long lifetime on hard and demanding materials

Shape	Type number	Dimension	Specification	PU
  41	34597624	115 x 1 x 22.23	CA60Q-BFP	15
	34597625	115 x 1.3 x 22.23	CA46Q-BFP	15
	34597626	115 x 1.6 x 22.23	CA46Q-BFP	15
	34597627	125 x 1 x 22.23	CA60Q-BFP	15
	34597628	125 x 1.3 x 22.23	CA46Q-BFP	15
	34597629	125 x 1.6 x 22.23	CA46Q-BFP	15





## 2-in-1 cut-off wheels for steel and stainless steel



### Application:


- + For machining different steel and stainless steel grades
- + For cutting metal sheets, profiles, pipes, rods and solid material

### We recommend:

- + 1.0 to 1.9 mm for fastest cutting and minimum burr formation
- + 2.0 to 3.5 mm for maximum lifetime and stability

### Features:

- + The chemical purity of the product prevents corrosion, pitting corrosion and reduction in fatigue strength for the best results even on stainless steel
- + Extremely short working times thanks to excellent cutting ability and a low thermal load on the workpiece (heat build-up)
- + High level of comfort thanks to easy-cutting specification

Shape	Type number	Dimension	Specification	PU
	34332791	115×1.0×22.23	A 60 Q- BFP	25
	34472855	115×1.2×22.23	A 46 Q- BFP	25
	34332793	115×1.6×22.23	A 46 Q- BFP	25
	872338	115×2.5×22.23	A30 Q- BFX A	25
	34332792	125×1.0×22.23	A 60 Q- BFP	25
	34472851	125×1.2×22.23	A 46 Q- BFP	25
	34332794	125×1.6×22.23	A 46 Q- BFP	25
	872339	125×2.5×22.23	30 Q- BFX A	25
	34332795	150×1.2×22.23	A 46 Q- BFP	25
	34332796	150×1.6×22.23	A 46 Q- BFP	25
	872340	150×2.5×22.23	A30 Q- BFX A	25
	34332797	178×1.6×22.23	A 46 Q- BFP	25
	872341	178×2.5×22.23	A30 Q- BFX A	25
	872342	178×3.0×22.23	A30 Q- BFX A	25
	34332798	230×1.9×22.23	A 46 Q- BFP	25
	34332799	230×2.0×22.23	A 30 Q- BFP	25
	872343	230×2.5×22.23	A30 Q- BFX A	25
	872344	230×3.0×22.23	A30 Q- BFX A	25





## 2-in-1 cut-off wheels for steel and stainless steel



### Application:


- + For machining different steel and stainless steel grades
- + For cutting metal sheets, profiles, pipes, rods and solid material

### We recommend:

- + 1.0 to 1.9 mm for fastest cutting and minimum burr formation
- + 2.0 to 3.0 mm for long lifetime and maximum stability

### Features:

- + The chemical purity makes it possible to work on steel and stainless steel
- + Convenient and low-burr cutting with good wheel life
- + Short working times thanks to good cutting ability

Shape	Type number	Dimension	Specification	PU	
	41	34332872	115 × 1.6 × 22.23	A 46 Q- BFB	25
		222997	115 × 2.5 × 22.23	A 30 Q- BF	25
		34332871	125 × 1.0 × 22.23	A 60 Q- BFB	25
		34332873	125 × 1.6 × 22.23	A 46 Q- BFB	25
		222998	125 × 2.5 × 22.23	A 30 Q- BF	25
		34354703	150 × 1.2 × 22.23	A 60 Q- BF	25
		34332874	150 × 1.6 × 22.23	A 46 Q- BFB	25
		34476855	150 × 2.0 × 22.23	A 30 Q- BF	25
		222999	150 × 2.5 × 22.23	A 30 Q- BF	25
		34332875	178 × 1.6 × 22.23	A 46 Q- BFB	25
		250165	178 × 2.5 × 22.23	A 30 - BF	25
		223000	178 × 3.0 × 22.23	A 30 Q- BF	25
		34332876	230 × 1.9 × 22.23	A 46 Q- BFB	25
		34332877	230 × 2.0 × 22.23	A 30 Q- BFB	25
		250169	230 × 2.5 × 22.23	A 30 Q- BF	25
		223002	230 × 3.0 × 22.23	A 30 Q- BF	25





## CUT AND GRIND for steel and stainless steel


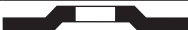


### Application:

- + For machining different steel and stainless steel grades

### Features:

- + Thanks to CUT AND GRIND, applications such as grinding, deburring and shaping as well as cutting and plunging are possible with only one tool
- + Thinner width of 2.0 mm with DEEP CUT PROTECTION offers additional safety for the operator and prevents bore breakout in the event of contact with sharp-edged workpieces

Shape	Type number	Dimension	Specification	PU
  27	34042756	115 × 2 × 22.23	A 46 Q- BFX A	25
	34042757	125 × 2 × 22.23	A 46 Q- BFX A	25
	743946	150 × 3 × 22.23	A30 Q- BFX A	25
	743947	178 × 3.5 × 22.23	A 30 Q- BFX A	25



## 2-in-1 rough grinding wheels for steel and stainless steel



### Application:


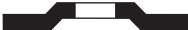
- + For demanding applications on different steel and stainless steel grades

### We recommend:

- + 4 mm thickness for peripheral grinding
- + 6 and 7 mm thickness for rough grinding
- + 8 mm thickness for rough grinding with enhanced lifetime

### Features:

- + Bond with coarse grain and a new layer composition enables quick and convenient use with minimal exertion
- + Comfort Start ensures a comfortable start when grinding and increases the level of working comfort
- + Maximum abrasiveness and lifetime

Shape	Type number	Dimension	Specification	PU
  27	5287	115 × 4 × 22.23	A 30 Q- BFX	10
	34046120	115 × 7 × 22.23	A 24 Q- BFX	10
	5308	125 × 4 × 22.23	A 30 Q- BFX	10
	34046131	125 × 7 × 22.23	A 24 Q- BFX	10
	734378	150 × 4 × 22.23	A 30 Q- BFX	10
	34046132	150 × 7 × 22.23	A 24 Q- BFX	10
	5349	178 × 4 × 22.23	A 30 Q- BFX	10
	34046133	178 × 7 × 22.23	A 24 Q- BFX	10
	34046135	178 × 8 × 22.23	A 24 Q- BFX	10
	5406	230 × 4 × 22.23	A 30 Q- BFX	10
	34046134	230 × 7 × 22.23	A 24 Q- BFX	10
	34046136	230 × 8 × 22.23	A 24 Q- BFX	10





## 2-in-1 flap discs for steel and stainless steel



### Application:


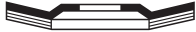
- + For demanding grinding applications on different steel and stainless steel grades
- + For welding seam finishing as well as edge and surface grinding

### We recommend:

- + Grit size 40/60 for high stock removal
- + Grit size 80/120 for fine work
- + Best results when used on powerful angle grinders

### Features:

- + Maximum stock removal rates
- + Very long lifetime
- + Chemical purity prevents corrosion, pitting corrosion and reduction in fatigue strength for the best results on stainless steel

Shape		Type number	Dimension	Specification	PU
 	27A	668642	115 × 22.23	ZA 40 Q- B	10
		668644	115 × 22.23	ZA 60 Q- B	10
		668649	115 × 22.23	ZA 80 Q- B	10
		643803	115 × 22.23	ZA 120 Q- B	10
		668663	125 × 22.23	ZA 40 Q- B	10
		668664	125 × 22.23	ZA 60 Q- B	10
		668665	125 × 22.23	ZA 80 Q- B	10
		643805	125 × 22.23	ZA 120 Q- B	10
		519212	150 × 22.23	ZA 40 Q- B	10
		519213	150 × 22.23	ZA 60 Q- B	10
		668670	178 × 22.23	ZA 40 Q- B	10





## 2-in-1 flap discs for steel and stainless steel



### Application:



- + For grinding applications on different steel and stainless steel grades

### Features:

- + Good lifetime
- + Easy to use

### We recommend:

- + Grit size 40/60 for high stock removal
- + Grit size 80/120 for fine work

Shape	Type number	Dimension	Specification	PU
  27A	34318364	115 × 22.23	ZA 40 Q- B	10
	34318365	115 × 22.23	ZA 60 Q- B	10
	34318366	115 × 22.23	ZA 80 Q- B	10
	34318368	115 × 22.23	ZA 120 Q- B	10
	34318369	125 × 22.23	ZA 40 Q- B	10
	34318370	125 × 22.23	ZA 60 Q- B	10
	34318391	125 × 22.23	ZA 80 Q- B	10
	34318392	125 × 22.23	ZA 120 Q- B	10
	34318393	150 × 22.23	ZA 40 Q- B	10
	34318394	150 × 22.23	ZA 60 Q- B	10
	34318395	150 × 22.23	ZA 80 Q- B	10
	34318396	150 × 22.23	ZA 120 Q- B	10
	34318398	178 × 22.23	ZA 40 Q- B	10
	34318400	178 × 22.23	ZA 60 Q- B	10
	34318533	178 × 22.23	ZA 80 Q- B	10
	34318534	178 × 22.23	ZA 120 Q- B	10



## Cut-off wheels for steel





### Application:

- + For machining different steel grades
- + For cutting workpieces with large diameters
- + Developed for use on manual cut-off machines with electric or petrol engines

### Features:

- + Optimised for maximum cutting ability and lifetime
- + Suitable for pure off-hand and guided off-hand applications

Shape	Type number	Dimension	Specification	PU
  41H	255451	300 × 3.5 × 20	A300-BFPSTEEL	10
	75020	300 × 3.5 × 20	A30P-BFPSTEEL	10
	141512	300 × 3.5 × 22.23	A30Q-BFPSTEEL	10
	363478	300 × 3.5 × 25.4	A30P-BFPSTEEL	10





## Rail cut-off wheels with universal bore for rail cutting





### Application:

- + For cutting rails
- + Developed for use on manual cut-off machines with electric motor or petrol engine

### Features:

- + Integrated reduction bush enables use on machines with 20 mm and 25.4 mm spindle
- + Hard specification for increased lifetime and improved cutting performance
- + Cleanest surfaces without any discolouration reduce rework and working times

Shape	Type number	Dimension	Specification	PU
  41H	34517333	300 × 3.5 × 20/25.4	A24T-BFPRAIL/100	10
	34517332	350 × 3.8 × 20/25.4	A24T-BFPRAIL/100	10
	34517334	400 × 4.3 × 20/25.4	A24T-BFPRAIL/100	10



## Cut-off wheels for steel





### Application:

- + For machining steel
- + For cutting profiles, solid material and large cross-sections
- + Developed for use on manual cut-off machines with electric or petrol engines

### Features:

- + The product offers shortened cutting times with minimal exertion
- + Good lifetime and stability
- + Also suitable for powerful (over 5 kW) stationary machines

Shape	Type number	Dimension	Specification	PU
  41H	223035	300 × 3.5 × 20	A30S-BFBSTEEL	10
	223037	300 × 3.5 × 22.23	A30S-BFBSTEEL	10
	223039	300 × 3.5 × 25.4	A30S-BFBSTEEL	10
	223040	300 × 3.5 × 32	A30S-BFBSTEEL	10
	223042	350 × 4 × 20	A30S-BFBSTEEL/100	10
	223043	350 × 4 × 22.23	A30S-BFBSTEEL/100	10
	222045	350 × 4 × 25.4	A30S-BFBSTEEL/100	10





## Resin cup wheel for stone



### Application:




- + For demanding applications on stone
- + For grinding imperfections on visible concrete surfaces, bevelling and pre-grinding artificial stone and patio flags as well as surface grinding on marble, slate and granite

### Features:

- + Maximum stock removal for grinding jobs on large areas
- + Robust and extremely durable
- + Silicon carbide for the best results on stone and short-chipping materials

### We recommend:

- + Grit size 16 – 24 for rough grinding
- + Grit size 60 – 220 for fine grinding
- + Use special protection for cup wheels
- + Note operating speed of max. 50 m/s

	Shape		Type number	Dimension	Specification	PU
		11BT	310980	110 / 90×55×22.23	1C 16 L4 B2	2
			318070	110 / 90×55×22.23	1C 24 L4 B2	2
			314463	110 / 90×55×22.23	1C 60 J4 B2	2
		11ZB	310992	110 / 90×55×M14	1C 16 L4 B2	2
			310993	110 / 90×55×M14	1C 24 L4 B2	2
			321211	110 / 90×55×M14	1C 60 J4 B2	2
			320074	110 / 90×55×M14	1C 120 J4 B0	2
			326214	110 / 90×55×M14	1C 220 J4 B0	2
			310994	130 / 90×55×M14	1C 16 L4 B2	2
			310995	130 / 90×55×M14	1C 24 L4 B2	2
320075			130 / 90×55×M14	1C 60 J4 B2	2	
424846			130 / 90×55×M14	1C 120 J4 B0	2	



## Cut-off wheels for stone





### Application:

- + For machining stone
- + For cutting solid material and large cross-sections
- + Developed for use on manual cut-off machines with electric or petrol engines

### Features:

- + Good cutting ability reduces the operator's work
- + Suitable for pure off-hand and guided off-hand applications
- + Good lifetime and stability

Shape		Type number	Dimension	Specification	PU	
		41H	223129	300×3.5×20	C30S-BFBSTONE	10
			223132	300×3.5×25.4	C30S-BFBSTONE	10
			223134	350×4×20	C30S-BFBSTONE/100	10
			223136	350×4×25.4	C30S-BFBSTONE/100	10









**Hand sawing**





## Hand saw blades

The leadership of Tyrolit is based on years of experience in the fields of production and application of hand saw blades. This allows us to provide innovative solutions for large scale projects and at the same time, our tools achieve efficient results in everyday use at construction sites.

Hand saw blades are especially suitable for openings and breaking through walls or ceilings with minor

depths. The outstanding cutting performance remains constant over the whole blade lifetime.

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Low Power /  
for hard, non-abrasive materials



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High Power /  
for hard, abrasive materials






★★★  
PREMIUM

**HSX-FAST CUT Hand saw blade**  
for concrete | in TGD®-Technology



Machinable materials: Usage on reinforced to heavily reinforced concrete with wall thicknesses of up to 150 mm.

Details: Application in system with fuel operated, electric or hydraulic cut-off machines.

	Shape	Type number	Dimension	Segment height	Details
	C77W	34335544	416 × 4.2 × 25.4	10	wide design
		34655263	416 × 4.2 × 25.4	10	with flush bore
		34396074	416 × 2.8 × 25.4	10	
		34671484	416 × 2.8 × 25.4	10	with flush bore

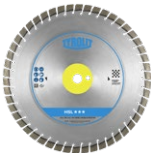
★★★  
PREMIUM

**HSL Hand saw blade**  
for concrete | in TGD®-Technology



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 150 mm.

Details: Application in system with fuel operated, electric or hydraulic cut-off machines.

	Shape	Type number	Dimension	Segment height
	C77W	54902	405 × 2.8 × 25.4	10
		732290	416 × 2.8 × 25.4	10

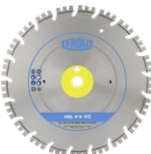
★★  
STANDARD

**HSL-FAST CUT Hand saw blade**  
for concrete



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 150 mm.

Details: Application in system with fuel operated, electric or hydraulic cut-off machines.

	Shape	Type number	Dimension	Segment height
	C7W	34291707	350 × 4.2 × 25.4	10

● = low

● = medium



## Angle grinder AGE125

Blade diameter of 125 mm



Universal angle grinder  
Ø 125 mm for processing  
construction materials and  
metal



Extremely durable and  
efficient motor for high  
performance



Electronics with soft  
start, restart and  
overload protection

The compact AGE125 angle grinder is useful for a wide range of applications and is a must-have for any craftsman, with its durable motor, high level of efficiency, and electronics with features such as a soft start, restart and overload protection. The anti-kickback feature

turns off the motor on the disc being blocked, ensuring safe operation. Effective cooling and extensive dust seal increase the lifetime of the angle grinder. In addition, the blade guard is tool-free adjustable and the slide switch is lockable.



# System & Accessories

## Technical data

Max. Ø of saw blade	125 mm
Blade arbour	M14

## Drive

Drive / motor	Electric
Voltage / frequency	220-240 V/50-60 Hz
Motor power	900 W
No load speed	11,500/min

## Dimensions & weight

Length	300 mm
Width	75 mm
Height	105 mm
Weight (without blade)	2 kg
Cable length	4 m

## System & Accessories

### Angle grinder AGE125

11002625	Angle grinder AGE125/230 V
11006305	Cover plate for guard (cut-off grinding) Ø 125 mm

### Tool recommendation

34425401	PREMIUM DCU Dry cutting saw blade
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## Angle grinder AGE230

Blade diameter of 230 mm



Universal angle grinder  
Ø 230 mm for processing  
construction materials and  
metal



Robust, streamlined motor  
and transmission housing  
with vibration damping for  
easy handling



Soft vibration handle for  
reduced vibrations, can be  
mounted in three positions

The AGE230 is a handy, streamlined Ø 230 mm angle grinder with vibration damping and longer handle, incl. a soft inlay for secure grip, a soft start feature and a blade guard that can be adjusted without tools. The robust steel transmission and

a protected metal spindle bearing ensure reliability in use and a longer lifetime. As you would expect, this model has restart protection in case of power failure, a lock-on/off switch and a spindle lock.



# System & Accessories

## Technical data

Max. Ø of saw blade	230 mm
Blade arbour	M14

## Drive

Drive / motor	Electric
Voltage / frequency	220-240 V/50-60 Hz
Motor power	2,100 W
No load speed	6,500/min

## Dimensions & weight

Length	490 mm
Width	104 mm
Height	90 mm
Weight (without blade)	5.4 kg
Cable length	4 m

## System & Accessories

### Angle grinder AGE230

11002626	Angle grinder AGE230/230 V
11006306	Cover plate for guard (cut-off grinding) Ø 230 mm

### Tool recommendation

34468871	PREMIUM DCU TGD® Dry cutting saw blade
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## Wall chaser HCE150

Max. slot depth 45 mm



Supplied 3-blade spacer set for faster breakout through centre slot



Closed folding hood ensures optimum dust extraction



Ergonomic planer handle for convenient handling and precise cut guidance

The HCE150 wall chaser is the ideal machine for cutting grooves and ducts in concrete, sand-lime brick or masonry. The slot width can be adjusted in 1 mm steps in the range 7-46 mm and the depth of cut can be continuously adjusted up to 45 mm. The supplied 3-blade spacer set permits faster breakout through

a centre slot. An optional 4-blade arbour is available as an accessory. The ergonomic planer handle ensures convenient handling and precise cut guidance. Cleaner working with minimum dust is guaranteed by a closed folding hood and an integrated vacuum cleaner connection.



# System & accessories

## Technical data

<b>Wall chaser</b>	<b>HCE150</b>
Nominal voltage/frequency	230 V / 50 Hz
Item no.	11003047
Blade diameter	150 mm
Max. slot depth	45 mm
Max. slot width	46 mm
Motor power	2.3 kW
Load speed	4300 rpm
No load speed	7500 rpm
Motor cooling	Air
Tool attachment Ø	22.2 mm
Operation	Hand-operated
Application	Dry

## Design

Soft start	•
Thermal and overload cut-out	•
Depth adjustment without tools	•
Spacer set for 2 or 3 diamond blades	•
Vacuum cleaner connection	•

## Dimensions & weight

Length	361 mm
Width	220 mm
Height	250 mm
Weight	6.1 kg

## Accessories

11003044	Spacer set for 4 blades
11003045	Universal vacuum cleaner adapter

## Tool recommendation

598011	PREMIUM DCC-FAST CUT wall chaser blade
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# Handheld concrete grinder HGE125

Grinding width 125 mm



Fold-up protection cover for grinding right up to the edge



Speed control for optimum grinding speeds in every application



Parallel handle position for precise and balanced guidance

The HGE125 handheld concrete grinder is ideal for preparing surfaces, smoothing unevenness and removing coatings. The integrated speed control permits grinding of a wide range of construction materials and ensures optimum grinding speeds for every application. The fold-up front part of the protection cover allows

grinding right up to the edge of the working surface. The ergonomic position of the handles leads to a better grinding result. Cleaner working with minimum dust is guaranteed by a brush rim and an integrated vacuum cleaner connection.



# System & accessories

Technical data

Handheld concrete grinder	HGE125
Nominal voltage/frequency	230 V / 50 Hz
Item no.	11003046
Working width	125 mm
Motor power	1.5 kW
Speeds	6000-10000 rpm
Motor cooling	Air
Tool attachment Ø	22.2 mm
Operation	Hand-operated
Application	Dry

Design

Soft start	•
Speed control	•
Thermal and overload cut-out	•
Fold-up protection cover	•
Vacuum cleaner connection	•

Dimensions & weight

Length	180 mm
Width	276 mm
Height	250 mm
Weight	4.5 kg

Accessories

11003045	Universal vacuum cleaner adapter
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Tool recommendation

34179930	PREMIUM DGU-Turbo Diamond cup wheel
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## Hand saw HBE400

Cutting depth up to 150 mm



405 mm saw blade with cutting depth up to 150 mm and flush cutting function with optional accessories



3.2 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

The HBE400 is a 3.2 kW hand-held saw for cutting depths up to 150 mm. In combination with our accessories kit, this hand-held saw is excellently suited to flush cutting.

This model can be used for both wet and dry applications and its integrated dust extraction connection enables clean working. The compact design, low weight and detachable

guide rollers guarantee ease of handling and machine guidance for the user. The 230 V electric drive enables flexible working indoors and outdoors.



# System & Accessories

## Technical data

<b>Saw blade</b>	
Max. cutting depth	150 mm
Max. saw blade Ø	405 mm
Saw blade uptake	25.4 mm
<b>Drive</b>	
Drive / motor	Electric
Voltage / frequency	230 V / 50–60 Hz
Power	3.2 kW
<b>Dimensions &amp; Weight</b>	
Length	735 mm
Width	259 mm
Height	365 mm
Weight (without blade)	9.1 kg

## System & Accessories

<b>Hand saw HBE400</b>	
10991700	Hand saw HBE400 / 230 V
11001800	Hand saw HBE400 / 110 V
<b>Accessories</b>	
10998741	Flush cutting flange (Hole pattern 7M243)
11000583	Flush cutting blade guard
<b>Tool recommendation</b>	
34462050	PREMIUM DCU TGD® Dry cutting saw blade





## Ring saw HRE410

Depth of cut up to 300 mm



Ideal cutting performance due to a 6.5 kW P2® motor in conjunction with Tyrolit ring saw blades



Intelligent ergonomics – handle can be rotated 90° for horizontal cuts



Modular use with WSE1621 wall saw system or electric control unit PPE6

The HRE410 is an electric hand saw for wall and floor cuts to a depth of 300 mm. The ring saw is an ideal supplement to the WSE1621 wall saw system, enabling work without overcuts and therefore provides

a better alternative to corner drilling or diamond chain saws. The combination of a powerful 6.5 kW P2® motor and Tyrolit ring saw blades ensures exceptional cutting performance – for fast, precise

work. The intelligent ergonomics are another feature of this machine; the rear and front handle can be adjusted to enable an ideal position for cutting with less fatigue.



# System & Accessories



## Technical data

Saw blade	
Max. depth of cut	300 mm
Max. ring saw blade Ø	410 mm

## Drive

High-frequency motor	
Power	6.5 kW
Speed	1938 rpm
Cooling	Water

## Design

Modular use with WSE1621	
P2® high-frequency technology	
Adjustable, ergonomic handles	
Front handle for left- and right-handed users	
Rear handle can be rotated 90°	
Water intake can be controlled directly on handle	
IP 55 protection class	
Overload and excess temperature display	

## Dimensions & weight

Length	505 mm
Width	320 mm
Height	520 mm
Weight	14.5 kg

## System & Accessories

Ring saw HRE410/Electric control WSE1621	
10999300	Ring saw HRE410
11002700	Electric control WSE1621 400V
11002643	Transport case HRE410

Ring saw HRE410/Electric control PPE6	
10999300	Ring saw HRE410
11000500	Electric control PPE6 400V 10A IP65 12.5kg
11002643	Transport case HRE410
10998110	Water hose kit 8 m
34438701	Ring saw blade RSL-FC (C1W 406x3.9x320)
34506869	Ring saw blade RSL (C1W 406x4.2x320)
11002010	Drive wheel









# Table sawing

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## Diamond saw blades for table saws







Tyrolit table saw blades impress with an excellent cutting performance and a long lifetime. They are optimised for the relevant material or application.

Tyrolit table saw blades are developed to work perfectly with Tyrolit Hydrostress machines and therefore

meet all cutting work challenges and deliver the best results.



## Application recommendation

								
Performance Level	Specification	Universal	Hard stone	Engineering bricks	Abrasive materials	Soft stone	Tiles/Fine stoneware	Pages
★★★ PREMIUM	TSU	•						72
	TSU-SILENT	•						73
	TSH		•					73
	TSH-SILENT		•					73
	F40				•			74
	TSS10			•				74
	TSM					•		74
	DCP						•	75
	DCT						•	75

### Service

- + Quick delivery
- + Available in all relevant diameters
- + All relevant dimensions on stock
- + Designed to perfectly harmonise with Tyrolit Hydrostress machines
- + Reduction bushes for various machine types

### Remarks / Recommendations

- + Please observe the safety and user instructions
- + On request safety instructions may also be sent separately
- + Maximum working speed 63 m/s
- + Tools only to be used for wet-cutting (exceptions are explicitly stated)





## TSU Table saw blade

for universal building materials

### + Universal use

for various building materials, such as clay brick, concrete, sand-lime brick, etc.

### + Maximum performance and lifetime.



### + Broad product range.

Materials able to be machined:  
Cellular concrete, sand-lime brick,  
pumice stone, clay brick, etc.

Details: 35–30 mm and 30–25.4 mm  
reduction bushes are included with  
disc diameters up to 550 mm. A

60–55 mm reduction bush is supplied  
with disc diameters of 625 mm and  
upwards.





## TSU Table saw blade for universal building materials



	Shape	Type number	Dimension	Segment height
	C2W	34180849	250 × 2.2 × 35	10
		34180294	300 × 2.4 × 35	10
		34180293	350 × 2.8 × 35	10
		34180291	400 × 3.2 × 35	10
		34180270	450 × 3.2 × 35	10
		34218744	500 × 3.6 × 35	10
		34180268	550 × 3.6 × 35	10
	C1W	34180264	600 × 3.6 × 25.4	10
		34180265	600 × 3.6 × 60	10
		34180263	625 × 3.6 × 60/55	10
		34171018	650 × 3.9 × 60/55	10
		34243555	650 × 3.9 × 60/25.4	10



	Shape	Type number	Dimension	Segment height
		34171019	700 × 3.9 × 60/55	10
		34339679	750 × 3.9 × 60/55	10
		34171020	900 × 4.8 × 60/55	10
		34171031	1000 × 4.8 × 60/55	10






### TSU-SILENT Table saw blade for universal building materials



Materials able to be machined: Cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Reduces noise by up to 10 dB.

Details: 35–30 mm and 30–25.4 mm reduction bushes are included with disc diameters up to 550 mm. A 60–55 mm reduction bush is supplied with disc diameters of 625 mm and upwards.

	Shape	Type number	Dimension	Segment height
		C2GW 34180292	350 × 2.8 × 35	10
		34485805	400 × 3.2 × 35	10
		C1GW 34181275	625 × 3.6 × 60	10
		34180295	700 × 3.9 × 60/55	10
		34305288	900 × 4.8 × 60/55	10
		34703550	1000 × 4.8 × 60/55	10





### TSH Table saw blade for hardstone



Materials able to be machined: Granite, gneiss, hard sand-lime brick, hard clay brick.

Details: 35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		C2 34277672	250 × 2.2 × 35	10
		34221327	300 × 2.8 × 35	14
		34221325	350 × 2.8 × 35	14
		34495775	400 × 3.2 × 35	14





### TSH-SILENT Table saw blade for hardstone



Materials able to be machined: Granite, gneiss, hard sand-lime brick, hard clay brick. Reduces noise by up to 10 dB.

Details: 35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		C2G 34221324	300 × 2.8 × 35	14
		34097755	350 × 2.8 × 35	14







### F40 Table saw blade for abrasive materials



Materials able to be machined: Type F40 is designed primarily for refractory cutting.

	Shape	Type number	Dimension	Segment height
		C2W		
		817603	350 × 2.8 × 25.4	7
		817607	400 × 3.2 × 25.4	7
		547136	500 × 3.6 × 25.4	7





### TSS10 Table saw blade for engineering bricks



Materials able to be machined: Type TSS10 has been specially designed for the machining of engineering bricks (e.g. Stradalit).

Details: 35–30 mm and 30–25.4 mm reduction bushes are supplied.



	Shape	Type number	Dimension	Segment height
		C1		
		894258	350 × 2.8 × 35	9



### TSM Table saw blade for marble



Materials able to be machined: Soft stone, such as marble and sand-lime brick. Details: 35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		C2		
		5679	250 × 2.2 × 35	7
		5684	300 × 2.4 × 35	7
		5685	350 × 2.8 × 35	7







### DCP Table saw blade for tiles and fine stoneware



Materials able to be machined: especially for hard materials and fine stoneware, ceramic tiles, porcelain stoneware and kitchen counter tops.

35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		1A1R		
		34553442	250 × 1.8 × 35	10
		34553443	350 × 2.5 × 35	10





### DCT Table saw blade for tiles and ceramic materials




Materials able to be machined: Ceramic tiles, porcelain, terrazzo slabs.

Details: ultra-thin saw blades with excellent properties.  
35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		639566	180 × 1.4 × 35	10
		701934	200 × 1.6 × 35	10
		639568	230 × 1.6 × 35	10
		639569	250 × 1.6 × 35	10
		639570	300 × 2 × 35	10
		639571	350 × 2 × 35	10

### Accessories dry cutting saw blades Sharpening plate for tiles



	Type number	Dimension
	SP6	
	662791	55 × 25 × 320
	34574956	320 × 55 × 320



Scan the QR code and  
experience the re-sharpening  
of tile saws in action.



## Tile saw TTE250

Cutting depth up to 60 mm



Innovative telescopic system makes long cuts possible



Additional deployment options due to cap cutting function with adjustable cutting depth



Precise angle and mitre cutting using included stops

The TTE250 is a portable professional tile saw that combines large cutting length with small overall dimensions. Numerous settings and application options ensure maximum flexibility. The saw is easy to clean thanks to the detachable water tray made from high-quality and robust plastic.

Compact design, lightweight construction and an optional foldable table make it easy to transport and position on a job site. The fine-tuning between machine and diamond tool as an integrated system guarantees optimal cutting performance.



# System & Accessories

## Technical data

Tile saw TTE250	
Type no.	10983906
<b>Saw blade</b>	
Max. cutting depth	60 mm
Max. saw blade Ø	250 mm
Cutting length	730 mm
Saw blade speed	3420 rpm
Saw blade holder Ø	25.4 mm

## Drive

Drive / motor	Electric
Motor power	1.1 kW
Voltage / frequency	230 V / 50 Hz
Motor cooling	Air
Saw blade drive	Direct
Application	Wet

## Design

Infinitely adjustable cutting depths	•
Angle cutting function (angle stop)	•
Mitre cutting function (mitre stop)	•
Cap cutting function	•
Included table extension	•

## Dimensions & Weight

Length	900 mm
Width	600 mm
Height	500 mm
Weight	26 kg

## System & Accessories

Accessories	
11002433	Foldable saw table
10980453	Angle stop
10988374	Mitre stop (jolly table) for 600 mm tiles

## Tool recommendation

639569	PREMIUM DCT Table saw blade
34553442	PREMIUM DCP Table saw blade





## Tile saw TRE250

Cutting depth up to 60 mm



Cutting length up to 1 m for cutting large tiles



Clean cuts thanks to precise saw head guide and robust design



Safe and easy transport thanks to folding feet and transport wheels

The TRE250 tile saw enables the cutting of various tile sizes and types to a cutting length of 1 m. A range of adjustment and application options ensure maximum flexibility.

The robust design and precise saw head guide guarantee a clean cut. Transport wheels and folding table feet facilitate transport and position at the location of use.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	60 mm
Max. saw blade Ø	250 mm
Cutting length	940 mm (1 050 mm)*
Saw blade speed	2 800 rpm
Saw blade holder Ø	25.4 mm
* Plunge cut	

## Drive

Drive / motor	Electric
Output	1.3 kW
Standard voltage / frequency	230 V / 50 Hz
Optional voltage / frequency	110 V / 60 Hz
Engine cooling	Air cooling
Saw blade drive	Direct

## Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function
Cap cutting function
Electric water pump
Folding legs

## Dimensions & Weight

Length	1 375 mm
Width	740 mm
Height	1 275 mm
Weight	79 kg

## System & Accessories

Tile saw TRE250	
10989500	Tile saw TRE250 / 230 V
10989100	Tile saw TRE250 / 110 V
Accessories	
10995459	Side splash guard
10995489	Parallel guide

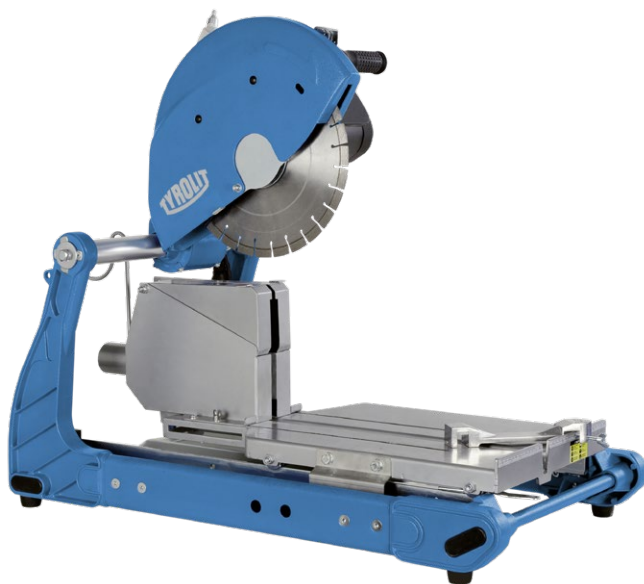
## Tool recommendation

639569	PREMIUM DCT Table saw blade
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# Masonry saw CSE350D

Cutting depth up to 125 mm



Versatility: infinitely adjustable cutting depths



Efficient dust extraction directly by the saw blade



Foldable saw table is available as an accessory

The CSE350D is a professional dry masonry saw that is particularly suitable for chop cuts thanks to the variable cutting depth. One of the highlights of this saw is its innovative dust extraction system, that collects dust directly by the saw blade and thus ensures clean working environment. Numerous settings

and application options ensure maximum flexibility. Compact design, lightweight construction and an optional foldable table make it easy to transport and position on a job site. The fine-tuning between machine and diamond tool as an integrated system guarantees optimal cutting performance.



# System & Accessories

## Technical data

Tile saw CSE350D	
Type no.	11002435
<b>Saw blade</b>	
Max. cutting depth	125 mm
Max. saw blade Ø	350 mm
Cutting length	400 mm
Saw blade speed	3600 rpm
Saw blade holder Ø	25.4 mm

## Drive

Drive / motor	Electric
Motor power	2.2 kW
Voltage / frequency	230 V / 50 Hz
Motor cooling	Air
Saw blade drive	Direct
Application	Dry / wet (optional)

## Design

Cap cutting function	•
Infinitely adjustable cutting depths	•
Angle cutting function (angle stop)	•
Built-in dust extraction	•
Vacuum cleaner connection	•

## Dimensions & Weight

Length	865 mm
Width	510 mm
Height	510 mm
Weight	40 kg

## System & Accessories

Accessories	
11002433	Foldable saw table
11002434	Water hose kit

## Tool recommendation

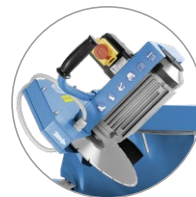
34462049	PREMIUM DCU dry cutting saw blades in TGD® Technology
34462093	PREMIUM DCH dry cutting saw blades in TGD® Technology





## Masonry saw TBE350

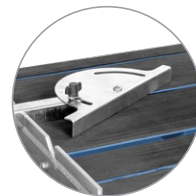
Cutting depth up to 110 mm



Swivelling saw head enables 45° mitre cuts



Two robust castors ensure total manoeuvrability in the deployment location



Angle stop provided for cuts of 30° to 90°

The TBE350 table saw offers an uncompromising price-performance ratio as well as high flexibility through numerous settings and application options. A sturdy saw table with

anti-slip support guarantees clean cuts. The swivelling saw head allows mitre cuts to be made with ease. Detachable table feet and transport wheels ensure trouble-free transport.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	125 mm
Max. saw blade Ø	400 mm
Cutting length	600 mm
Saw blade speed	2 800 rpm
Saw blade arbour Ø	25.4 mm

## Drive

Drive / motor	Electric
Power	2.2 kW
Voltage / standard frequency	230 V / 50 Hz
Motor cooling	Air cooling
Saw blade drive	Direct

## Design

Continuously variable cutting depth
Angle cutting function (angle stop)
Mitre cutting function (swivelling saw head)
Cap cutting function
Water tank made of powder-coated steel
Easy to replace electric water pump
Folding feet and transport handles

## Dimensions & weight

Length	1 210 mm
Width	655 mm
Height	1 285 mm
Weight	86 kg

## System & Accessories

Masonry saw TBE400	
10998400	Masonry saw TBE400 / 230 V
Tool recommendation	
34180291	PREMIUM TSU Table saw blade





## Masonry saw TME700

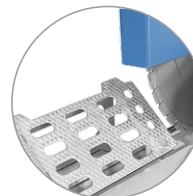
Cutting depth up to 270 mm



Removable water tank for easier cleaning



Built-in operating hours counter centrally located and easy to read



Precise mitre cutting thanks to mitre stop

The TME700 convinces through maximum stability and robustness. The precise stainless-steel saw table guide guarantees a clean cut. Construction-site suitable leading pulleys, forklift guides and a crane hook ensure trouble-free transport.

The anti-contamination positioning of the water pump reduces servicing requirements to a minimum and ensures permanent tool cooling. The intelligent blade guard construction enables quick and easy blade installation.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	270 mm
Max. saw blade Ø	700 mm
Cutting length	600 mm
Saw blade speed	1 380 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

## Drive

Drive / motor	Electric
Output	5.5 kW
Standard voltage / frequency	400 V / 50 Hz
Engine cooling	Air cooling
Saw blade drive	Direct

## Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function (swivelling saw head)
Transport hook and fork lift guides
Pull-out water tank
Electric water pump
Built-in operating hours counter

## Dimensions & Weight

Length	1 470 mm
Width	910 mm
Height	1 350 mm
Weight	220 kg

## System & Accessories

Masonry saw TME700	
10989600	Masonry saw TME700 / 400 V
Accessories	
10978735	Mitre stop (Jolly table)
Tool recommendation	
34171019	PREMIUM TSU Table saw blade





## Masonry saw TME1000

Cutting depth up to 380 mm



Large cutting depths to 380 mm possible (with saw blade Ø 1 000 mm)



Built-in operating hours counter centrally located and easy to read



Fork lift guides for easy and secure transport

The TME1000 convinces through maximum stability and robustness. The precise stainless-steel saw table guide guarantees a clean cut. Construction-site suitable leading pulleys, forklift guides and a crane hook ensure trouble-free

transport. The intelligent blade guard construction enables quick and easy blade installation. Servicing requirements are reduced to a minimum due to low-maintenance saw blade drive via a transmission.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	380 mm
Max. saw blade Ø	1 000 mm
Cutting length	660 mm
Saw blade speed	910 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

## Drive

Drive / motor	Electric
Output	7.5 kW
Standard voltage / frequency	400 V / 50 Hz
Engine cooling	Air cooling
Saw blade drive	Via gears

## Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function (optional mitre stop)
Transport hook and fork lift guides
Pull-out water tank
Electric water pump
Built-in operating hours counter

## Dimensions & Weight

Length	1 800 mm
Width	1 030 mm
Height	1 500 mm
Weight	324 kg

## System & Accessories

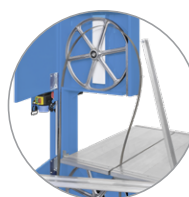
Masonry saw TME1000	
10989800	Masonry saw TME1000 / 400 V
Accessories	
10978735	Mitre stop (Jolly table)
Tool recommendation	
34171031	PREMIUM TSU Table saw blade



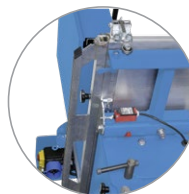


## Cellular concrete band saw TBS510

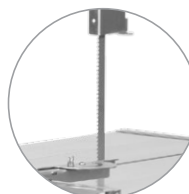
Cutting height up to 510 mm



Fast, simple saw band replacement thanks to quick-release fastener



Automatic saw band shutdown ensures no unnecessary load on the saw band



Constant and optimum saw band tension for excellent cutting accuracy and long life time

The TBS510 cellular concrete band saw is designed for the machining of cellular concrete and all kinds of bricks. The ideally sized saw band rollers guarantee durability and the automatic saw band tensioning system enables consistent band tension for exceptional cutting

accuracy and reduced risk of fracture on the saw band. A particular feature is the low need for maintenance ensured due to the direct drive of the saw band wheels. Cuttings are removed freely thanks to the large opening in the lower saw roller box.



# System & Accessories

## Technical data

Cutting height	510 mm
Cutting length	700 mm
Saw band length	3 750 mm
Saw rollers Ø	500 mm
Bar / saw band outlet	490 mm
Max. load bearing capacity of saw bench	50 kg

## Drive

Motor	Electric
Power	1.5 kW / 230 V
Current consumption	12.5 A

## Dimensions & weight

Max. saw bench dimensions	920 / 710 mm
Length	1 080 mm
Width	750 mm
Height	1 840 mm
Weight	173 kg

## System & Accessories

### Cellular concrete band saw TBS510

11000101	Cellular concrete band saw / 230 V, incl. saw band
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### Tool recommendation

34453058	HM saw band, length 3,750 x 27 mm, 3 teeth/inch
34552984	HM saw band FAST CUT, length 3,750 x 27 mm, 3 teeth/inch









# Floor sawing

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For cured concrete	94
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<b>Machines</b>	<b>102</b>
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## Floor saw blades

Decades of experience in the production and application of floor saws and machines give Tyrolit the edge in the marketplace. As a result, our products can be seen as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use.

Tyrolit floor saw blades are designed to work perfectly with Tyrolit Hydrostress machines as well as all common floor saws.

- + Exceptional and consistent cutting performance coupled with a long service life
- + Universal use
- + Innovative diamond segment design
- + Quiet when working on reinforced concrete
- + Clean cutting edges
- + Large product range: diameters from 300–1 200 mm in various segment widths

## Colour indication

	Concrete	Asphalt
Low Power (≤15 kW)		
Medium Power (15–25 kW)		
High Power (20–50 kW)		
Extreme high Power (>50 kW)		



## Application recommendation

### Choosing the correct floor saw blade

Performance Level	Type	Machine		Material								
		Shaft-drive		Cured concrete				Green concrete			Asphalt	
		B/D	EL/HYD	Very hard	Hard	Medium	Soft	Very hard	Hard	Medium/Soft	Hard	Medium Soft
★★★ PREMIUM	FSA	L	L							○	○	●
	FSL-A	L/M	M							○	●	●
	FSM-A	M/H	M							●	●	●
	FSH-A	H/X	H							○	●	○
	FSC	L	L	○	●	●	●					
	FSL-C	L/M	L	○	●	●	●					
	FSM-C	M/H	M	○	●	●	●					
	FSH-C	H/X	H	●	●	●	●					
	FSA+C	L	L			○	○		○	○	○	●
★ BASIC	FSA	L	L				○			○	○	●
	FSU	L	L	○	●	●	●					

Machine					Material		Suitability	
Power			Shaft-drive		Aggregates		Optimal	●
Low	L	≤15 kW	EL	Electric	Very hard	Flint	Good	●
Medium	M	15–25 kW	HYD	Hydraulic	Hard	Quartz	Acceptable	○
High	H	25–50 kW	B*	Petrol	Medium	Granite	Not suitable	
Very high	X	>50 kW	D*	Diesel	Soft	Limestone		

\* with V-belt drive

### Service

- + Bores and drive holes for special machines are available on request
- + Larger diameters are available on request

### Information / Recommendations

- + Optimum application conditions / peripheral speed

<b>Asphalt</b>		55–60 m/s
<b>Cured concrete</b>	soft aggregates with little reinforcement	40–50 m/s
<b>Cured concrete</b>	hard aggregates	35–45 m/s

- + The safety and operating instructions sent with the machine must be observed at all times when using floor saws. The safety manual will be sent to you on request.





## FSL-C Floor saw blade

for cured concrete | in TGD® Technology

- + **Consistently very fast cutting performance and noticeable smooth running** with TGD® Technology (TYROLIT GRAIN DISTRIBUTION), a unique technology developed by Tyrolit for the optimised distribution of grain.



- + **Very long lifetime.**



Machines up to 15 kW | soft to very hard aggregates. Details: Laser welded up to a diameter of 1 200 mm. Special segment shape

with a protective function to guard against premature steel blade wear in the contact zone – (undercutting-effect).



### FSL-C Floor saw blade for cured concrete | in TGD® Technology



	Shape	Type number	Dimension	Driving bore	Segment height
	 C77W	620570	350 × 3.2 × 25.4		10
		620571	350 × 3.9 × 25.4		10
		612893	450 × 3.9 × 25.4		10
		613264	450 × 4.4 × 25.4		10
		613271	500 × 3.9 × 25.4		10
		613272	600 × 3.9 × 25.4		10
		638179	600 × 3.9 × 25.4	7M23	10
		648205	600 × 3.9 × 60/25.4		10
		613273	600 × 4.4 × 25.4		10
		615335	600 × 5 × 25.4		10
		103020	650 × 3.9 × 25.4		10

● = low



● = medium

● = high

● = extreme high power







	Shape	Type number	Dimension	Driving bore	Segment height
		C77W	613274	700 × 3.9 × 25.4	10
			615338	700 × 4.4 × 25.4	10
			613276	800 × 3.9 × 25.4	10
			615339	800 × 4.4 × 25.4	10
			615340	900 × 4.4 × 25.4	10
			615341	1000 × 4.4 × 25.4	10
			646183	1200 × 4.4 × 35/25.4	10
				7M174	



### FSM-C Floor saw blade for cured concrete | in TGD® Technology



Machines up to 25 kW | soft to very hard concrete aggregates

	Shape	Type number	Dimension	Driving bore	Segment height
		C77W	620572	350 × 3.2 × 25.4	10
			620573	350 × 3.9 × 25.4	10
			739750	350 × 3.9 × 35/25.4	10
			615342	450 × 3.9 × 25.4	10
			653498	450 × 3.9 × 35/25.4	10
			613277	450 × 5 × 25.4	10
			631830	450 × 5 × 35/25.4	10
			613280	500 × 3.9 × 25.4	10
			613284	600 × 3.9 × 25.4	10
			613285	600 × 4.4 × 25.4	10
			613286	600 × 5 × 25.4	10
			624783	600 × 5 × 35/25.4	10
			613287	700 × 3.9 × 25.4	10
			615343	700 × 4.4 × 25.4	10
			643676	700 × 4.4 × 35/25.4	10
			613288	800 × 4.4 × 25.4	10
			621887	800 × 4.4 × 35/25.4	10
			34167502	800 × 5 × 25.4	10
			613289	900 × 4.4 × 25.4	10
			613291	1000 × 4.4 × 25.4	10
			633953	1000 × 4.4 × 35/25.4	10
			620575	1200 × 4.4 × 25.4	10

7M174: Cedima/Lissmac: 6 bores with 14 mm Ø on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

7M23: Wakra: 6 bores with 7.4 mm Ø on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

● = low

● = medium

● = high

● = extreme high power







## FSH-C Floor saw blade for cured concrete | in TGD® Technology



Machines up to 50 kW / hydr. >50 kW Universal | soft to very hard concrete aggregates. Details: Laser welded up to a diameter of 1 200 mm.

Special segment shape with a protective function to guard against premature steel blade wear in the contact zone – (undercutting-effect).

	Shape	Type number	Dimension	Driving bore	Segment height	
		C77W	34434020	350 × 3.9 × 35/25.4	7M174	10
		34156477	450 × 3.9 × 25.4		10	
		34291445	450 × 3.9 × 35/25.4	7M174	10	
		34433996	450 × 5 × 35/25.4	7M174	10	
		34156478	500 × 3.9 × 25.4		10	
		34201330	600 × 3.9 × 25.4		10	
		34239567	600 × 4.4 × 25.4		10	
		34174307	600 × 4.4 × 35/25.4	7M174	10	
		34238987	600 × 5 × 25.4		10	
		34433997	700 × 4.4 × 25.4		10	
		34210621	700 × 4.4 × 35/25.4	7M174	10	
		34234940	800 × 4.4 × 25.4		10	
		34174303	800 × 4.4 × 35/25.4	7M174	10	
		34476019	800 × 5 × 25.4		10	
		34238986	900 × 4.4 × 35/25.4	7M174	10	
		34235444	1000 × 4.4 × 25.4		10	
		34321445	1000 × 4.4 × 35/25.4	7M174	10	
		34295499	1200 × 4.4 × 35/25.4	7M174	10	





## FSC Floor saw blade for cured concrete



Machines up to 15 kW | soft to medium-hard aggregates.  
Details: Laser welded up to a diameter of 600 mm.

Equipped with measuring bore for easy wear control of the segment height.

A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.

	Shape	Type No.	Dimension	Segment height
		C7W		
		574853	300×3.2×25.4	12
		574854	350×3.2×25.4	12
		574855	400×3.2×25.4	12
		574856	450×3.6×25.4	12
		574857	500×3.6×25.4	12
		574858	600×3.6×25.4	12
		34237521	700×3.6×35/25.4	12
	34237523	800×3.9×35/25.4	12	

● = low

● = medium

● = high

● = extreme high power





# FSL-A Floor saw blade

for asphalt

+ Consistently fast cutting performance, long lifetime using wide spacing.



+ Inclined protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect).

Machines up to 25 kW | soft to very hard aggregates. Details: Laser-welded up to a diameter of 800 mm. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect).

A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore. Suitable for renovation, controlled demolition and demolition of roads, highways, airports, bridges and industrial buildings. Also for removing damaged concrete ceilings

and for ceiling breakthroughs up to a thickness of 50 cm. An extremely fast cutting feed, a very long service life and a low cutting pressure, which protects the machine, characterize the tools.



## FSL-A Floor saw blade for asphalt




	Shape	Type number	Dimension	Segment height
		620541	350 × 3.2 × 25.4	9
		620542	400 × 3.2 × 25.4	9
		620544	450 × 3.6 × 25.4	9
		34025217	450 × 3.6 × 35/25.4	7M174
		621163	450 × 5 × 25.4	9
		713047	450 × 5 × 35/25.4	7M174
		599004	500 × 3.6 × 25.4	9
		156321	500 × 3.6 × 35/25.4	7M174
		620558	600 × 3.6 × 25.4	9
		584375	600 × 3.6 × 35/25.4	9
		628555	600 × 3.6 × 35/25.4	7M174
		621164	600 × 5 × 35/25.4	9
		657349	600 × 5 × 35/25.4	7M174
				9
				9







Shape	Type number	Dimension	Segment height
	34237486	700 x 4.7 x 35/25.4	9
	34278102	700 x 4.7 x 35/25.4 7M174	9
	34237487	800 x 4.7 x 35/25.4	9
	34324905	800 x 4.7 x 35/25.4 7M174	9
	C1S 620553	900 x 4.7 x 35/25.4	9
	620555	1000 x 4.7 x 35/25.4 7M174	9
	620556	1200 x 4.7 x 35/25.4	9
	C7SW 34315995*	350 x 4.2 x 35/25.4 14M262	11

\*For dry cutting asphalt on machines with dust extraction  
14M262 = Combi bore Lissmac and Wakra Dicona





## FSM-A Floor saw blade for asphalt



Machines up to 50 kW | hard to very hard aggregates.  
Details: Laser-welded up to a diameter of 600 mm.  
With protective segments to guard against premature steel blade wear in

the contact zone – (undercutting-effect). A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.

Shape	Type number	Dimension	Segment height
	C3SW 620533	350 x 3.2 x 25.4	9
	620536	400 x 3.2 x 25.4	9
	620532	450 x 3.6 x 25.4	9
	621191	450 x 5 x 25.4	9
	649707	450 x 5 x 35/25.4 7M174	9
	589737	500 x 3.6 x 25.4	9
	589734	600 x 3.6 x 25.4	9
	653497	600 x 3.6 x 35/25.4 7M174	9
	620528	600 x 4.7 x 25.4	9
	635712	600 x 4.7 x 35/25.4 7M174	9
	621192	600 x 5 x 25.4	9
	655712	600 x 5 x 35/25.4 7M174	9
	34282482	800 x 4.7 x 35/25.4 7M174	9
	C3S 620529	700 x 4.7 x 35/25.4	9
	669235	700 x 4.7 x 35/25.4 7M174	9
	620530	800 x 4.7 x 35/25.4	9
	620531	900 x 4.7 x 35/25.4	9
	620555	1000 x 4.7 x 35/25.4	9
	34343705	1000 x 4.7 x 35/25.4 7M174	9
	34723227	1200 x 4.7 x 35/25.4 7M174	9

● = low

● = medium

● = high



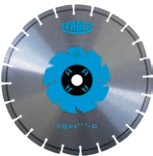




## FSH-A Floor saw blade for asphalt



Machines over 50 kW | hard to very hard abrasive aggregates.  
Details: Laser-welded up to a diameter of 600 mm.  
With protective segments to guard against premature steel blade wear in

the contact zone – (undercutting-effect). A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.

	Shape	Type number	Dimension	Segment height		
		C3SW	620559	350 x 3.2 x 25.4		9
			34049852	350 x 3.2 x 35/25.4	7M174	9
			620561	400 x 3.2 x 25.4		9
			620563	450 x 3.6 x 25.4		9
			621193	450 x 5 x 25.4		9
			658932	450 x 5 x 35/25.4	7M174	9
			620564	500 x 3.6 x 25.4		9
			34049853	500 x 3.6 x 35/25.4	7M174	9
			620565	600 x 4.7 x 25.4		9
			635613	600 x 4.7 x 25.4		9
		C3S	620567	700 x 4.7 x 35/25.4		9
			706622	700 x 4.7 x 35/25.4	7M174	9
			620568	800 x 4.7 x 35/25.4		9
			673462	800 x 4.7 x 35/25.4	7M174	9
			620569	900 x 4.7 x 35/25.4		9
			671193	900 x 4.7 x 35/25.4	7M174	9
			660336	1000 x 4.7 x 35/25.4	7M174	9
			660333	1200 x 4.7 x 35/25.4	7M174	9





## FSA Floor saw blade for asphalt



Machines up to 15 kW | soft to very hard aggregates. Details: laser welded up to a diameter of 800 mm. with protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect) and

measuring bore for easy wear control of the segment height. A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.


	Shape	Type number	Dimension	Segment height	
		C7SW	574838	300 × 3.2 × 25.4	9
		574844	350 × 3.2 × 25.4	9	
		574845	400 × 3.2 × 25.4	9	
		574846	450 × 3.6 × 25.4	9	
		574848	500 × 3.6 × 25.4	9	
		574850	600 × 3.6 × 25.4	9	
		34237480	700 × 4.2 × 35/25.4	9	
		34237482	800 × 4.2 × 35/25.4	9	


● = low

● = medium



● = high











**FSA Floor saw blade**  
for asphalt




Machines up to 15 kW | materials able to be machined: Asphalt, sand-stone, extremely abrasive materials. Details: Protective segments against the undercutting-effect.

	Shape	Type number	Dimension	Segment height
	 C1SW	34546444	450 × 3.6 × 25.4	10
		34573482	500 × 3.6 × 25.4	10









**FSA+C Floor saw blade**  
for asphalt & concrete



Machines up to 15 kW | machinable materials: asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete. Details: Protective segments against the undercutting-effect.

	Shape	Type number	Dimension	Segment height
	 C7SW	34527692	450 × 3.6 × 25.4	10
		34573481	500 × 3.6 × 25.4	10







**FSU Floor saw blade**  
for universal building materials

Machines up to 15 kW | Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc.

	Shape	Type number	Dimension	Segment height
	 C3W	34546443	450 × 3.6 × 25.4	10
		34573300	500 × 3.6 × 25.4	10

● = low

● = medium

● = high









## Floor saw FSG513

Cutting depth up to 195 mm



User-friendly cutting depth setting and convenient speed control



Optimised centre of gravity above the shaft



Universal field of application with left and right cutting function

Thanks to its extremely robust, high-quality chassis, the FSG513 is highly robust and flexible thanks to the left- and right-handed as well

as corner flush cutting functions. The reliable Honda petrol engine is equipped with a cyclone air filter.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	195 mm
Max. saw blade Ø	500 mm
Saw blade speed	2 600 rpm
Saw blade uptake Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

## Drive

Drive / motor	Petrol
Type	Honda
Power	8.2 kW / 11 HP
Fuel	Lead free
Fuel tank	6.1 l
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

## Design

Manual, cutting depth adjustment via spindle
Cutting depth indicator
Tool cooling using water fork
Left and right hand cutting function
Flush corner cut function
25 l water tank

## Dimensions & Weight

Length	1 136 mm
Width	578 mm
Height	1 016 mm
Weight	115 kg

## System & Accessories

Floor saw FSG513	
10988800	Floor saw FSG513 incl. water tank kit
Accessories	
11004545	Operating hours counter (Feed kit)





## Floor saw FSG620

Cutting depth up to 230 mm



Exceptionally easy handling due to neatly arranged control panel



Controlled work thanks to digital operating hours counter and reliable petrol gauge



Blade guard side change in just a few steps

Thanks to its intelligent weight distribution, the FSG620 provides for excellent cutting behaviour and the left- and right-handed cutting function enhances flexibility.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	230 mm
Max. saw blade Ø	600 mm
Saw blade speed	2 120 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

## Drive

Drive / motor	Petrol
Type	Honda
Output	13 kW / 18 PS
Fuel	Lead free
Fuel tank	7.6 l
Engine cooling	Air cooling
Feed	Hydraulic
Blade drive	Via V-belt
Feed speed	0–24 m/min

## Design

Manual, stepless cut depth setting via a spindle
Tool cooling using water fork
Left / right cutting function
25 l water tank

## Dimensions & Weight

Length	840 mm
Width	580 mm
Height	1 030 mm
Weight	184 kg

## System & Accessories

Floor saw FSG620	
10984041	Floor saw FSG620
Accessories	
10984389	Green concrete kit with 350 mm blade guard and transformation set (3 000 rpm)





## Floor saw FSE808

Cutting depth up to 320 mm



Optimal saw blade shaft speed for maximum productivity



Quick and easy to switch from left to right cutting



Stable H-shaped dipstick

The electric floor saw FSE808 has been specially developed for locations that are difficult to access and allows a quick change from left to right cutting. The floor saw operates emission-free and low vibration, making it particularly suitable for cutting work on and

in buildings. The saw also has a step-less cutting depth adjustment via a threaded spindle with cutting depth indication. The fold-up saw cover allows effortless over-cuts. For easy transport, the floor saw can be dismantled into several handy assemblies.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	320 mm
Max. saw blade Ø	800 mm
Saw blade speed	1 250 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

## Drive

Drive / motor	Electric
Output	7.5 kW
Voltage / frequency	400 V / 50 Hz
Nominal current	14.1 A
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

## Design

Continuous cutting depth adjustment via spindle
Adjustable cutting depth indicator
Left / right cutting function
Corner flush cutting function
Height-adjustable and 90° rotating handles

## Dimensions & Weight

Length	900 mm
Width	580 mm
Height	850 mm
Weight	156 kg

## System & Accessories

Floor saw FSE808	
11002800	Floor saw FSE808
11002123	Flush cut blade guard 800 mm





## Floor saw FSE1022

Cutting depth up to 420 mm



Particularly compact design



Clear and ergonomically arranged control panel

The robust, powerful floor saw FSE1022 was specially developed for cutting tasks in buildings. The frequency converter enables the continuously variable adjustment of the cutting shaft speed, making it

possible to set the optimum cutting speed for every saw blade diameter. The low centre of gravity and precise distribution of weight on the axes ensure stability and excellent directional stability.



# System & Accessories

## Technical data

Saw blade	
Max. cutting depth	420 mm
Max. saw blade Ø	1,000 mm
Saw blade speed	850 rpm – 1,850 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

## Drive

Drive / motor	Electric motor
Output	22 kW
Voltage / frequency	400 V/32 A
Engine cooling	Air
Feed	Electric
Blade drive	Via V-belt

## Design

Left / right cutting function
Cutting depth indicator
Corner flush cutting function
Electro-hydraulic cutting depth adjustment

## Dimensions & weight

Length	1,150 mm
Width	795 mm
Height	1,350 mm
Weight	388 kg

## System & Accessories

Floor saw FSE1022	
11002122	Floor saw FSE1022
11002123	Flush cut blade guard 800 mm







# Core drilling

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## Diamond wet drill bits







## Drill bits for wet drilling

Decades of experience in the production and application of core drill bits and core drill systems give Tyrolit the edge in the marketplace.

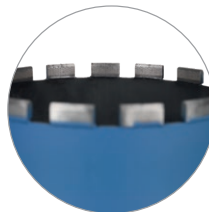
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

construction site use. Especially suitable for drilling reinforced or normal concrete. Can be operated on a drill rig or hand-held. Tyrolit core drill bits

are designed to work perfectly with Tyrolit Hydrostress machines.

### TGD® Technology

The TYROLIT GRAIN DISTRIBUTION achieves a constant and high cutting performance due to optimum diamond grain distribution.



<b>HOHL1</b>	TGD® segments
<b>HOHL1D</b>	Conventional segments with roof shape
<b>HOHL2</b>	Thin-walled wet drill bits with segments set in the carrier
<b>HOHL3</b>	Ring segment - to diameter 42 mm
<b>HOHLT</b>	Diamond dry drill bits



## Speeds wet drill bits

Diameter	Speed		Drive power	
	Concrete (2.0–4.5 m/s)			
mm	rpm			kW
10	3.810	max. 4.000	1	
20	1.900	max. 4.000		
32	1.190	2.680		
42	900	2.040		
52	730	1.650	2	
62	610	1.380		
82	460	1.040		
102	370	840		
112	340	760	3	
122	310	700		
132	280	650		
152	250	560		
162	230	530	>4	
182	200	470		
202	180	420		
250	150	340		
300	120	280		
400	95	210		
500	75	170		

### Service

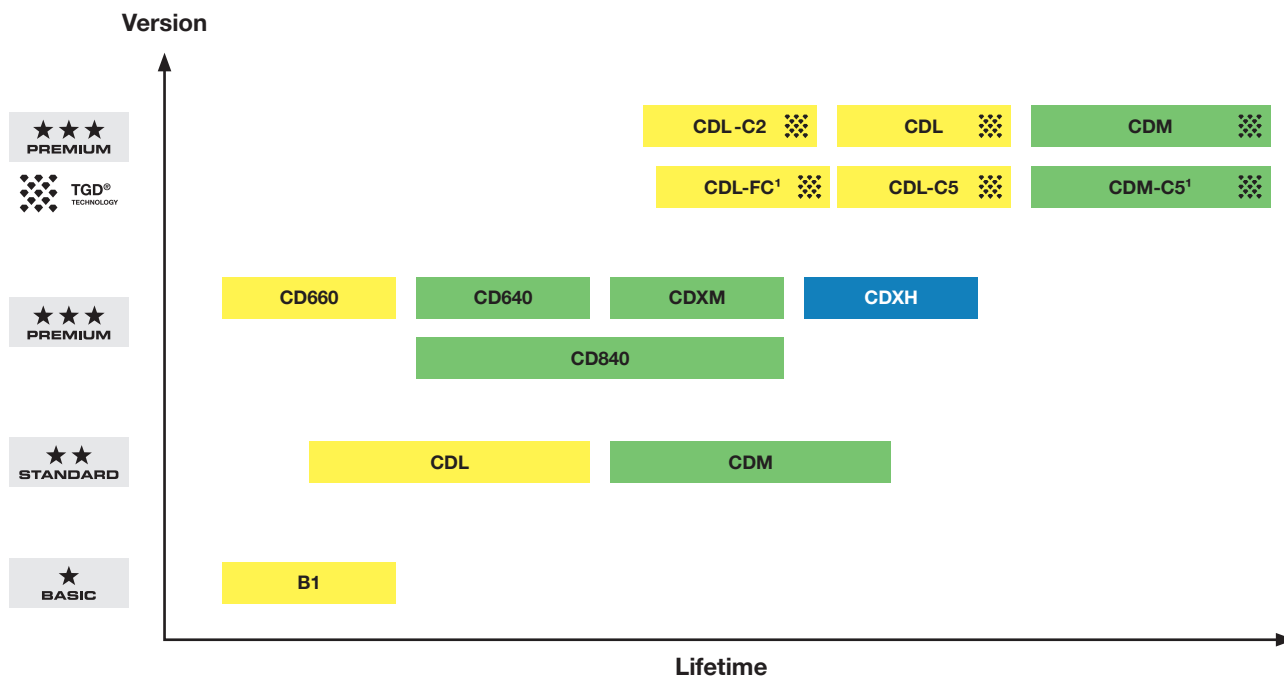
- + Products for concrete (asphalt, masonry, steel and special applications on request)
- + Mountings and connection threads available to comply with local standards and tailored to suit all types of motors (electric, hydraulic)
- + Perfect system solution in conjunction with Tyrolit Hydrostress drill motors and drill rigs
- + Extensive range of accessories available
- + Special dimensions and individual solutions available on request
- + We will be pleased to provide technical support and system solutions for special construction sites

### Information / Recommendations

- + Highest levels of performance at peripheral speeds of 2 - 4.5 m/s on concrete (1.5 - 3 m/s on reinforced concrete, 4 - 4.5 m/s on very abrasive materials)
- + For core drills with a diameter of 400 mm or more, we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request (1¼"-4L = the combination GR-F with 1¼" adapter)
- + The correct drill rig mounting is essential
- + The correct coolant quantity is also important for the optimum drilling performance ("milky" consistency of the water)
- + The machine safety and user instructions must be read and understood before starting work. The drilling safety manual will be sent to you on request



## Product life Tyrolit wet drill bits



<sup>1</sup> Drill bits available on request

### Colour code

Low Power  
up to 3 kW



Medium Power  
3-5 kW



High Power  
from 5 kW



## Segment overview Wet drilling



### TECHNOLOGY

TGD® – optimum diamond grain distribution  
**PREMIUM** CDL-C2, CDL-C5, CDL-FC, CDL, CDM-C5, CDM



### EFFICIENCY

Ideal working results  
**PREMIUM** CDXH, CDXM  
**STANDARD** CDL, CDM  
**BASIC** B1



### CUTTING PERFORMANCE

High cutting ability through U-cuts  
**PREMIUM** CD840, CD640, CD660  
**BASIC** B1M



# Application recommendation

## Tyrolit wet drill bits

### Material properties

Performance Level	Specification	Aggregates				Abrasiveness			Reinforcement		
		soft	medium	hard	very hard	low	medium	high	low	medium	high
★★★ PREMIUM	CDL-FC TGD <sup>®1</sup>	●	●			●	●	○	●	●	
	CDL-C5 TGD <sup>®</sup>	●	●	○		○	●	●	●	●	●
	CDM-C5 TGD <sup>®1</sup>		●	●	●		●	●	●	●	●
	CDL TGD <sup>®</sup>	●	●	●	○	●	●	●	●	●	●
	CDL-C2 TGD <sup>®</sup>	●	●	○		●	●	●	●	●	●
	CDM TGD <sup>®</sup>	●	●	●	●	○	●	●	●	●	●
	CDXH	○	●	●	●		○	●	●	●	●
	CDXM	●	●	●	●	○	●	●	●	●	●
	CD640	●	●	●	●	○	●	●	●	●	●
	CD660	●	●	●	○	●	●	●	●	●	
	CD840	●	●	●	○	○	●	●	●	●	○
★★ STANDARD	CDL	●	●	○		○	●	●	●	○	
	CDM	○	●	●	●		○	●	●	●	●
★ BASIC	B1	●	●	●		●	●	○	●	○	
		Limestone Granite	Quartz Granite	Rhine gravel Danube gravel	Flint						

### Machine power

Performance Level	Specification	Machine power			Speed		
		low up to 3 kW	medium 3–5 kW	high from 5 kW	low	medium	high
★★★ PREMIUM	CDL-FC TGD <sup>®1</sup>	●	●	○	○	●	●
	CDL-C5 TGD <sup>®</sup>	●	●	○	○	●	●
	CDM-C5 TGD <sup>®1</sup>	○	●	●	●	●	○
	CDL TGD <sup>®</sup>	●	●	○	○	●	●
	CDL-C2 TGD <sup>®</sup>	●	●			●	○
	CDM TGD <sup>®</sup>	○	●	●	●	●	●
	CDXH	○	●	●	●	●	○
	CDXM	●	●	●	○	●	●
	CD640	●	●	●	○	●	●
	CD660	●	●			●	●
	CD840	●	●	●	●	●	●
★★ STANDARD	CDL	●	●	○	○	●	●
	CDM	○	●	●	●	●	○
★ BASIC	B1	●	●		○	●	●

#### Suitability

Optimal	●
Good	●
Acceptable	○
Not suitable	

<sup>1</sup> Drill bits available on request



## Clear colour coding for every drilling application

The dry and wet drill bits by Tyrolit have been specially developed to meet the various requirements of drilling work. Dry drill bits are ideal for applications where a water cooling system is not possible or not required. These drill bits are now available in black, which allows them to be clearly distinguished from wet drill bits. This colour coding makes it easier for operators to select the right drill bit for their specific requirements.

Wet drill bits, on the other hand, are designed for applications where a water cooling system is necessary to prevent overheating and extend the lifetime of the drill bit. These drill bits remain in the traditional blue colour, which distinguishes them from dry drill bits. The blue colour scheme indicates to operators that these drill bits are intended for wet applications.

The clear colour distinction between black dry drill bits and blue wet drill bits considerably simplifies the selection and handling of the drill bits. Operators can see at a glance which drill bit is suitable for their particular application, which increases efficiency and safety at work.









NEW

★★★  
PREMIUM

# CDL-C5 Wet drill bits

for reinforced concrete | in TGD® Technology

+ **Consistently very fast cutting performance and noticeable smooth running**  
with TGD® Technology (TYROLIT GRAIN DISTRIBUTION), a unique technology developed by Tyrolit for the optimised distribution of grain.



- + **Ideal for processing reinforced concrete with a high steel content**
- + **Particularly easy to cut with very smooth running behaviour**

Drill motors up to 3,5 kW | soft to medium-hard concrete aggregates. Quality tool for the highest demands and maximum economic efficiency. Outstanding and constant cutting

performance with very smooth running behaviour, especially when used on medium-hard reinforced concrete with a high steel content. Segmented diamond drill bit with

TGD® technology and segment height of 11.3 mm for universal use and problem-free core removal.


NEW

★★★  
PREMIUM

●

CDL-C5 Wet drill bits  
for reinforced concrete | in TGD® Technology




		Type no.	Dimension	Segment height
	HOHL1	34659981	47 × 450 × 11/4"	11.3
		34659982	52 × 450 × 11/4"	11.3
		34659983	57 × 450 × 11/4"	11.3
		34659985	62 × 450 × 11/4"	11.3
		34659986	67 × 450 × 11/4"	11.3
		34659987	72 × 450 × 11/4"	11.3
		34659988	75 × 450 × 11/4"	11.3
		34659989	82 × 450 × 11/4"	11.3
		34659990	92 × 450 × 11/4"	11.3
		34660027	102 × 450 × 11/4"	11.3
		34660028	107 × 450 × 11/4"	11.3
		34660029	112 × 450 × 11/4"	11.3
		34660030	117 × 450 × 11/4"	11.3
		34660031	122 × 450 × 11/4"	11.3







		Type no.	Dimension	Segment height
	HOHL1	34660032	125 × 450 × 11/4"	11.3
		34660033	127 × 450 × 11/4"	11.3
		34660034	132 × 450 × 11/4"	11.3
		34660035	138 × 450 × 11/4"	11.3
		34660036	142 × 450 × 11/4"	11.3
		34660037	152 × 450 × 11/4"	11.3
		34660038	162 × 450 × 11/4"	11.3
		34660039	172 × 450 × 11/4"	11.3
		34660040	182 × 450 × 11/4"	11.3
		34660041	186 × 450 × 11/4"	11.3
		34660043	192 × 450 × 11/4"	11.3
		34660044	202 × 450 × 11/4"	11.3
		34660045	212 × 450 × 11/4"	11.3
		34660046	220 × 450 × 11/4"	11.3
		34660047	225 × 450 × 11/4"	11.3
		34660048	250 × 450 × 11/4"	11.3




### CDL Wet drill bits for reinforced concrete | in TGD® Technology (from Ø 47 mm)



Drill motors up to 3,5 kW | soft to medium-hard concrete aggregates.  
Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth core removal. Segmented drill from Ø 47 mm with TGD® Technology and


segment height of 11.3 mm. Laser welded segments up to a Ø 300 mm for maximum safety.

		Type no.	Dimension	Segment height
	HOHL3	34574089	10 × 500 × R½"	7
		497349	12 × 400 × R½"	7
		854317	14 × 400 × R½"	7
		474990	15 × 400 × R½"	7
		474991	16 × 400 × R½"	7
		474993	18 × 400 × R½"	7
		474995	20 × 400 × R½"	7
		474997	22 × 400 × R½"	7
		475000	24 × 400 × R½"	7
		475009	25 × 400 × R½"	7
		572496	26 × 400 × R½"	7
		475010	28 × 400 × R½"	7
		475011	30 × 400 × R½"	7
		475012	32 × 400 × R½"	7
		500072	35 × 450 × R½"	7
		475014	37 × 450 × R½"	7
		475015	40 × 450 × R½"	7
		475016	42 × 450 × R½"	7







	Type no.	Dimension	Segment height
	HOHL1	34178733	47 × 450 × 1¼" 11.3
		34067834	52 × 450 × 1¼" 11.3
		34170724	57 × 450 × 1¼" 11.3
		34159556	62 × 450 × 1¼" 11.3
		34067836	67 × 450 × 1¼" 11.3
		34178734	72 × 450 × 1¼" 11.3
		34017777	82 × 450 × 1¼" 11.3
		34018473	92 × 450 × 1¼" 11.3
		34018475	102 × 450 × 1¼" 11.3
		34018477	107 × 450 × 1¼" 11.3
		34018478	112 × 450 × 1¼" 11.3
		34018480	117 × 450 × 1¼" 11.3
		34018511	122 × 450 × 1¼" 11.3
		34018513	127 × 450 × 1¼" 11.3
		34018514	132 × 450 × 1¼" 11.3
		34018517	142 × 450 × 1¼" 11.3
		34017778	152 × 450 × 1¼" 11.3
		34018520	162 × 450 × 1¼" 11.3
		34018523	172 × 450 × 1¼" 11.3
		34018525	182 × 450 × 1¼" 11.3
		34018528	192 × 450 × 1¼" 11.3
		34017779	202 × 450 × 1¼" 11.3
		34018530	212 × 450 × 1¼" 11.3
		34028433	225 × 450 × 1¼" 11.3
		34018533	250 × 450 × 1¼" 11.3
		711267	300 × 450 × 1¼" 11.3
		711268	350 × 450 × 1¼" 11.3
		711269	400 × 450 × 1¼" 11.3
		711270	450 × 450 × 1¼" 11.3
		711272	500 × 450 × 1¼" 11.3
		34072174	52 × 500 × PIXIE 11.3
		34072175	62 × 500 × PIXIE 11.3
		34072176	72 × 500 × PIXIE 11.3
		34018370	82 × 500 × PIXIE 11.3
		34018474	92 × 500 × PIXIE 11.3
		34018476	102 × 500 × PIXIE 11.3
		34018479	112 × 500 × PIXIE 11.3
		34018512	122 × 500 × PIXIE 11.3
		34018515	132 × 500 × PIXIE 11.3
		34018516	138 × 500 × PIXIE 11.3
		34018518	142 × 500 × PIXIE 11.3
		34018519	152 × 500 × PIXIE 11.3
		34018521	162 × 500 × PIXIE 11.3
		34018524	172 × 500 × PIXIE 11.3
		34018526	182 × 500 × PIXIE 11.3
		34018527	186 × 500 × PIXIE 11.3
		34018529	202 × 500 × PIXIE 11.3
		34018531	226 × 500 × PIXIE 11.3
		34018534	250 × 500 × PIXIE 11.3

For core drills with a diameter of 400 mm or more we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request.






**CDL-C2 Wet drill bits**  
for reinforced concrete | in TGD® Technology



Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth core removal. Segmented drill from Ø 82 mm with TGD® Technology and segment height of 11.3 mm. Laser welded segments up to a Ø 300 mm for maximum safety.

		Type no.	Dimension	Segment height
	HOHL1	34018536	82 × 500 × PIXIE	11.3
		34018538	92 × 500 × PIXIE	11.3
		34018539	102 × 500 × PIXIE	11.3
		34018542	107 × 500 × PIXIE	11.3
		34018543	112 × 500 × PIXIE	11.3
		34018544	122 × 500 × PIXIE	11.3
		34018546	127 × 500 × PIXIE	11.3
		34018547	132 × 500 × PIXIE	11.3
		34018549	138 × 500 × PIXIE	11.3
		34018550	142 × 500 × PIXIE	11.3
		34018551	152 × 500 × PIXIE	11.3
		34018553	162 × 500 × PIXIE	11.3
		34018554	172 × 500 × PIXIE	11.3
		34018555	182 × 500 × PIXIE	11.3
		34018556	186 × 500 × PIXIE	11.3
		34018557	202 × 500 × PIXIE	11.3
		34018559	226 × 500 × PIXIE	11.3
		34018560	250 × 500 × PIXIE	11.3
		34018537	82 × 450 × 1¼"	11.3
		34018540	102 × 450 × 1¼"	11.3
		34018545	122 × 450 × 1¼"	11.3
		34018548	132 × 450 × 1¼"	11.3
		34018552	152 × 450 × 1¼"	11.3
		34018558	202 × 450 × 1¼"	11.3
		34018561	250 × 450 × 1¼"	11.3






## CDM Wet drill bits for reinforced concrete | in TGD® Technology (from Ø 77 mm)



Drill motors 3–5 kW | medium-hard to hard concrete aggregates. Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth

core removal. Segmented drill from Ø 77 mm with TGD® Technology and segment height of 11.3 mm. Laser welded segments up to a Ø 300 mm for maximum safety.

	Type no.	Dimension	Segment height
	HOHL1D	606482	47 × 450 × 1¼" 8.5
		606527	52 × 450 × 1¼" 8.5
		606530	57 × 450 × 1¼" 8.5
		606485	62 × 450 × 1¼" 8.5
		606536	67 × 450 × 1¼" 8.5
		606541	72 × 450 × 1¼" 8.5
	HOHL1	34223152	77 × 450 × 1¼" 11.3
		34018562	82 × 450 × 1¼" 11.3
		34018564	92 × 450 × 1¼" 11.3
		34018566	102 × 450 × 1¼" 11.3
		34018568	107 × 450 × 1¼" 11.3
		34018569	112 × 450 × 1¼" 11.3
		34018571	117 × 450 × 1¼" 11.3
		34018572	122 × 450 × 1¼" 11.3
		34018574	125 × 450 × 1¼" 11.3
		34018575	127 × 450 × 1¼" 11.3
		34018576	132 × 450 × 1¼" 11.3
		34018579	142 × 450 × 1¼" 11.3
		34018584	152 × 450 × 1¼" 11.3
		34018587	162 × 450 × 1¼" 11.3
		34018589	172 × 450 × 1¼" 11.3
		34018601	182 × 450 × 1¼" 11.3
		34018604	192 × 450 × 1¼" 11.3
		34018605	202 × 450 × 1¼" 11.3
		34018607	212 × 450 × 1¼" 11.3
		34018608	225 × 450 × 1¼" 11.3
		34018610	250 × 450 × 1¼" 11.3
		711343	300 × 450 × 1¼" 11.3
		711344	350 × 450 × 1¼" 11.3
		711347	400 × 450 × 1¼" 11.3
		711348	450 × 450 × 1¼" 11.3
		711349	500 × 450 × 1¼" 11.3






### CDXH Wet drill bits for reinforced concrete

Drill motors > 3,5 kW | hard to very hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

Segment height of 11.3 mm for a long lifetime. Laser-welded segments up to Ø 300 mm for maximum safety.


	Type no.	Dimension	Segment height	
	HOHL1D	34196019	52 × 450 × 1¼"	11.3
		34196061	57 × 450 × 1¼"	11.3
		34196063	62 × 450 × 1¼"	11.3
		34196069	72 × 450 × 1¼"	11.3
		34167000	82 × 450 × 1¼"	11.3
		34167261	92 × 450 × 1¼"	11.3
		34167263	102 × 450 × 1¼"	11.3
		34167267	112 × 450 × 1¼"	11.3
		34167281	122 × 450 × 1¼"	11.3
		34167283	127 × 450 × 1¼"	11.3
		34167287	132 × 450 × 1¼"	11.3
		34167292	152 × 450 × 1¼"	11.3
		34167294	158 × 450 × 1¼"	11.3
		34167296	162 × 450 × 1¼"	11.3
		34167302	182 × 450 × 1¼"	11.3
		34167311	202 × 450 × 1¼"	11.3
		34167319	250 × 450 × 1¼"	11.3
		34196074	300 × 450 × 1¼"	11.3



### CDXM Wet drill bits for reinforced concrete

Drill motors up to 3 kW | medium-hard to very hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.


Segment height of 11.3 mm for a long lifetime. Laser-welded segments up to Ø 300 mm for maximum safety. Pre-drilling segments on request. With segment widths up to 7.5 mm.

		Type no.	Dimension	Segment height
	HOHL1D	34331923	47 × 450 × 1¼"	11.3
		34206525	52 × 450 × 1¼"	11.3
		34331924	57 × 450 × 1¼"	11.3
		34206526	62 × 450 × 1¼"	11.3
		34206527	67 × 450 × 1¼"	11.3
		34206528	72 × 450 × 1¼"	11.3
		34206529	77 × 450 × 1¼"	11.3
		34167814	82 × 450 × 1¼"	11.3
		34167816	87 × 450 × 1¼"	11.3
		34167819	92 × 450 × 1¼"	11.3







		Type no.	Dimension	Segment height
	HOHL1D	34409913	96 × 450 × 1¼"	11.3
		34167831	102 × 450 × 1¼"	11.3
		34167833	107 × 450 × 1¼"	11.3
		34167835	112 × 450 × 1¼"	11.3
		34167837	117 × 450 × 1¼"	11.3
		34167839	122 × 450 × 1¼"	11.3
		34167841	127 × 450 × 1¼"	11.3
		34167843	132 × 450 × 1¼"	11.3
		34167845	142 × 450 × 1¼"	11.3
		34167847	152 × 450 × 1¼"	11.3
		34167849	158 × 450 × 1¼"	11.3
		34167851	162 × 450 × 1¼"	11.3
		34167853	167 × 450 × 1¼"	11.3
		34167855	172 × 450 × 1¼"	11.3
		34167857	182 × 450 × 1¼"	11.3
		34167859	187 × 450 × 1¼"	11.3
		34167861	192 × 450 × 1¼"	11.3
		34167863	202 × 450 × 1¼"	11.3
		34167865	212 × 450 × 1¼"	11.3
		34167867	225 × 450 × 1¼"	11.3
		34167869	240 × 450 × 1¼"	11.3
		34167873	250 × 450 × 1¼"	11.3

NEW




### CD840 Wet drill bits for reinforced concrete



Drill motors up to 3 kW | soft to medium-hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

Segment height of 11.3 mm for a long lifetime, segment geometry for a high stock removal rate. Laser-welded segments up to Ø 300 mm for maximum safety.


		Type no.	Dimension	Segment height
	HOHL1	34657569	47 × 450 × 1¼"	11.3
		34635417	52 × 450 × 1¼"	11.3
		34635418	57 × 450 × 1¼"	11.3
		34657592	62 × 450 × 1¼"	11.3
		34657591	67 × 450 × 1¼"	11.3
		34635419	72 × 450 × 1¼"	11.3
		34657570	75 × 450 × 1¼"	11.3
		34652258	77 × 450 × 1¼"	11.3







## CD840 Wet drill bits for reinforced concrete

		Type no.	Dimension	Segment height
	HOHL1D	34235150	82 × 450 × 1¼"	11.3
		34235193	92 × 450 × 1¼"	11.3
		34233042	102 × 450 × 1¼"	11.3
		34235146	107 × 450 × 1¼"	11.3
		34239079	112 × 450 × 1¼"	11.3
		34235690	117 × 450 × 1¼"	11.3
		34239092	122 × 450 × 1¼"	11.3
		34235147	127 × 450 × 1¼"	11.3
		34235149	132 × 450 × 1¼"	11.3
		34239094	142 × 450 × 1¼"	11.3
		34233043	152 × 450 × 1¼"	11.3
		34239095	162 × 450 × 1¼"	11.3
		34239096	172 × 450 × 1¼"	11.3
		34239097	182 × 450 × 1¼"	11.3
		34233045	202 × 450 × 1¼"	11.3
		34239999	212 × 450 × 1¼"	11.3
		34240000	250 × 450 × 1¼"	11.3
		34240001	300 × 450 × 1¼"	11.3
		34240003	350 × 450 × 1¼"	11.3
		34240004	400 × 450 × 1¼"	11.3
		34240005	450 × 450 × 1¼"	11.3
		34240006	500 × 450 × 1¼"	11.3




## CD640 Wet drill bits for reinforced concrete



Drill motors up to 3 kW | medium-hard to very hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.


Segment height of 11.3 mm for a long lifetime, segment geometry for a high stock removal rate. Laser-welded segments up to Ø 300 mm for maximum safety.

		Type no.	Dimension	Segment height
	HOHL1D	34239204	47 × 450 × 1¼"	11.3
		34235195	52 × 450 × 1¼"	11.3
		34239032	57 × 450 × 1¼"	11.3
		34239056	62 × 450 × 1¼"	11.3
		34235196	67 × 450 × 1¼"	11.3
		34239057	72 × 450 × 1¼"	11.3
		34239058	82 × 450 × 1¼"	11.3
		34239059	92 × 450 × 1¼"	11.3
		34233006	102 × 450 × 1¼"	11.3
		34239060	107 × 450 × 1¼"	11.3







		Type no.	Dimension	Segment height
	HOHL1D	34239071	112 × 450 × 1¼"	11.3
		34239072	122 × 450 × 1¼"	11.3
		34447504	125 × 450 × 1¼"	11.3
		34239073	127 × 450 × 1¼"	11.3
		34239074	132 × 450 × 1¼"	11.3
		34239075	142 × 450 × 1¼"	11.3
		34233007	152 × 450 × 1¼"	11.3
		34239076	162 × 450 × 1¼"	11.3
		34239077	172 × 450 × 1¼"	11.3
		34239078	182 × 450 × 1¼"	11.3
		34233008	202 × 450 × 1¼"	11.3
		34239991	212 × 450 × 1¼"	11.3
		34297991	225 × 450 × 1¼"	11.3
		34239992	250 × 450 × 1¼"	11.3
		34239993	300 × 450 × 1¼"	11.3
		34239994	350 × 450 × 1¼"	11.3
		34239995	400 × 450 × 1¼"	11.3
		34239996	450 × 450 × 1¼"	11.3
		34239997	500 × 450 × 1¼"	11.3
		34471403	600 × 450 × 1¼"	11.3




### CD660 Wet drill bits for reinforced concrete



Drill motors up to 2,5 kW | soft concrete aggregate | high speed. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.


Segment height of 11.3 mm for a long lifetime, segment geometry for a high stock removal rate. Laser welded segments up to Ø 300 mm for maximum safety.

		Type no.	Dimension	Segment height
	HOHL1D	34239202	47 × 450 × 1¼"	11.3
		34238995	52 × 450 × 1¼"	11.3
		34238996	57 × 450 × 1¼"	11.3
		34238997	62 × 450 × 1¼"	11.3
		34238998	67 × 450 × 1¼"	11.3
		34238999	72 × 450 × 1¼"	11.3
		34239203	75 × 450 × 1¼"	11.3
		34239000	82 × 450 × 1¼"	11.3
		34239011	92 × 450 × 1¼"	11.3







	Type no.	Dimension	Segment height
	34233009	102 × 450 × 1¼"	11.3
	34239012	107 × 450 × 1¼"	11.3
	34239013	112 × 450 × 1¼"	11.3
	34239015	122 × 450 × 1¼"	11.3
	34239017	127 × 450 × 1¼"	11.3
	34239021	132 × 450 × 1¼"	11.3
	34239023	142 × 450 × 1¼"	11.3
	34233010	152 × 450 × 1¼"	11.3
	34239027	162 × 450 × 1¼"	11.3
	34239029	172 × 450 × 1¼"	11.3
	34239030	182 × 450 × 1¼"	11.3
	34233012	202 × 450 × 1¼"	11.3
	34239984	212 × 450 × 1¼"	11.3
	34239985	250 × 450 × 1¼"	11.3
	34239986	300 × 450 × 1¼"	11.3
	34239987	350 × 450 × 1¼"	11.3
	34239988	400 × 450 × 1¼"	11.3
	34239989	450 × 450 × 1¼"	11.3
	34239990	500 × 450 × 1¼"	11.3




### CDL Wet drill bits for reinforced concrete



Drill motors up to 3 kW | soft to medium-hard concrete aggregates.  
Details: Quality tools for everyday use. An impressive drilling  
speed-lifetime ratio. Universal use, lasting quality.


Laser welded segments up to a diameter of 300 mm for maximum safety.

	Type no.	Dimension	Segment height
	HOHL3	475019	32 × 400 × R½"
		475024	42 × 450 × R½"
	HOHL1D	34292638	52 × 450 × 1¼"
		34292640	62 × 450 × 1¼"
		34292816	72 × 450 × 1¼"
		34292820	82 × 450 × 1¼"
		34292821	92 × 450 × 1¼"
		34292823	102 × 450 × 1¼"
		34292824	107 × 450 × 1¼"







	Type no.	Dimension	Segment height
	34292826	112 × 450 × 1¼"	11.3
	34292827	122 × 450 × 1¼"	11.3
	34292828	127 × 450 × 1¼"	11.3
	34292829	132 × 450 × 1¼"	11.3
	34292830	142 × 450 × 1¼"	11.3
	34292831	152 × 450 × 1¼"	11.3
	34292832	162 × 450 × 1¼"	11.3
	34292833	182 × 450 × 1¼"	11.3
	34292834	202 × 450 × 1¼"	11.3
	34292835	250 × 450 × 1¼"	11.3




**CDM Wet drill bits**  
for reinforced concrete



Drill motors up to 3 kW | medium-hard to hard concrete aggregates.

Laser welded segments up to a diameter of 300 mm for maximum safety.

Details: Quality tools for everyday use. an impressive drilling speed-lifetime ratio. Universal use, lasting quality.

	Type no.	Dimension	Segment height	
	HOHL1D	34293083	52 × 450 × 1¼"	11.3
		34293087	62 × 450 × 1¼"	11.3
		34293089	72 × 450 × 1¼"	11.3
		34293111	82 × 450 × 1¼"	11.3
		34293115	92 × 450 × 1¼"	11.3
		34293116	102 × 450 × 1¼"	11.3
		34293120	107 × 450 × 1¼"	11.3
		34293122	112 × 450 × 1¼"	11.3
		34293124	122 × 450 × 1¼"	11.3
		34293125	127 × 450 × 1¼"	11.3
		34293129	132 × 450 × 1¼"	11.3
		34293130	142 × 450 × 1¼"	11.3
		34293132	152 × 450 × 1¼"	11.3
		34293137	162 × 450 × 1¼"	11.3
		34293139	182 × 450 × 1¼"	11.3
		34293140	202 × 450 × 1¼"	11.3
		34293149	250 × 450 × 1¼"	11.3
		34334960	300 × 450 × 1¼"	11.3






**B1 Wet drill bits**  
for reinforced concrete



Drill motors up to 2,5 kW | soft concrete aggregate. Quality tools for every-day use. Segment height of 11.3 mm for improved lifetime. Laser welded segments up to Ø 300 mm for maximum safety.

		Type no.	Dimension	Segment height
	HOHL1D	34239241	47 × 450 × 1¼"	11.3
		34239244	52 × 450 × 1¼"	11.3
		34239245	57 × 450 × 1¼"	11.3
		34206245	62 × 450 × 1¼"	11.3
		34206246	67 × 450 × 1¼"	11.3
		34239181	72 × 450 × 1¼"	11.3
		34206248	77 × 450 × 1¼"	11.3
		34206249	82 × 450 × 1¼"	11.3
		34239183	92 × 450 × 1¼"	11.3
		34203877	102 × 450 × 1¼"	11.3
		34206261	107 × 450 × 1¼"	11.3
		34206262	112 × 450 × 1¼"	11.3
		34206263	122 × 450 × 1¼"	11.3
		34239093	127 × 450 × 1¼"	11.3
		34206265	132 × 450 × 1¼"	11.3
		34239186	142 × 450 × 1¼"	11.3
		34239187	152 × 450 × 1¼"	11.3
		34206267	162 × 450 × 1¼"	11.3
		34239188	172 × 450 × 1¼"	11.3
		34206269	182 × 450 × 1¼"	11.3
		34239189	202 × 450 × 1¼"	11.3
		34240086	212 × 450 × 1¼"	11.3
		34240087	250 × 450 × 1¼"	11.3







Accessories wet drill bits  
Adapter



		Type no.	Machine connection	Tool connection
	ADAPT	374035	1¼" Female	R½" Female
		381983	R½" Male	1¼" Male
		462700	HT 1.5 Female	1¼" Male
		681095	HT 2 Female	1¼" Male
		759007	R½" Male	10
		909220	1¼" Female	3-LOCH
		745568	⅝" Male	R½" Male
		34631677	1¼" Female	GR-F
		34668425	1¼" Female	6-LOCH

Accessories wet drill bits  
Sharpening plates



		Type no.	Dimension
	SP1	497322	55 × 25 × 320
		484627	160 × 30 × 320
		484672	320 × 55 × 320



Scan the QR code and  
experience the re-sharpening of  
wet drill bits in action.

Accessories wet drill bits  
Carrying handle




		Type no.	Connection
		34277925	R½" and 1 ¼"



## Accessories wet drill bits

### Brazing magnets




		Type no.	Dimension	Description
	HMAG	529455	56 × 0.75 × 1	0.75 mm until Ø 300 mm 1.00 mm from Ø 300 mm
		529456	56 × 0.5 × 1.25	0.50 for thin walled carrier HOHL2 1.25 for segments > 5.5 mm

## Accessories wet drill bits

### Extensions




		Type no.	Length	Connection	Detail
	HVERL	378198	100	1¼"	Steel
		359471	200	1¼"	Steel
		749565	200	1¼"	Aluminium
		359472	300	1¼"	Steel
		749570	300	1¼"	Aluminium
		359473	400	1¼"	Steel
		749571	400	1¼"	Aluminium
		359474	500	1¼"	Steel
		909540	500	1¼"	Aluminium
		400439	100	R½"	Steel
		359475	200	R½"	Steel
		359476	300	R½"	Steel
		889232	400	R½"	Steel
		707230	500	R½"	Steel

## Accessories wet drill bits

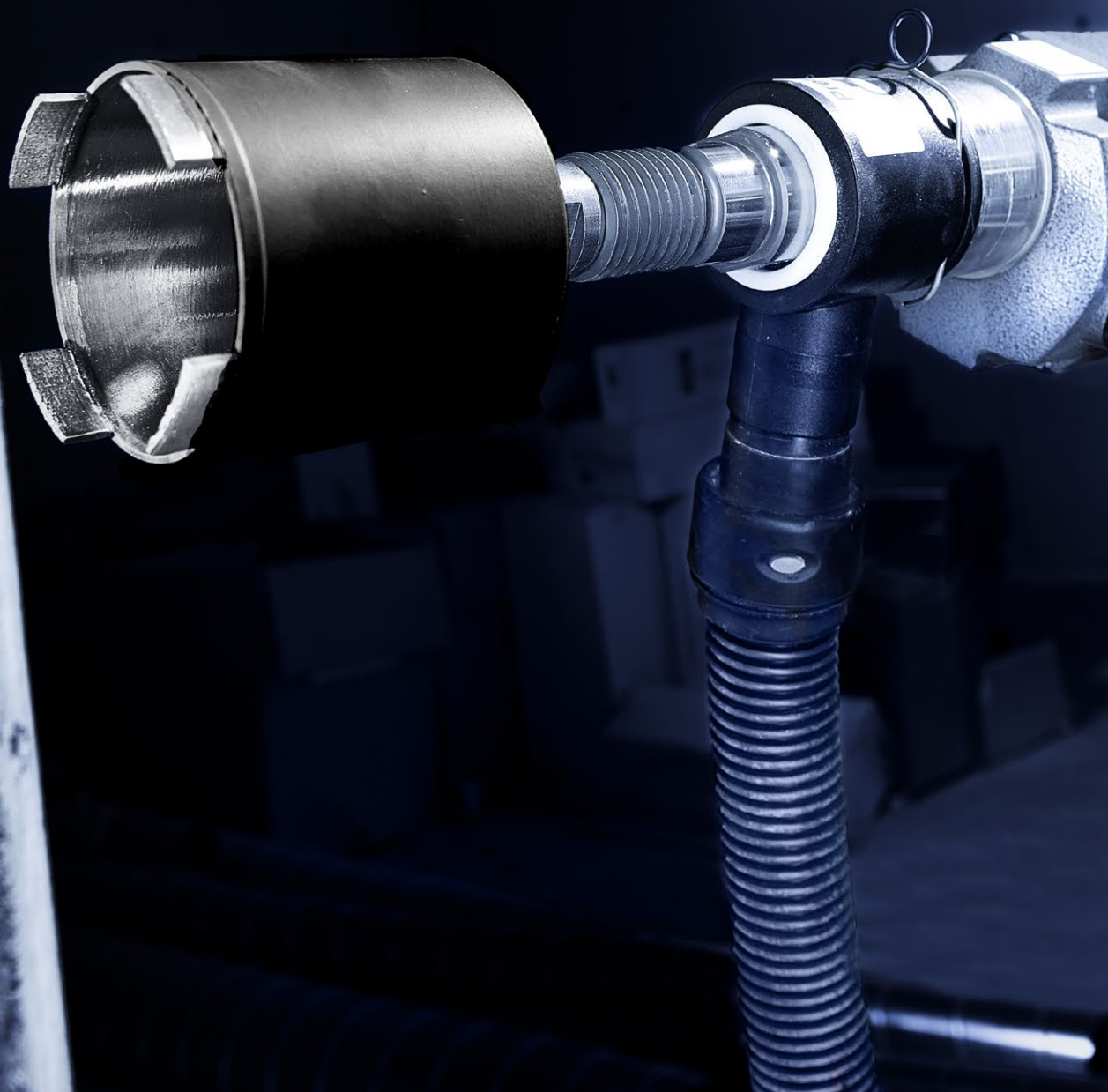
### Water liners



		Type number	Connection	Tool connection
	WSPB	478074	SW12	R½"



## Diamond dry drill bits







## Drill bits for dry drilling

Decades of experience in the production and application of core drill bits and core drill systems give Tyrolit the edge in the marketplace.

As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

construction site use. Especially suitable for drilling reinforced or normal concrete. Can be operated on a drill rig or hand-held.

Tyrolit core drill bits are designed to work perfectly with Tyrolit Hydrostress machines.



## Selecting the right dry drill bit

Diameter	≤ 82 mm	≥ 91 mm
approx. rpm [rpm]	2000 - 3000	1000 - 1500
Porous concrete (aerated concrete) Plastic piping (PVC, PP, PE) Lightweight refractory bricks Sandstone, porous natural stone Tiles Roofing tiles Clinkers Fine stoneware	without impact drilling	
Soft sand-lime blocks Bricks Lightweight concrete blocks Woodchip slabs and blocks Concrete blocks	Impact drilling recommended (no hammer drills!)	
Hard sand-lime blocks Terrazzo Concrete Lightly reinforced concrete	Impact drilling necessary (no hammer drills!)	

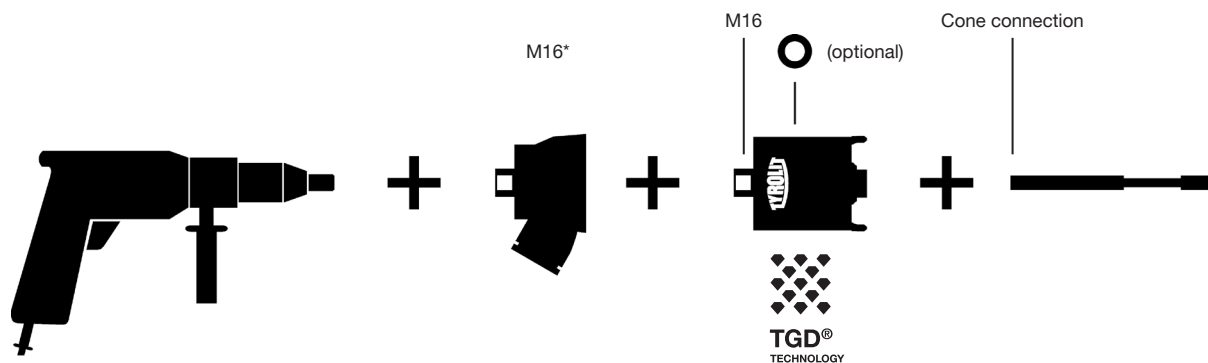
### Service

- + From a diameter of 82 mm onwards an additional distance washer is included for optional use of a vacuum-suction hood

### Information / Recommendations

- + For use with drilling motors within the range of 1 000–2 000 W with or without soft impact
- + Do not use rotary percussion drills as it will destroy the tool
- + Observe the safety and user instructions shipped with the tool
- + On request these safety instructions may also be sent separately

## Dry drilling with compact universal dust extraction system



\*Adapter suitable for all common machines (5/8", HEX SW12, SDS, M18) see page 145.



# Dry drilling in reinforced concrete

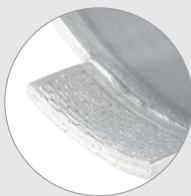
When it comes to dry drilling, the Tyrolit experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The Tyrolit dry drilling system is the first commercial system on the market that ensures easy and cost-efficient drilling in reinforced concrete.

## One of a kind

- + Easy operation
- + Clean working without a compressor
- + Inexpensive
- + Excellent results in reinforced concrete

## Tyrolit dry drill bits in TGD® Technology

- + Durable, laser-welded segments
- + Ideal for drilling reinforced concrete
- + Large choice of usable lengths and diameters
- + Short lengths for hand-guided drilling



TGD® dry drill bits reliably drill reinforced concrete without deformation.



## Drill motor DME19DP

- + Switchable soft impact function and 1 ¼" and ½" attachments
- + Soft start system and LED monitoring display for optimum drilling speed
- + Centring aid for precise drill bit guidance





# System & Accessories

## System & Accessories

Drill motor DME19DP	
10988200	Drill motor DME19DP (230V)
10990100	Drill rig DRU160 dry
10995437	Drill bit centring for DRU160
10995156	Dust extraction connection 1/2"
10995087	ModulDrill™ clamping collar adapter plate

## Accessories

10995373	Centring spike 450 mm
10997916	Centring spike 250 mm
10995661	Centring blade Ø 52 mm
10995662	Centring blade Ø 62 mm
10995663	Centring blade Ø 68 mm
10995664	Centring blade Ø 72 mm
10995665	Centring blade Ø 82 mm
10995666	Centring blade Ø 92 mm
10995667	Centring blade Ø 102 mm
10995668	Centring blade Ø 112 mm
10995669	Centring blade Ø 122 mm
10995670	Centring blade Ø 127 mm
10995671	Centring blade Ø 132 mm
10995672	Centring blade Ø 142 mm
10995673	Centring blade Ø 152 mm
10995674	Centring blade Ø 162 mm
961955	Adapter ½" > M16
10994032	Adapter 1 ¼" > M16
10983964	Dust extraction adapter M16
10983845	Centring spike 140 mm
10986189	Centring spike 233 mm
10986190	Strap wrench
497322	Sharpening plate
980304	Chisel 300 × 25 mm
34215616	Abrasive grain for dry drilling
11002426	Dry vacuum cleaner BBS 606 L (230 V)

## Accessories

976014	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete





## DDL-RM Dry drill bits

for reinforced concrete | in TGD® Technology

- + **Consistently very fast cutting performance and noticeable smooth running** with TGD® Technology (TYROLIT GRAIN DISTRIBUTION), a unique technology developed by Tyrolit for the optimised distribution of grain.



- + **Ideal for rig-guided dry drilling.**

- + **Very long lifetime.**


In conjunction with the DME19DP drill motor, the dry drill bits in TGD® Technology are the perfect solution

for rig-guided dry drilling applications in reinforced concrete.



### DDL-RM Dry drill bits for reinforced concrete | in TGD® Technology



	Type no.	Dimension	Segment height
	HOHLT	34227784	47 × 450 × 1¼" 11.3
		34203041	52 × 450 × 1¼" 11.3
		34203212	57 × 450 × 1¼" 11.3
		34220540	62 × 450 × 1¼" 11.3
		34252978	72 × 450 × 1¼" 11.3
		34210273	82 × 450 × 1¼" 11.3
		34290041	92 × 450 × 1¼" 11.3
		34203220	102 × 450 × 1¼" 11.3
		34279921	107 × 450 × 1¼" 11.3
		34267610	112 × 450 × 1¼" 11.3
		34220543	122 × 450 × 1¼" 11.3
		34227727	132 × 450 × 1¼" 11.3
		34227728*	142 × 450 × 1¼" 11.3
		34227729*	152 × 450 × 1¼" 11.3
		34227730*	162 × 450 × 1¼" 11.3

DDL-RM larger than Ø 162 mm on request

\*reinforced concrete is conditionally recommended






## DDL-HH-FAST CUT Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology



The fastest, longest and lightest Tyrolit dry drill bit for hand-guided applications. The thread form of the steel tubes enables easy removal of the drilling dust via the extraction system. Spiral grooves ensure a noticeable weight reduction. Furthermore, the dry drill bits are specially

adapted to core drilling with soft-impact function and therefore in combination with the Tyrolit DME19DP drill motor the perfect solution for hand-guided dry drilling applications.

		Type no.	Dimension	Segment height
	HOHLT	34583850	47 × 320 × 1¼"	11.3
		34583851	52 × 320 × 1¼"	11.3
		34583853	62 × 320 × 1¼"	11.3
		34583854	68 × 320 × 1¼"	11.3
		34583855	72 × 320 × 1¼"	11.3
		34583857	82 × 320 × 1¼"	11.3
		34583858	92 × 320 × 1¼"	11.3
		34583616	102 × 320 × 1¼"	11.3
		34585037	107 × 320 × 1¼"	11.3
		34583825	112 × 320 × 1¼"	11.3
		34583827	122 × 320 × 1¼"	11.3
		34583829	127 × 320 × 1¼"	11.3
		34583830	132 × 320 × 1¼"	11.3
		34583842	138 × 320 × 1¼"	11.3
		34583843	142 × 320 × 1¼"	11.3
		34583844	152 × 320 × 1¼"	11.3
		34583845	162 × 320 × 1¼"	11.3
		34583846	172 × 320 × 1¼"	11.3
		34583847	182 × 320 × 1¼"	11.3
		34585040	187 × 320 × 1¼"	11.3
		34583849	202 × 320 × 1¼"	11.3




## DDM-HH-FAST CUT Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology



The fastest, longest and lightest Tyrolit dry drill bit for hand-guided applications. The thread form of the steel tubes enables easy removal of the drilling dust via the extraction system. Spiral grooves ensure a noticeable weight reduction. Furthermore, the dry drill bits are specially adapted to


core drilling with soft-impact function and therefore in combination with the Tyrolit DME19DP drill motor the ideal solution for hand-guided dry drilling applications with longer life time than the DDL-HH-FAST CUT.

		Type no.	Dimension	Segment height
	HOHLT	34583859	47 × 320 × 1¼"	11.3
		34583860	52 × 320 × 1¼"	11.3
		34583862	62 × 320 × 1¼"	11.3
		34583863	68 × 320 × 1¼"	11.3
		34583864	72 × 320 × 1¼"	11.3
		34583866	82 × 320 × 1¼"	11.3
		34583867	92 × 320 × 1¼"	11.3
		34583869	102 × 320 × 1¼"	11.3
		34583861	107 × 320 × 1¼"	11.3
		34583881	112 × 320 × 1¼"	11.3







	Type no.	Dimension	Segment height
	34583883	122 × 320 × 1¼"	11.3
	34583885	127 × 320 × 1¼"	11.3
	34583886	132 × 320 × 1¼"	11.3
	34583888	138 × 320 × 1¼"	11.3
	34583889	142 × 320 × 1¼"	11.3
	34583891	152 × 320 × 1¼"	11.3
	34583892	162 × 320 × 1¼"	11.3
	34583894	172 × 320 × 1¼"	11.3
	34583895	182 × 320 × 1¼"	11.3
	34585039	187 × 320 × 1¼"	11.3
	34583897	202 × 320 × 1¼"	11.3




### DDL-HH Dry drill bits for lightly reinforced concrete & masonry | in TGD® Technology



The PREMIUM dry drill bit for hand-guided drilling impresses in many respects. Now available with an extended length of 280 mm as well as with improved segments for the highest safety requirements.

With TGD® Technology, a unique technology developed by Tyrolit for the optimised distribution of grain.

	Type no.	Dimension	Segment height	
	HOHLT	34482398	52 × 280 × 1¼"	11.3
		34482399	62 × 280 × 1¼"	11.3
		34482400	68 × 280 × 1¼"	11.3
		34482411	72 × 280 × 1¼"	11.3
		34482412	82 × 280 × 1¼"	11.3
		34482413	92 × 280 × 1¼"	11.3
		34482414	102 × 280 × 1¼"	11.3
		34482415	107 × 280 × 1¼"	11.3
		34482416	112 × 280 × 1¼"	11.3
		34482417	122 × 280 × 1¼"	11.3
		34482418	127 × 280 × 1¼"	11.3
		34482419	132 × 280 × 1¼"	11.3
		34482420	138 × 280 × 1¼"	11.3
		34482431	142 × 280 × 1¼"	11.3
		34482433	152 × 280 × 1¼"	11.3
		34482438	161 × 280 × 1¼"	11.3
		34482439	172 × 280 × 1¼"	11.3
		34482440	182 × 280 × 1¼"	11.3
		34482441	187 × 280 × 1¼"	11.3
		34482442	202 × 280 × 1¼"	11.3
		34626362	225 × 280 × 1¼"	11.3






## DDL Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology



The newly developed PREMIUM dry drill bit for hand-guided drilling impresses in many respects.

With TGD® Technology, a unique technology developed by Tyrolit for the optimised distribution of grain.

		Type no.	Dimension	Segment height
	HOHLT	34418318	52 × 150 × M16	11.3
		34418319	57 × 150 × M16	11.3
		34418373	62 × 150 × M16	11.3
		34418379	68 × 150 × M16	11.3
		34418382	72 × 150 × M16	11.3
		34418566	77 × 150 × M16	11.3
		34418317	82 × 150 × M16	11.3
		34209085	92 × 150 × M16	11.3
		34418385	102 × 150 × M16	11.3
		34418390	107 × 150 × M16	11.3
		34418402	112 × 150 × M16	11.3
		34418403	117 × 150 × M16	11.3
		34418544	122 × 150 × M16	11.3
		34418565	127 × 150 × M16	11.3
		34418549	132 × 150 × M16	11.3
		34418561	142 × 150 × M16	11.3
		34418563	152 × 150 × M16	11.3
		34418564	162 × 150 × M16	11.3
		34473190	172 × 150 × M16	11.3




## DDE Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology



Perfect tool for installing sockets and junction boxes as well as smaller breakthrough jobs.

		Type no.	Dimension	Segment height
	HOHLT	34201286	68 × 70 × M16	11.3
		34201288	82 × 70 × M16	11.3



The DDE dry drill bit in action.  
Scan the QR code & be amazed.




★★  
STANDARD

**DDL Dry drill bits**  
for lightly reinforced concrete & masonry



Quality tool for daily use, impressive performance and lifetime.


		Type no.	Dimension	Segment height
	HOHLT	899272	32 × 150 × M16	6.5
		899271	42 × 150 × M16	6.5
		252911	52 × 150 × M16	6.5
		252912	56 × 150 × M16	6.5
		252913	62 × 150 × M16	6.5
		252914	68 × 150 × M16	6.5
		252915	72 × 150 × M16	6.5
		252916	82 × 150 × M16	6.5
		252917	92 × 150 × M16	6.5
		252918	102 × 150 × M16	6.5
		252919	107 × 150 × M16	6.5
		34228775	111 × 150 × M16	6.5
		252920	117 × 150 × M16	6.5
		34228776	121 × 150 × M16	6.5
		252921	127 × 150 × M16	6.5
		34228777	131 × 150 × M16	6.5
		34228779	151 × 150 × M16	6.5
		252923	162 × 150 × M16	6.5
		252924	200 × 150 × M16	6.5

★  
BASIC

**DDL Dry drill bits**  
for lightly reinforced concrete & masonry



Tool for installing sockets and junction boxes as well as smaller breakthrough jobs.

		Type no.	Dimension	Segment height
	HOHLT	650292	68 × 70 × M16	6.5
		34445860	72 × 70 × M16	6.5
		650293	82 × 70 × M16	6.5



## Accessories dry drill bits

Adapter suitable for all commercial machines -  
with and without soft impact function






	Type no.	Machine connection	Drill bit connection	Total length/Pilot drills/ Centering spikes	Comment
	850026	5/8"	M16 Male	Length 100 mm Pilot drill SDS	
	762477	5/8" M16	M16 Male	Length 85 mm Pilot drill SDS	
	850011	HEX SW12-SDS	M16 Male	Length 115 mm Pilot drill SDS	
	762471	HEX SW12-SDS	M16 Male	Length 120 mm Pilot drill SDS	
	116264	HEX SW12	M16 Male	Length 90 mm Pilot drill Konus	
	707824	5/8"	M16 Male	Length 75 mm Centering spike 120/233 mm	
	707827	HEX SW12	M16 Male	Length 100 mm Centering spike 120/233 mm	
	707831	SDS	M16 Male	Length 100 mm Centering spike 120/233 mm	
	707834	M18	M16 Male	Length 75 mm Centering spike 120/233 mm	
	718330	5/8"	M16 Male	Length 300 mm	Extension
	718329	5/8"	M16 Male	Length 450 mm	Extension
	718324	HEX SW12	M16 Male	Length 300 mm	Extension



## Accessories dry drill bits

### Compact universal dust extraction system



	Type no.	Description	Product info
	10983964	Dust extraction adapter with M16 connection	For attaching an industrial vacuum cleaner
	10983845	Centering spike 140 mm	Core drill UL 60/70 mm only for 10983964
	10986189	Centering spike 233 mm	DME19 Core drill UL 150 mm





## Accessories dry drill bits

## Centring aids



	Type no.	Description	Product info	Comment
	10999819	Centering spike 120 mm	Core drill UL 60/70 mm	
	10986189	Centering spike 233 mm	DME19 Core drill UL 150 mm	
	10997916	Centering spike	DME19 Core drill UL 250 mm	Centering insert
	10995373	Centering spike	DME19 Core drill UL 450 mm	Centering insert
	10985334	Centering spike	DME17 Core drill UL 250-350 mm	
	10984446	Centering spike	DME17 Core drill UL 450 mm	
	579420	Pilot drill SDS 160 mm	Core drill UL 60/70 mm	
	579424	Pilot drill SDS 260 mm	Core drill UL 150 mm	
	116263	Pilot drill Konus 160 mm only for adapter 116264	Core drill UL 60/70 mm	
	34196387	Pilot drill 7 × 100 mm		
	579503	Centering shaft SDS 250 mm	Core drill UL 150 mm	
	762456	Pilot drill 8 × 230 × SDS-PLUS		
	11008236 11008234	Centering spike	DME20PU Core drill NL 300 mm DME20PW Core drill NL 300 mm	
	11008237 11008235	Centering spike	DME20PU Core drill NL 450 mm DME20PW Core drill NL 400–450 mm	


UL = usage length



## Accessories dry drill bits

### Centring blade




	Type no.	Description	Product info
	11002083	Centering insert	Ø 172 mm
	11002084	Centering insert	Ø 182 mm
	11002085	Centering insert	Ø 192 mm
	11002086	Centering insert	Ø 202 mm
	11002087	Centering insert	Ø 252 mm

Centring blades for diameters Ø 52 mm - Ø 162 mm, see drill motor DME19DP on p. 139.

## Accessories dry drill bits

### Abrasive grain



	Type no.	Description	Product info
	34215616	Drilling Booster	Loose abrasive grain for sharpening during the application.

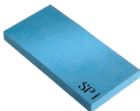


Scan the QR code and see the abrasive grain in action.

## Accessories dry drill bits

### Sharpening plate



	Type no.	Dimension
	497322	55 × 25 × 320
	484627	160 × 30 × 320
	484672	320 × 55 × 320



Scan QR code and see the re-sharpening of dry core bits in action.



## Tile drilling





## Maximum drilling comfort and universal use

Tyrolit tile drills are high-quality tools that have been specially developed for clean drilling of tiles and ceramics. These diamond drill bits offer maximum drilling comfort and are suitable for both wet and dry application. They can be used universally and are perfect for use in sanitary areas.

### WDT

The WDT tile drill bits have been specially developed for wet applications on tiles and ceramics.

### DDT

DDT tile drills have been designed for dry applications and are ideal for water-free drilling in combination with the Cool Gel. The Cool Gel ensures optimal cooling of the drill bit and prevents overheating.

### DDT PARAFFIN

DDT PARAFFIN are diamond tile drill bits that are filled with paraffin. The paraffin melts during the drilling process and cools the drill bit. It is important to remove the drill core immediately after application to prevent overheating.





# WDT Tile drills

for tiles and ceramic materials

+ **Maximum drilling comfort**  
thanks to optimised moistening  
of the diamonds with water and  
easy core removal.

+ **Fast, accurate drilling**  
no edge chipping.



+ **Universal use**  
for ceramictiles, fine stoneware  
and marble slabs.

Tyrolit vacuum brazed diamond cor-  
ing bit for all ceramic tiles, fine stone-  
ware and marble slabs. Maximum

drilling comfort, suitable for universal  
use with M14 connection for angle  
grinders, and adapter for drilling


machines. Suitable for dry and wet  
drilling. Perfect, chip-free drilling in  
tiled and sanitary areas.

## Tile drilling wet



**WDT Tile drills**  
for tiles and ceramic materials



		Type number	Dimension	Segment height
	HOHLT	34180136	5 × 35 × HEX	4
		69833	6 × 35 × HEX	4
		69848	8 × 35 × HEX	4
		69855	10 × 35 × HEX	4
		69856	12 × 35 × HEX	4
		69860	14 × 35 × HEX	4
		34562087	16 × 35 × HEX	4







## Tile drilling dry



### DDT Tile drills


for tiles and ceramic materials | only use with Cool Gel



		Type number	Dimension	Segment height	
	HOHLT	34710023	6 x 35 x M14	10	
		34710024	8 x 35 x M14	10	
		34710025	10 x 35 x M14	10	
		34710026	12 x 35 x M14	10	
	HOHLT	34709987	5 x 67 x HEX	10	
		34709988	6 x 67 x HEX	10	
		34709989	8 x 80 x HEX	10	
		34709990	10 x 80 x HEX	10	
		34710021	12 x 80 x HEX	10	
		34710022	14 x 80 x HEX	10	

NEW

### Cool Gel


	Type number	Information
	34703098	COOL GEL Tile drilling dry 75 ml





## DDT Tile drills for tiles and ceramic materials





		Type number new	Type number old	Dimension	Segment height
	HOHLT	34683099	69769	20 × 45 × M14	4
		34683100	34214903	25 × 45 × M14	4
		34683111	34214904	35 × 45 × M14	4
		34683112	69768	38 × 45 × M14	4
		34683113	34214905	42 × 45 × M14	4
		34683114	69767	52 × 45 × M14	4
		34683115	34369203	54 × 45 × M14	4
		34683124	34375403	57 × 45 × M14	4
		34683116	69766	65 × 45 × M14	4
		34683117	34369204	68 × 45 × M14	4
		34683118	51392	75 × 45 × M14	4
		34683119	34369205	82 × 45 × M14	4



## DDT Tile drills with paraffin for tiles and ceramic materials




		Type number new	Type number old	Dimension	Segment height
	HOHLT	34682877	34251679	6 × 35 × M14	10
		34682878	34251680	8 × 35 × M14	10
		34682879	34251711	10 × 35 × M14	10
		34682880	34251712	12 × 35 × M14	10
	HOHLT	34682830	34393075	5 × 67 × HEX	10
		34682871	34393071	6 × 67 × HEX	10
		34682872	34393072	8 × 80 × HEX	10
		34682873	34393073	10 × 80 × HEX	10
		34682875	34393074	12 × 80 × HEX	10
		34682876	34393076	14 × 80 × HEX	10



## Tile drill sets


### ★★★ PREMIUM WDT Tile drill-set HEX Ø 5–14 for tiles and ceramic materials



	Type No.	Content
	34215809	Tile drills Ø 5, 6, 8, 10, 12, 14 mm
		Allen key


### ★★★ PREMIUM DDT Tile drill-Set HEX Ø 5-14 with paraffin for tiles and ceramic materials



	Type No.	Content
	HOHLT 34393131	Tile drills Ø 5, 6, 8, 10, 12, 14 mm
		Allen key


### ★★★ PREMIUM DDT Tile drill-Set HEX Ø 6+8 with paraffin for tiles and ceramic materials



	Type No.	Content
	HOHLT 34403124	Tile drills 2 x Ø 6, 2 x Ø 8 mm

### ★★★ PREMIUM WDT Tile drill-Kit HEX for tiles and ceramic materials






	Type No.	Content
	34215843	Tile drills Ø 5, 6, 8, 10, 12, 14 mm
		Water bottle 1 l (Type No. 34215846)
		Drilling aid (Type No. 34215847)
		Allen key



★★★  
PREMIUM



**DDT Tile drill-set M14 Ø 20+**  
for tiles and ceramic materials




	Type No.	Content
	HOHLT 34229331	Tile drills Ø 20, 25, 35, 38, 42, 52, 65, 75 mm
		Adapter M14/HEX, M14/SDS
		Allen key
		Pilot drill 7 x 110
		Open ended spanner SW19

★★★  
PREMIUM






**DDT Tile drill-set M14**  
for tiles and ceramic materials




	Type no.	Content
	34294535	Tile drills Ø 6, 8, 10, 12, 20, 25, 35 mm Wrench


★★★  
PREMIUM


**WDT and DDT Tile drill-set XL**  
for tiles and ceramic materials



	Type no.	Content
	34245899	Tile drills HEX wet Ø 5, 6, 8, 10, 12, 14 mm
		Tile drills M14 dry Ø 20, 38, 52, 65, 75 mm
		69774 SDS Adapter on request
		69801 HEX Adapter on request
		Center Drill Ø 7
		Open-ended spanner SW 19
		Hex key
		34215846 1 l Water bottle (hose included)
		34215847 Drilling aid

**Accessories tile drill bits**



	Type No.	Machine connection	Content
	69774	SDS	Pilot drill Konus
	69801	HEX	Pilot drill Konus
	34215847		Drilling aid
	34215846		Water bottle 1 l
































# Machines






# Selecting guide for core drill systems

	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DME19DP	1.8	 	52	162	 DRU160
 DME17DP	2.0	 	30	200	 DRU160
 DME20PU	2.0	  	15	180	 DRU160
 DME20PW	2.0	 	15	180	 DRU160
 DME20CW	2.0		15	180	 DRU160
 DME22SU	2.2	  	20	180	 DRA150














 wet

 dry

 also handheld













Accessories

												
Adaptor M16	Dust vacuum adaptor dry, M16	Centering spike	Vacuum fixing	Fastening bolt assembly	Quick grip device	Ceiling prop	Watertank	Water retention ring	Extension	ModulDrill™-distance plate	Antifriction-Element	Trolley chassis
●	●	●	●	●						●		
●	●	●	●	●						●		
		●	●	●	●		●	●	●		●	
		●	●	●	●		●	●	●		●	
			●	●	●		●	●	●		●	
	●	●	●	●			●	●	●			





















	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DRS162	2.5		40	160	integrated
 DRS250	2.5		50	250	integrated
 DME26MW   DME26UW	2.6		50	250	 DRU / DRA250
 DME32MW   DME32UW	3.2		50	350	 DRU / DRA400

 wet

 dry

 also handheld



 Adaptor M16	 Dust vacuum adaptor dry, M16	 Centering spike	 Vacuum fixing	 Fastening bolt assembly	 Quick grip device	 Celling prop	 Watertank	 Water retention ring	 Extension	 ModulDrill™- distance plate	 Antifriction- Element	 Trolley chassis
			●	●			●		●		●	
			●	●	●		●		●		●	●
			●	●	●	●	●	●	●	●	●	●
			●	●	●	●	●	●	●	●	●	●





## Drill motor DME19DP

Core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

The DME19DP in conjunction with Tyrolit TGD® dry drill bits is the solution for dry drilling applications in reinforced concrete. The practical centring aid ensures precise drill bit guidance and a longer diamond

tool lifetime. Switchable soft impact function accelerates work progress, particularly in hard materials. The soft start and the LED indicator aid the user in selecting the optimal drilling speed.



# System & Accessories

## Technical data

Drill motor DME19DP		
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz
Type no.	10988200	10988700
Drill diameter range	52–162 mm	
Max. drill diameter in reinforced concrete	122 mm	
Nominal power	1.8 kW	
Speed	1 150 rpm	
Impact frequency	28 000/min	
Motor cooling	Air	
Tool attachment	1 ¼" and R ½"	
Operation	Hand-held / rig-based	
Application	Dry	
Electronic overload cut-out	•	
Mechanical overload cut-out	•	
Drill rig attachment	Clamping collar 60 mm	

## Dimensions & Weight

Length	510 mm
Width	95 mm
Height	170 mm
Weight	5.2 kg

## Accessories

976014	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

## System & Accessories

Drill motor DME19DP	
10990100	Dry drill rig DRU160
10995437	Centering device for DRU160
10995156	Core stop ½"
10995087	ModulDrill™ clamping collar plate
11002426	Vacuum cleaner BBS 606 L

## Accessories

10997916	Centering spike 250 mm
10995373	Centering spike 450 mm
10995661	Centering insert Ø 52 mm
10995662	Centering insert Ø 62 mm
10995663	Centering insert Ø 68 mm
10995664	Centering insert Ø 72 mm
10995665	Centering insert Ø 82 mm
10995666	Centering insert Ø 92 mm
10995667	Centering insert Ø 102 mm
10995668	Centering insert Ø 112 mm
10995669	Centering insert Ø 122 mm
10995670	Centering insert Ø 127 mm
10995671	Centering insert Ø 132 mm
10995672	Centering insert Ø 142 mm
10995673	Centering insert Ø 152 mm
10995674	Centering insert Ø 162 mm
961955	Adaptor ½" > M16
10994032	Adaptor 1 ¼" > M16
10983964	Dust vacuum adaptor M16
10983845	Centering spike 140 mm
10986189	Centering spike 233 mm
497322	Sharpening plate
980304	Chisel 300 x 25 mm
34215616	Abrasive grain for dry drilling





## Drill motor DME17DP

Core drilling up to Ø 200 mm



2-speed transmission with switchable soft impact for optimal drilling performance



Integrated dust extraction for a clean working environment



Can be hand-held or drill-rig guided

The DME17 is a 2-speed dry drill motor for drilling diameters up to 200 mm. The powerful 2.0 kW motor, in combination with the switchable soft impact, enhances the drilling performance in reinforced concrete and in other hard materials. The machine can be both hand-held and drill-rig operated. The compact

design, low weight and integrated dust extraction system makes the core drill very user-friendly. This model is unique in that it is available in three speed versions (standard, slow and quick) and thus optimally covers the most varied of customer needs.



# System & Accessories

## Technical data

Drill motor	DME17DP	DME17DP-L	DME17DP-S
Nominal voltage/frequency		230 V/50-60 Hz	
Type no.	11000001	11000002	11000003
Drill diameter range	30-180 mm	40-200 mm	30-120 mm
Max. drill diameter in reinforced concrete	150 mm	180 mm	100 mm
Nominal power		2.0 kW	
Speed	700/1700 rpm	540/1200 rpm	900/1,700 rpm
Impact frequency	14,000/34,000 rpm	10,800/24,000 rpm	16,200/30,600 rpm
Motor cooling		Air	
Tool attachment		1 ¼"	
Operation		Hand-held / rig-based	
Application		Dry	
Electronic overload cut-out		•	
Mechanical overload cut-out		•	
Drill rig attachment		Clamping collar 60 mm	

## Dimensions & weight

Length	510 mm
Width	110 mm
Height	160 mm
Weight	5 kg

## System & Accessories

System & Accessories	
11000002	Drill motor DME17DP-L
10990100	Drill rig DRU160 dry
10995437	Drill bit centring for DRU160
10995087	ModulDrill™ clamping collar plate

Accessories	
10985334	Centering spike 250-350 mm
10984446	Centering spike 450 mm
10994032	Adapter 1 ¼" > M16
10983964	Dust extraction adapter M16
10983845	Centering spike 140 mm
10986189	Centering spike 233 mm
10986190	Strap wrench
497322	Sharpening plate
980304	Chisel 300 x 25 mm
34215616	Abrasive grain for dry drilling





## Drill motors

### DME20PW | DME20PU | DME20CW

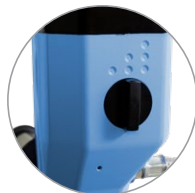
Core drilling up to Ø 180 mm



Compact, robust and ergonomic design



Performance and service indicator and levelling aid for easy working



Quick changeover between wet and dry drilling with DME20PU

The new generation of DME20 drill motors offers impressive drilling performance in the power segment up to 2 kW. The mechanical and electronic overload protection and the full metal housing ensure a high level of reliability. Built-in performance and service indicators and the levelling aid also enable simple operation.

The DME20 drill motors can be used universally and cover a wide range of applications: wet/dry and hand-held / rig-based (DME20PU), wet and hand-held / rig-based (DME20PW) and exclusively wet and rig-based (DME20CW).



# System & Accessories

## Technical data

Drill motors	DME20PW		DME20PU		DME20CW	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	11005500	11005502	11005505	11005506	11005510	11005511
Drill diameter range	15–180 mm					
Nominal power	2.0 kW					
Nominal current	9.3 A	18.6 A	9.3 A	18.6 A	9.3 A	18.6 A
Load speed	540 / 1200 / 2520 rpm					
No load speed	990 / 1900 / 3900 rpm					
Motor cooling	Air					
Tool attachment (external)	1 ¼"					
Tool attachment (internal)	½"					
Operation	Hand-held / rig-based			Rig-based		
Application	Wet		Wet / dry		Wet	
3-speed transmission with oil pump	•	•	•	•	•	•
Electric overload cut-out	•	•	•	•	•	•
Mechanical overload cut-out	•	•	•	•	•	•
PRCD protection switch	•		•		•	
Performance indicator	•	•	•	•	•	•
Service indicator	•	•	•	•	•	•
In transport case packed	•	•	•	•		
Drill rig attachment	Clamping collar 60 mm					

## Dimensions & Weight

Length	399 mm	422 mm	399 mm
Width	109 mm	109 mm	109 mm
Height	304 mm	304 mm	161 mm
Weight	6.6 kg	6.9 kg	6.3 kg

## System & Accessories

Core drilling system with DRU160 Drill rig	
11005500	Electric drill motor DME20PW
10987400	Drill rig DRU160
976014	Vacuum set
10999500	VPE600 Vacuum pump 230 V EU / CH
11000588	Fastening bolt assembly for vacuum base

## Accessories

400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
11008234	Centering spike 300 mm (DME20PW)
11008235	Centering spike 400-450 mm (DME20PW)
11008236	Centering spike 300 mm (DME20PU)
11008237	Centering spike 450 mm (DME20PU)
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984	Supporting ring alum. 1 ¼"





## Drill motor DME22SU

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

The DME22SU drill motor is ideal for electrical and installation work. It features a 3-speed transmission and variable speed setting with soft start.

Integrated overload cut-outs and the PRCD safety switch ensure safe working. Dry drilling is also possible with the included M16 adapter.



# System & Accessories

## Technical data

Drill motor DME22SU		
Voltage / Frequency	230 V / 50–60 Hz 110 V / 50–60 Hz	
Type no.	10993027	10993028
Drill diameter range	20–180 mm	
Nominal power	2.2 kW	
Nominal current	9.5 A	18 A
Load speed	400/750/1 550 rpm	
No load speed	850/1 650/3 450 rpm	
Motor cooling	Air	
Tool attachment (external)	1 ¼"	
Tool attachment (internal)	½"	
Operation	Hand-held / rig-based	
Application	Wet / dry	
Electronic overload cut-out	•	
Mechanical overload cut-out	•	
PRCD protection switch	•	
Drill rig attachment	Clamping collar 60 mm	

## Dimensions & Weight

Length	552 mm
Width	110 mm
Height	150 mm
Weight	6.0 kg

## System & Accessories

Core drilling system with DRU160 Drill rig	
10993027	Electric drill motor DME22SU
10987400	Drill rig DRU160
11002077	Fastening bolt assembly

## Accessories

400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
10983964	Dust vacuum adaptor M16
10983845	Centering spike 140 mm
10986189	Centering spike 233 mm
10986190	Strap wrench





## Drill motors DME26MW | DME26UW

Core drilling up to Ø 250 mm



Compact, robust and ergonomic design



Performance and service indicator, levelling aid and drilling mode selection



Various drill rig attachments: Module Drill™ or universal plate

The DME26 with its powerful 2.6 kW motor is ideal for core drilling up to 250 mm. The 3-speed transmission together with additional speed control (starting and iron mode) ensure optimum drilling speed. The mechanical and electronic overload cut-out and the full metal housing

guarantee high reliability. Built-in performance and service indicators and the levelling aid also make the control panel easy to use. The DME26 is available with various drill rig attachments (Module Drill™ quick clamping system or universal plate).



# System & Accessories

## Technical data

Drill motors	DME26MW		DME26UW	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	11005520	11005521	11005525	11005527
Drill diameter range	40–250 mm			
Nominal power	2.6 kW			
Nominal current	12.3 A	24.6 A	12.3 A	24.6 A
Load speed	320/630/980 rpm			
No load speed	550/1 070/1 630 rpm			
Motor cooling	Air			
Tool attachment	1 ¼"			
Operation	Rig-based			
Application	Wet			
3-speed transmission with oil pump	•			
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•		•	
Performance indicator	•			
Service indicator	•			
Drill and iron mode	•			
Drill rig attachment	ModulDrill™		Universal plate	

## Dimensions & Weight

Length	540 mm			
Width	156 mm			
Height	184 mm	176 mm	184 mm	176 mm
Weight	13.1 kg	12.8 kg	13.1 kg	12.8 kg

## System & Accessories

Core drilling system with drill rig DRU250	
11005520	Electric drill motor DME26MW
10984500	Drill rig DRU250
960795	Vacuum set
975381	Vacuum hose 3 m complete
10999500	VPE600 Vacuum pump 230V EU/CH
Accessories	
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
969138	Adapter 1 ¼" external – ½" internal
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
10983993	Easy release element





## Drill motors DME32MW | DME32UW

Core drilling up to Ø 350 mm



New, compact, robust and ergonomic design



Various drill rig attachments:  
Module Drill™ or universal  
plate



Performance and service  
indicator, levelling aid and  
drilling mode selection

The DME32 drill motor in the 3.2 kW power class combines excellent drilling performance with a compact design. The mechanical and electronic overload cut-out and the full metal housing guarantee high reliability. The built-in performance and service indicator and levelling aid also make it easy to control

the control panel. The 3-speed transmission together with additional speed control (on-drill and iron mode) ensure optimum drilling speed. The DME32 drill motor is available with the Modul Drill™ quick clamping system or universal plate drill rig attachments.



# System & Accessories

## Technical data

Drill motors	DME32MW		DME32UW	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	11005530	11005531	11005535	11005537
Drill diameter range	50–350 mm			
Nominal power	3.2 kW			
Nominal current	15 A	30 A	15 A	30 A
Load speed	230/460/720 rpm			
No load speed	420/820/1 250 rpm			
Motor cooling	Air			
Tool attachment	1 ¼"			
Operation	Rig-based			
Application	Wet			
3-speed transmission with oil pump	•			
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•		•	
Performance indicator	•			
Service indicator	•			
Drill and iron mode	•			
Drill rig attachment	ModulDrill™		Universal plate	

## Dimensions & Weight

Length	540 mm			
Width	156 mm			
Height	184 mm	176 mm	184 mm	176 mm
Weight	13.1 kg	12.8 kg	13.1 kg	12.8 kg

## System & Accessories

Core drilling system with drill rig DRA400	
11005530	Electric drill motor DME32MW
10987600	Drill rig DRA400
964906	ModulDrill™-Distance plate Ø +180 mm
11002077	Fastening bolt assembly
Accessories	
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
969138	Adapter 1 ¼" external – ½" internal
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
10992646	Easy release element



## Drill hammer DHE32

Universal drill hammer up to Ø 32 mm



900 W combi drill hammer for drilling, hammer drilling and chiselling



Quick tool change system for SDS Plus drill bits



Ideal for setting anchors

The 900-watt DHE32 combi drill hammer features drilling, hammer drilling, chiselling and chisel adjustment, making it the ideal all-rounder for minor chiselling work as well as setting anchors. This model is simple to use due to the

quick tool change system, tool-less drill chuck removal, accelerator switch and long-term operation option. It has a highly ergonomic design combining low vibrations with high impact energy and a non-rotating additional handle.



# System & Accessories

## Technical data

Max. drill Ø in concrete	32 mm
Max. drill Ø in masonry (HM drill bit)	82 mm
Max. drill Ø in steel	13 mm
Max. drill Ø in wood	32 mm
Tool attachment	SDS plus
Range of drill chuck	1.5–13 mm

## Drive

Drive / motor	Electric
Voltage / frequency	220-240 V/50-60 Hz
Motor power	900 W
No load speed	0–850/min
Idling stroke rate	0–3700/min
Max. single stroke impact energy	4.8 J

## Dimensions & weight

Length	400 mm
Width	86 mm
Height	235 mm
Weight	4.6 kg
Cable length	4 m

## System & Accessories

Drill hammer DHE32	
11002624	Drill hammer DHE32/230 V incl. 16 mm drill



## Vacuum pump VPE600

Ultimate vacuum up to 900 mbar



Two water separators with filters, easily accessible from the outside



Dedicated power cord holder

The VPE600 is our new powerful and reliable vacuum pump. It is based on a dry-running (oil-free) rotary vane pump, resulting in a decisive advantage of the device – it is maintenance-free. In addition, the pump is

equipped with an analog manometer, an illuminated on/off switch as well as a water separator with filter and is therefore ideally suited for daily construction site use.



# System & Accessories

## Technical data

Vacuum pump	VPE600	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz
Type no.	10999500	11002600
Nominal power	0.25 kW	0.30 kW
Nominal current	1.6 A	5.2 A
Ultimate vacuum	900 mbar	850 mbar
Air flow rate	6 m <sup>3</sup> /h	
Nominal speed	2800 rpm	3250 rpm
Protection class	IP54	
Connection nipple	CEJN R3/8"	

## Design

Dry running and oil-free	•
Integrated vacuum container	•
Water separator with overflow protection	•
Corrosion-protected contact surface	•
Built-in manometer	•

## Dimensions & Weight

Length	344 mm
Width	208 mm
Height	269 mm
Weight	12 kg

## System & Accessories

System & Accessories	
975381	Vacuum hose complete 3 m



## Battery water pressure tank WTE60

With 60 litres capacity



Battery-operated,  
compatible with 18 V  
Metabo / CAS batteries



Several operation modes  
for different applications



With practical transport  
function

The WTE60 is a large battery-operated water pressure tank with a 60 litre capacity. With its rechargeable battery and powerful brushless motor, it offers high pressure and delivery

performance with a long operating time. It has several operating modes, which are set to core drilling, cutting or cleaning. Its long transparent hose allows easy control of the water flow

and can be conveniently stored in the hose holder to save space. Its robust transport wheels make it mobile and flexible to use.



# System & Accessories

## Technical data

Water pressure tank		WTE60
Item no.		11006900
Battery type		18 V Li-Ion
Battery system		Metabo / CAS
Battery capacity		4.0 Ah
Battery charger		230 V 50/60 Hz
Max. filling quantity		62 l
Max. operating pressure		1.7 bar
Max. flow		approx. 20 l/min
Hose length		6.4 m
Hose diameter		10 mm

## Design

Four operating modes	•
Electric submersible pump	•
Brushless motor	•
Practical hose holder	•
Robust transport wheels	•
Incl. battery and charger	•

## Dimensions & Weight

Length	900 mm
Width	520 mm
Height	370 mm
Weight	11.2 kg

## System & Accessories

### Accessories

11009923	Spare Battery Metabo / CAS 18 V 4 Ah
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## Core drilling system DRS162

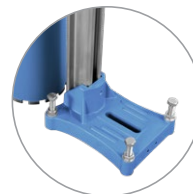
Core drilling up to Ø 162 mm



Powerful 2.5 kW Motor



One speed for drilling diameters up to 162 mm



Space-saving attachment facility via dowel foot

The DRS162 drill system is the ideal core drill entry model. The drill motor and drill rig complement each other perfectly and form a single unit. The preset speed and compact, lightweight construction guarantee easy

handling and user-friendliness. An integrated PRCD safety switch ensures maximum safety. Optional vacuum plate offers more flexibility in fixing the system.



# System & Accessories

## Technical data

Drill rig (integrated)	
Bore hole diameter	40–162 mm
Max. drill bit length	556 mm

Drill rig (integrated)	
Drill diameter range in concrete ca.	40–162 mm
Nominal power	2.5 kW
Nominal current	11.5 A
Nom. voltage / frequency standard	230 V / 50 Hz
Load speed	450 rpm
Cooling	Air cooling
Tool attachment external thread	1 ¼"
Tool attachment internal thread	½"
Operation	Drill rig operation
Application	Wet
Electronic overload cut-out	
Mechanical overload cut-out	
PRCD protection switch	

## Design

Aluminium dowel foot
Feed using hand crank
Adjustable feet (M12)
1 handle
Motor fixed integrated

## Dimensions & Weight

Length	365 mm
Width	185 mm
Height	855 mm
Weight (drilling system)	15.5 kg

## System & Accessories

Core drilling system DRS162	
10990700	Core drilling system DRS162 / 230 V (dowel feet)
10993966	Fastening bolt assembly

## Accessories

974270	Extraction device for core bits
977353	Extraction device for cores
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
11006900	Water pressure tank 60 l WTE60
10993961	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose complete 3 m





## Core drilling system DRS250

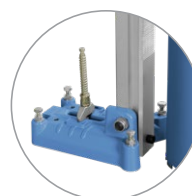
Core drilling up to Ø 250 mm



Drilling diameter up to 250 mm with 2-speed gearbox



Powerful 2.5 kW motor



Space-saving fixing option via dowel foot

The DRS250 drilling system combines simplicity with a large drill diameter range. The drill motor and drill rig complement each other and form a single unit. 2-speed oil bath gearbox insures perfect lubrication in all working positions, as well as optimal torque-to-speed

ratio. Compact and lightweight construction guarantees easy handling and user-friendliness. Mechanical overload clutch and integrated PRCD safety switch ensure maximum safety. Optional vacuum plate offers more flexibility in fixing the system.



# System & Accessories

## Technical data

Drill rig (integrated)	
Bore hole diameter	50 - 250 mm
Max. drill bit length	600 mm

Drill rig (integrated)	
Nominal power	2.5 kW
Nominal current	11.5 A
Nom. voltage / frequency	230 V / 50 - 60 Hz
Load speed	360 / 850 rpm
Cooling	Air cooling
Tool attachment	1 ¼"
Operation	Drill rig operation
Application	Wet
Mechanical overload cut-out	
PRCD protection switch	

## Design

Aluminium dowel foot
Feed using hand crank
Adjustable feet (M12)
Carrying handle
Detachable motor

## Dimensions & Weight

Length	295 mm
Width	195 mm
Height	1 069 mm
Weight (drilling system)	25.6 kg

## System & Accessories

Core drilling system DRS250	
10999880	Core drilling system DRS250 / 230 V (dowel feet)
10993966	Fastening bolt assembly

## Accessories

974270	Extraction device for core bits
977353	Extraction device for cores
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
11006900	Water pressure tank 60 l WTE60
975378	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose complete 3 m
11000617	Trolley chassis DRS250



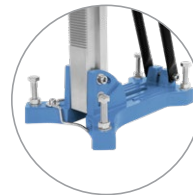


## Drill rig DRA150

Core drilling up to Ø 152 mm



Integrated centre indicator



Compact dowel foot



Optional vacuum plate

The DRA150 is extremely well-suited for electrical and installation work. This drill rig is suitable for 550 mm drill bits and angle drilling. A centre indicator, spirit level and carrying handle facilitate handling.



# System & Accessories

## Technical data

Drill rig DRA150	
Drill diameter range	20–152 mm
Max. drill bit length	550 mm

## Design

Dowel foot
Feed using hand crank
Diagonal adjustment 90°–45°
Centre indicator
Angle indicator
Spirit level
Adjustable feet
Handle
Clamping collar Ø 60 mm

## Dimensions & Weight

Length	330 mm
Width	240 mm
Height	950 mm
Weight	9.5 kg

## System & Accessories

Core drilling system with DRA150	
10993967	Drill rig DRA150
10993027	Electric drill motor DME22SU
10993966	Fastening bolt assembly

## Accessories

10993961	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
10993964	Water retention ring complete Ø 152 mm
10993965	Gasket Ø 152 mm
974270	Extraction device for core bits
977353	Extraction device for cores
11006900	Water pressure tank 60 l WTE60





## Drill rig DRU160

Core drilling up to Ø 160 mm



Precision work due to high quality support with sturdy roller guide



Universal field of application thanks to 90°–45° diagonal adjustment



Efficient drill rig set-up using a standard centre indicator

The DRU160 is the lightweight among drill rigs up to Ø 160 mm. The standardised clamping collar system enables quick mounting of common drill motors. In addition, a centre

indicator, angle indicator and spirit level enhance user-friendliness and help save valuable time during drill rig set-up. The anchor or vacuum attachment facility also increase flexibility.



# System & Accessories

## Technical data

Drill rig DRU160	
Drill diameter range	15–160 mm
Max. drill diameter with water collecting ring	130 mm
Max. drill bit length	560 mm

## Design

Aluminium dowel-vacuum foot
Feed using hand crank
Diagonal adjustment 90°–45°
Centre indicator
Angle indicator
Spirit level
Adjustable feet (M12)
Adjustable and interchangeable roller guides
2 handles
Clamping collar Ø 60 mm

## Dimensions & Weight

Length	400 mm
Width	200 mm
Height	866 mm
Weight	9 kg

## System recommendation

Core drilling system with DRU160	
10987400	Drill rig DRU160
11005500	Electric drill motor DME20PW
976014	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

## System & Accessories

Accessories	
976014	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
976136	Water retention ring complete Ø 70 mm
976134	Water retention ring complete Ø 130 mm
977437	Water retention ring holder, with centering device
977348	Gasket Ø 70 mm
976128	Gasket Ø 130 mm
974270	Extraction device for core bits
977353	Extraction device for cores
976616	Tool bag
11006900	Water pressure tank 60 l WTE60





## Drill rigs DRA250 | DRU250

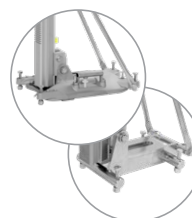
Core drilling up to Ø 250 mm



ModulDrill™ quick change clamping system – quick, easy and safe drill motor attachment



Non-strenuous, ergonomic working thanks to fine feed operation ( $i=1:3.5$ )



DRU250 with aluminium dowel-vacuum base. Drilling in the most restricted space with steel dowel foot DRA250

The DRA250 | DRU250 drill rigs offer impressive stability and drilling performance thanks to sturdy workmanship and robust drilling columns with wide gear teeth. The optimised support with sturdy roller guide guarantees precise drilling. The proven ModulDrill™ quick clamping system enables fast and secure

mounting of drill motors. In addition, a centre indicator (DRU250), angle indicator and two-speed feed gear enhance user-friendliness and help save valuable working time. The compact lightweight construction for easy transport, assembly and disassembly complete the system.



# System & Accessories



## Technical data

Drill rigs	DRA250	DRU250
Drill diameter range	40–250 mm	
Max. drill diameter with water collecting ring		200 mm
Max. drill bit length	600 mm	582 mm

## Design

Aluminium dowel-vacuum foot (DRU250)		
Steel dowel foot (DRA250)		
Two speed feed gearbox i=1:1 & i=1:3.5		
Feed using hand crank		
Diagonal adjustment 90°–45°		
Centre indicator (DRU250)		
Angle indicator		
Spirit level		
Adjustable feet (M12)		
Adjustable and interchangeable roller guides		
Handle	1 piece	2 pieces
ModulDrill™ quick change clamping system		

## Dimensions & Weight

Length	305 mm	447 mm
Width	205 mm	250 mm
Height	933 mm	908 mm
Weight	17 kg	14 kg

## System recommendation

### Core drilling system with DRA250 (Steel dowel foot)

10987500	Drill rig DRA250
11005520	El. drill motor DME26MW
11002077	Fastening bolt assembly

### Accessories DRA250

975378	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly (concrete)
977464	ModulDrill™ mounting plate
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
11006900	Water pressure tank 60 l WTE60

### Core drilling system with DRU250 (Dowel-vacuum foot)

10984500	Drill rig DRU250
11005520	Electric drill motor DME26MW
960795	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

### Accessories DRU250

960795	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
977464	ModulDrill™ mounting plate
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
10988902	Water retention ring complete Ø 200 mm
960785	Water retention ring holder, with centering device
960693	Gasket Ø 200 mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
11006900	Water pressure tank 60 l WTE60





## Drill rigs DRA400 | DRU400

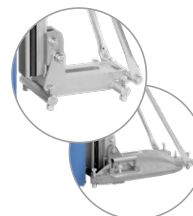
Core drilling up to Ø 400 mm



Easily adjustable and interchangeable low wear roller guide



Easy diagonal drilling thanks to angle indicator



DRA400 with steel dowel foot. DRU400 vacuum fixing - drilling or dowel fixing

DRA400 and DRU400, the professional core drilling systems for a versatile application range. The optimised support with sturdy roller guide guarantees precise drilling. The proven ModulDrill™ quick clamping system enables fast and secure mounting of drill motors.

In addition, a centre indicator, angle indicator and two-speed feed gear enhance user-friendliness and help save valuable working time. The compact lightweight construction for easy transport, assembly and disassembly complete the system.



# System & Accessories



## Technical data

Drill rigs	DRA400	DRU400
Drill diameter range	50–250 mm	
Max. drill diameter with distance plate 180 mm	400 mm	400 mm (250 mm*)
Max. drill diameter with water collecting ring		250 mm
Max. drill bit length	746 mm	737 mm

\* with vacuum fixing

## Design

Aluminium dowel vacuum foot (DRU400)		
Steel dowel foot (DRA400)		
Two speed feed gearbox i=1:1 & i=1:3.5		
Feed using hand crank		
Diagonal adjustment 90°–45°		
Centre indicator (DRU400)		
Angle indicator		
Spirit level		
Adjustable feet (M12)		
Adjustable and interchangeable roller guides		
Handle	1 piece	2 piece
ModulDrill™ quick change clamping system		

## Dimensions & Weight

Length	305 mm	507 mm
Width	205 mm	300 mm
Height	1 055 mm	1 063 mm
Weight	19 kg	18 kg

## System recommendation

### Core drilling system with DRU400

10984600	Drill rig DRU400
11005530	Electric drill motor DME32MW
977368	Vacuum plate
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

### Accessories DRU400

977368	Vacuum plate
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
964906	ModulDrill™ distance plate Ø +180 mm
977464	ModulDrill™ mounting plate
10988898	Water retention ring complete Ø 250 mm
977438	Water retention ring holder complete
977447	Gasket Ø 250 mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
11006900	Water pressure tank 60 l WTE60

### Core drilling system with DRA400

10987600	Drill rig DRA400
11005530	Electric drill motor DME32MW
964906	ModulDrill™ distance plate Ø +180 mm
11002077	Fastening bolt assembly dowel feet

### Accessories DRA400

975378	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly concrete dowel feet
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
964906	ModulDrill™ distance plate Ø +180 mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
11006900	Water pressure tank 60 l WTE60









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## Service provider and system supplier

Tyrolit offers a wide range of services and solutions designed to maximise customer efficiency and productivity. As a service provider and system supplier, Tyrolit is committed to supplying tools and machines that deliver success.

The dedicated team of application engineers and training experts goes one step further and offers on-site training. They bring practical experience, address specific needs and ensure a personalised learning journey.

Tyrolit understands the importance of accessibility and convenience in today's business world. That is why there are various ways to get in touch and get support. Whether it's the efficient EDI ordering system, the convenient B2B web shop, personalised sales support or tailored training from application engineers – as a system provider, Tyrolit offers everything for the customer. With Tyrolit, you are always just a click or call away from getting support and help.





# Safety

## Safety and the brand Tyrolit

Our aim was and is to make our products even safer for our users:

Through our work as the founder member of the “Organisation for the Safety of Abrasives” (oSa®), through close cooperation with the safety authorities and through practical communication with our users all over the world.

### For safe working with grinding tools, it is necessary that

- machine manufacturer
- abrasive manufacturer and
- operator

contribute their part in equal measure. Tyrolit guarantees that the tools meet the requirements of the oSa® and the European standards. The CE marking of our machines guarantees the complete compliance with the applicable EU safety requirements.

Tyrolit recommends not to use grinding tools, which do not have the symbols oSa®, EN13236 (diamond tools), EN12413 (cutting and grinding wheels) or EN13743 (flap discs).

## Assembly / repair

Diamond tools must be visually inspected for cracks or other possible damage before mounting. Don't use damaged diamond tools!

The dimension of the diamond tool must correspond to the information on the machine and shouldn't exceed those.

Make sure that the maximum operating speed (RPM) of the tool is not exceeded.

Please note when mounting, that the arrow on the diamond tool corresponds with the direction of rotation of the machine.

Make sure the bore of the diamond tool fits the machine spindle properly – the bore must not be manipulated.

Make sure that the machine spindle is clean and intact. An out of round condition will cause damage to the blade and the saw.

Flanges should be clean, flat, of equal size and of the proper type for the diamond tool. Don't use damaged flanges.

The diamond tool must be properly mounted, rotate freely and the flanges must be tightened properly. Never force a wheel onto the machine.

Only use machines with suitable blade guards.

Disconnect the machine from its power supply before mounting or removing a diamond tool.

Have your machine repaired solely by qualified personnel using original spare parts.





## Application

Avoid unintentional starting of the machine. Make sure that the machine is switched off before connecting to power supply.

Secure the workpiece to prevent accidental slipping.

Support plates or large workpieces in order to reduce the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight.

Always wear personal safety equipment and eye protection. Wearing personal safety equipment, such as gloves, non-slip safety shoes, helmet and ear protection, always depending on nature and purpose of the tool, may reduce the risk of injury.

Ensure adequate ventilation and protective measures that correspond to the material to be machined when working with cutting and rough grinding wheels.

Maintain a firm grip on the machine and keep balance at all times. Bring your body into a position where you can intercept kickback forces.

Do not position your head in line with the rotating wheel. Do not position your body in the area in which the machine will move in case of a kickback.

If the cutting wheel gets jammed or when interrupting a cut for any reason, turn off the machine and hold the machine motionless until the wheel comes to a complete stop. Never attempt to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur.

Do not restart the cutting operation in the workpiece. Let the wheel reach full speed before you re-enter the cut.

After turning off the machine, allow the wheel to come to rest naturally. Never use an “artificial” brake such as soil, wood pallets or shoes and never lay the machine down before the wheel has come to rest. The rotating wheel may grab the surface.

For rotating grinding tools with diamond or boron nitride, the maximum permissible peripheral speeds according to EN13236 must be observed. Information on the maximum permissible speeds can be found in the laser signature of your diamond saw blade, as well as on request.

For recommended speeds for wet drilling, see chapter wet drill bits page 115.

## Safety information



Use gloves



Use dust mask



Only permitted for wet grinding



Do not use damaged wheels



Use eye protection



Personal safety



For dry applications



Not permitted for side grinding



Use ear protection



Pay attention to the safety recommendations



Not permitted for wet grinding



No freehand work



# Trouble-shooting

## Wet core drill

### 1. Excessive wear of diamond segments

- Insufficient coolant supply. Adjust the water supply and/or check the water lines.
- The operating speed of the core drill is too low. Increase the RPM (see RPM recommendations).
- The engine power is too high. Match the motor power to the drilling diameter.
- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The selected core drill may not be suitable for the material being drilled, or the material is too abrasive. Use a harder specification (e.g. CDL - CDM).

### 2. Excessive wear of the steel tube

- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The core drill is warped / is not running true.
- The core drill is not fixed properly. Check if the core drill is aligned with the motor spindle.
- There are remains in the hole, which have not been removed by the coolant. Increase the coolant supply temporarily.
- You are drilling in loose material (e.g. gravel).

### 3. Broken segments

- In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.
- The core drill has struck multiple times against reinforcements or fragments. Remove all loose steel and segment parts before introducing a new core drill.
- The core drill is cutting into loose reinforcement. Reduce the RPM when drilling reinforcements in order to avoid damage to the core drill.

### 4. Drill bit does not drill

#### Segments are overloaded

Flat segment surface, possible deformation of the segments, high number of pull-outs (> 50 %), drill chatters

- The operating speed is too low. Increase the RPM.
- The grinding pressure is too high. Reduce the pressure.
- The material may be too soft and abrasive for the used specification. Use a harder specification (e.g. CDL - CDM).

### 5. Drill bit does not drill

#### Segments are underchallenged

Smooth segment surface, polished diamonds (shining, no sharp edges)

- The diamond segments are smooth (polished).

Re-sharpen the drill bit by drilling into soft, abrasive material or use a Tyrolit sharpening plate.

The operating speed is too high. Reduce the RPM.

The grinding pressure is too low. Increase the pressure.

The engine power is too low. Match the motor power to the drilling diameter.

Excessive coolant supply, only clear water is coming out of the drill hole (no slurry). Reduce the coolant supply and check the consistency (should be milky/cloudy).

The material may be too hard for the used specification. Use a softer specification (e.g. CDL - CDM).

### 6. Core drill is jammed

Debris is blocked between the core and the tube wall (steel, pieces of material). Remove the drill rig and, using a wrench, turn the core drill alternately in both directions until it can be removed. Take the debris out of the drill hole before introducing a new core drill.

The drill rig was not fixed correctly and has moved during drilling. Drill rig and core drill are no longer aligned. Align and re-fix the drill rig.



# Trouble-shooting

## Diamond saw blade

### 1. Excessive wear

- The saw blade is not suitable for the material being cut. Use a harder specification.
- Insufficient water supply. Adjust the water supply and/or check the water lines.
- The blade is pounding, which accelerates the wearing. The reasons could be poor bearings, a worn spindle shaft or the use of a too hard specification for the material being cut. Check the state of the machine or use a softer specification.
- The operating speed (RPM) is too low. Use the correct RPM for the diameter of the blade (see RPM recommendations).

### 2. Undercutting

Undercutting is a condition in which the steel center wears faster than the diamond segment, especially in the areas where the segment and core are joined. This is caused by highly abrasive material grinding against the blade during the sawing operation. Finally this can lead to segment loss.

- Be sure to have sufficient water supply. Only with sufficient water the abrasive grinding slurry will be transported out of the contact zone and will thus reduce the undercutting effect.
- Do not cut into the sub base of the pavement (lose gravel or sand). The loose material scrubs strongly on the body and tips it below the segments.

**Caution!** For safety reasons, do not use the saw blade any longer!

### 3. The blade does not cut

- The saw blade is too hard for the material being cut. Check if the specification is appropriate. A glazed blade can be sharpened by cutting into soft, abrasive material.
- The output power of the machine is insufficient to permit the blade to cut properly. Make sure that the specification is appropriate for the machine power and the material being cut. Repeatedly check the tension of the V-belt in order to guarantee an optimal transmission of power.
- The operating speed (RPM) is too high. Use the correct RPM. If the speed can't be changed, perform the cut in several passes.
- The blade is not mounted correctly. Ensure that the running direction of the saw is correct (direction of rotation arrow).

### 4. Overheating

Overheating may lead to several problems like loss of core tension, cracks in the steel core and segment loss (in case of brazed segments). Overheating can be identified by a discoloration (blue and/or black oxidation) of the blade or the segments.

- Make sure that wet-cutting saws have a sufficient water supply. Check the water lines and make sure flow is adequate on both sides of blade.
- An excessive cutting pressure leads to overheating of dry-cutting tools. Use several passes of 2 to 5 cm deep for cutting solid materials.

On a regular basis, release the pressure on the diamond blade and allow it to rotate freely for cooling in the air. Do not use excessive pressure – the weight of the machine is sufficient.

### 5. Loss of blade segment

- The machine was not held firmly or the material was not fixed, which caused the blade to twist or jam in the cut. Secure the material firmly while cutting and maintain a firm grip on the machine.
- The blade is too hard for the material being cut which causes the blade to chatter. Use a softer specification.
- The blade has been undercut. Make sure that there is sufficient water supply and do not cut into the base layer of the pavement (gravel).
- In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.
- The saw has not been mounted correctly and starts to chatter.

**Caution!** For safety reasons, do not use the saw blade any longer!



## 6. Cracks in the segment

The saw blade is too hard for the material being cut; the saw blade starts to chatter during cutting. Use a softer specification.

Insufficient cooling supply (overheating). Adjust the water supply and/or check the water lines.

## 7. Cracks in the steel core

The saw blade is too hard for the material being cut. Use a softer specification.

Excessive cutting pressure. Extreme strain on the blade can create material fatigue, which can then lead to a fracture in the steel core.

The saw blade is chattering. Check the state of the machine (e.g. spindle and bearings) and the mounting of the saw blade.

The cut is not straight which results in friction and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

**Caution!** For safety reasons, do not use the saw blade any longer!

## 8. Uneven segment wear

Make sure that wet-cutting saws have a sufficient water supply. Check the water lines and make sure flow is adequate on both sides of blade.

The saw blade is irregularly worn due to defective bearings, a damaged blade bore or machine spindle. Exchange or repair the bearings and/or spindle. Ensure the engine runs smoothly and does not cause the blade to chatter on a regular cycle basis.

The cut is not straight which results in friction and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

## 9. Loss of tension

Blade has been overheated. Make sure that wet-cutting saws have sufficient water cooling.

The saw blade is too hard for this application. The reason for the loss of tension is a high lateral friction.

Check if the correct RPM has been chosen and if the proper flanges are being used.

Ensure that the saw blade has been fixed correctly on the spindle. Make sure that drive pins are used for all machines.

The cut is not straight which results in tension and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

In case of loss of tension send the saw blade back to the manufacturer for repair.

## 10. Damaged bore

The flanges or the spindle are worn out. Check the flanges and spindle for wearing and replace the worn parts.

The saw blade has not been mounted properly. Ensure that the blade is mounted on the proper diameter of spindle. Fix the wheel flanges properly (with a wrench, not by hand). Do not remove the drive pins, because they guarantee an optimal transmission of power.

Send the saw blade back to the manufacturer for repair.



## Working together successfully

We regard our customers as partners. The success of our customers lies in the quality of our products, our knowledge in application technology and the provision of customer-specific on-site solutions. Close collaboration with our customers leads to remarkable strategic developments and ensures long-term success for both parties.

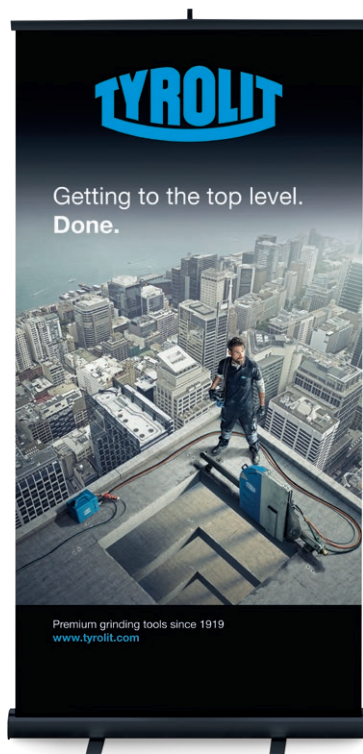
### Promotion as a key factor

For choosing the right tool, the Tyrolit POS system offers complete support. Clear colour guidance systems, pictograms easy to understand and application advices: a flexible and easy to use presentation medium, optionally as Wall Display, Floor Display or Counter Display.

By request we also undertake the planing of your product assortment based on your customers' requirements and advise you on the optimum promotional positioning.



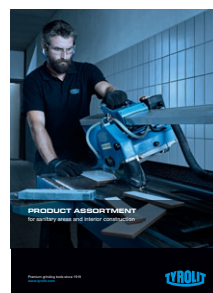
POS



Roll-Up



Poster



Leaflets



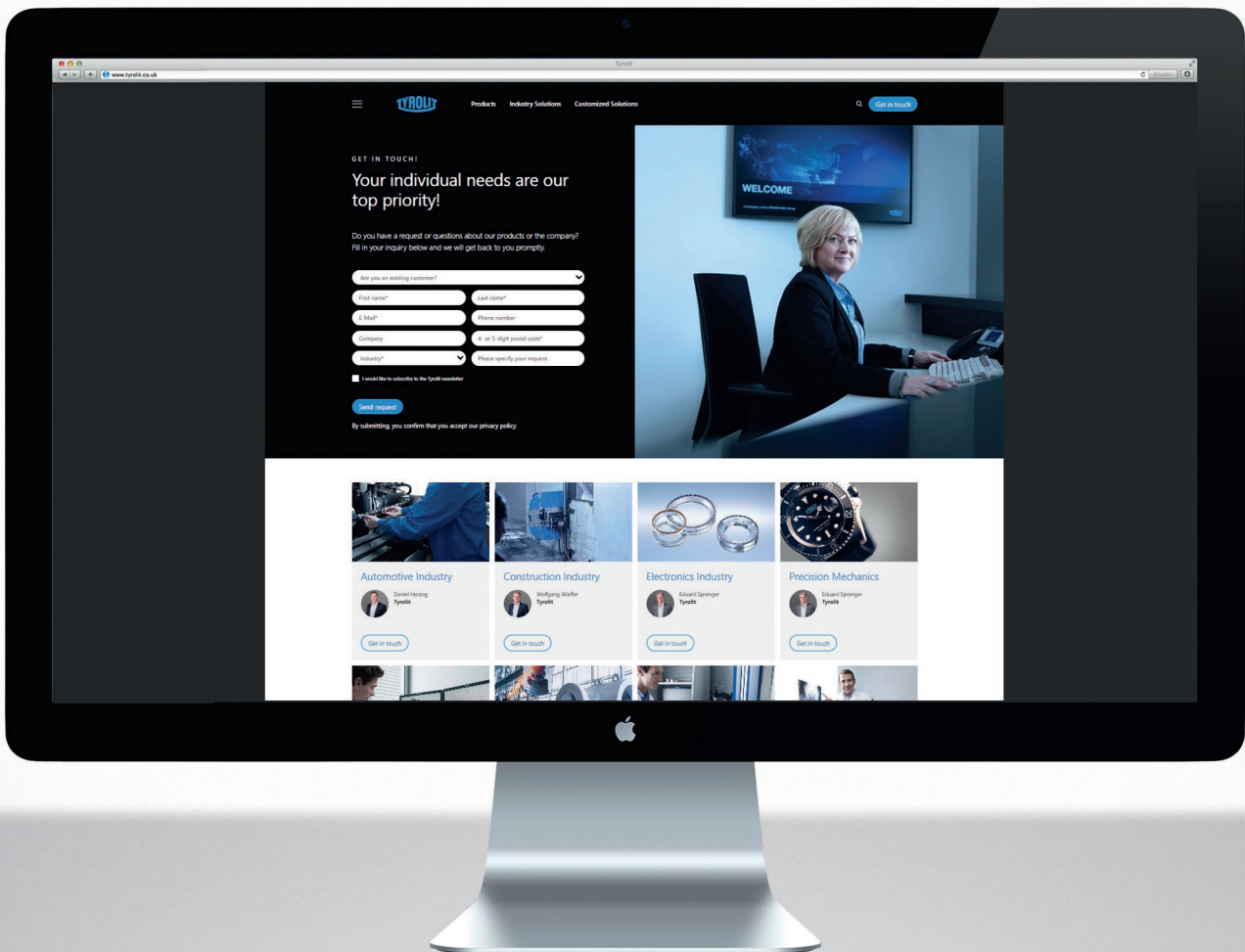
Beach-Flag



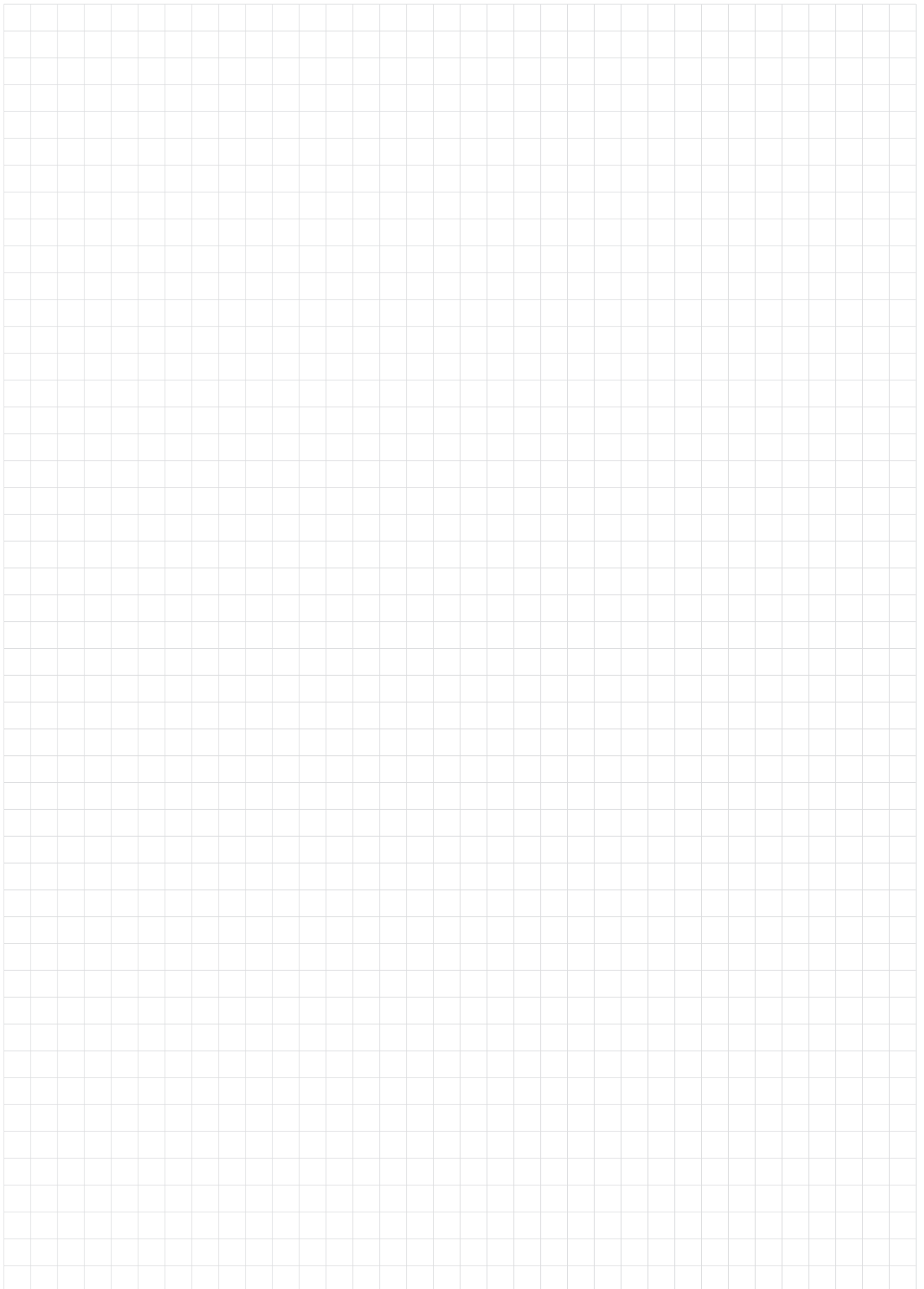
# Tyrolit addresses

Find your local representative on our website.

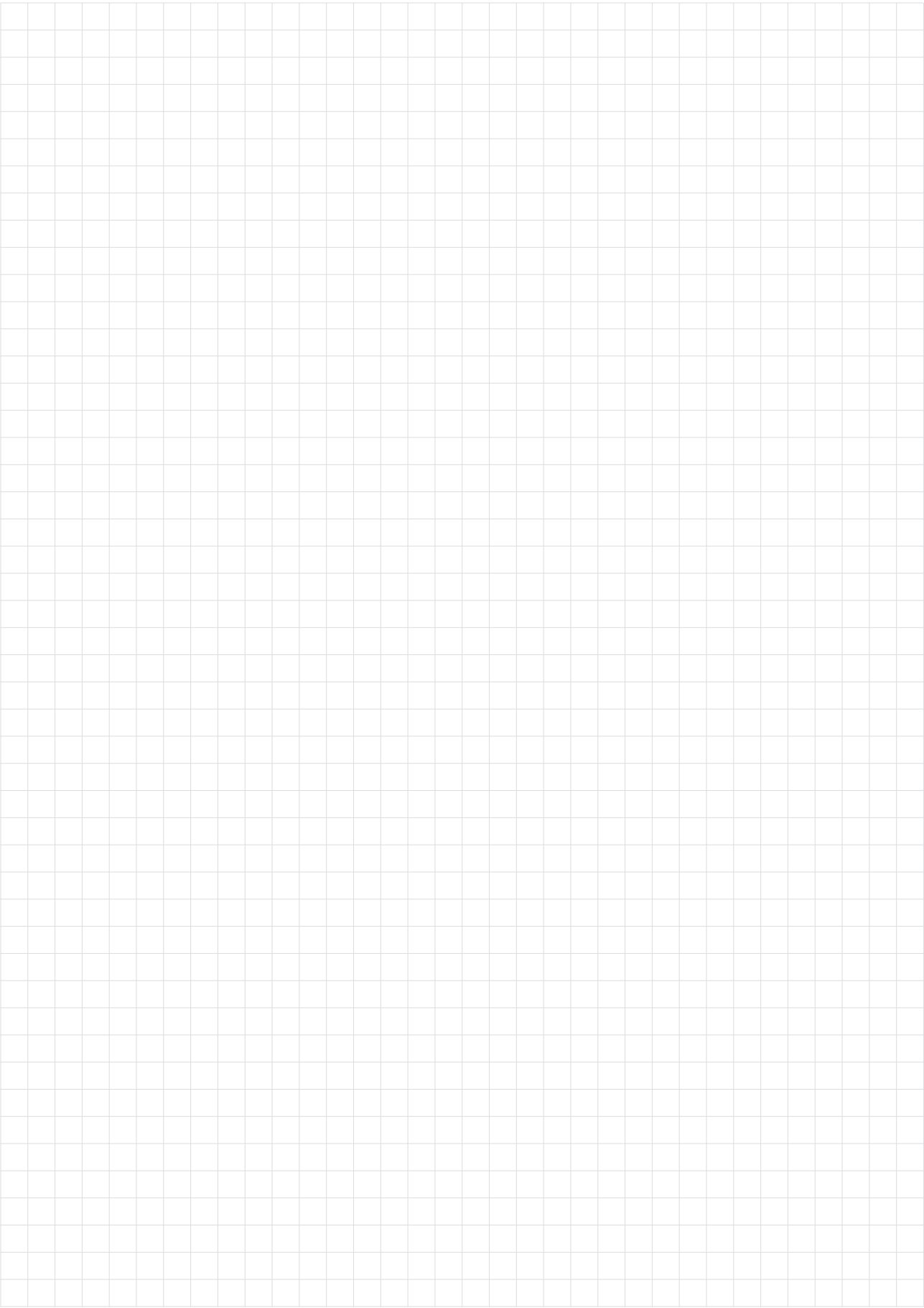
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# Catalogue

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