



Diamond tools and machines for the construction industry

English | from 2026

Premium grinding solutions since 1919
www.tyrolit.com

TYROLIT

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. For over 100 years, our innovative tools and solutions have played a crucial role in technological advancements across various industries.

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

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



Tyrolit headquarters in Schwaz (Austria)

Facts & figures



80,000+
standard products



30+
global production sites



4,500+
valued employees



140+
countries within our reach



500+
patents worldwide

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



Drilling & Sawing

We offer powerful solutions for professionals in concrete cutting and controlled demolition. With a strong focus on precision, safety, and efficiency, we provide innovative tools and systems with the highest industry standards.



Rental & Trade

We support our partners in the rental sector as well as the construction trade market by providing high-quality products, tailored solutions, and expert support on a global scale.



Road & Infrastructure

We support infrastructure projects and road construction professionals worldwide. With decades of expertise, we provide robust solutions that combine efficiency, durability, and precision - helping our customers tackle demanding projects with confidence.



Floor prep & Floor grinding

We are a comprehensive system provider in the field of floor preparation and grinding, combining the expertise of three specialists under one roof. This enables us to respond to our customers' individual needs - from floor preparation to fine floor finishing.

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.



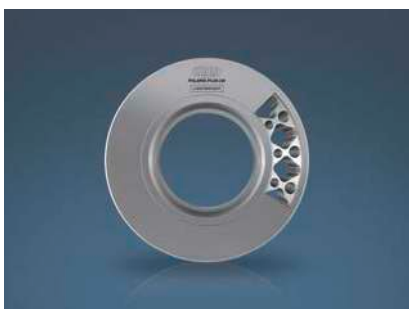
With **CERABOND X**, Tyrolit sets a milestone in the abrasives market. The combination of ceramic grain and the unique Tyrolit bond system enables consistent cutting ability of the discs, combined with unique durability.



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.



Thanks to innovative **OmniGrid®** Technology, concrete cutting work can be completed even with an unreliable power supply, such as in the event of phase loss, low supply voltages or other faults.

International production and sales locations

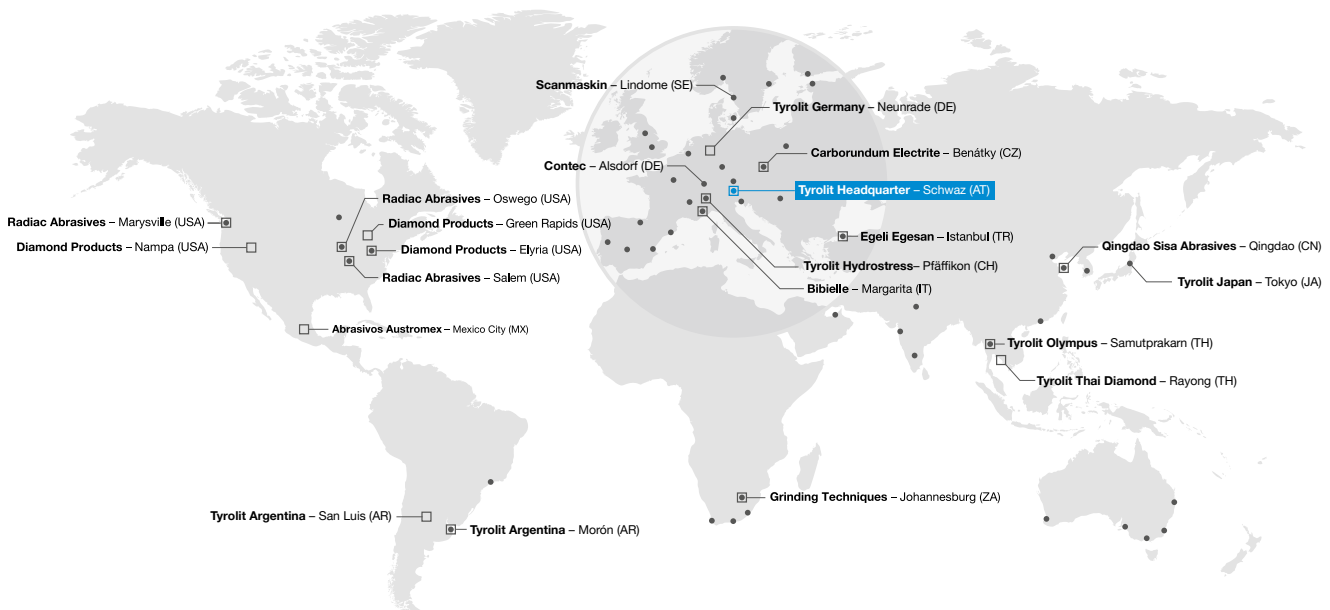
Tyrolit is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Rayong (Thailand)



The European logistics centre in Benátky (Czechia)






□ Tyrolit production sites
sites are only named once

● Tyrolit sales locations
locations are only named once | includes service locations

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 style="text-align: center;">  PREMIUM </div> <p>Maximum performance and highest lifetime for professional use.</p>	<div style="text-align: center;">  STANDARD </div> <p>Exceptional working comfort and efficiency for experienced use.</p>	<div style="text-align: center;">  BASIC </div> <p>Quality tools for ideal working results in everyday use.</p>
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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.



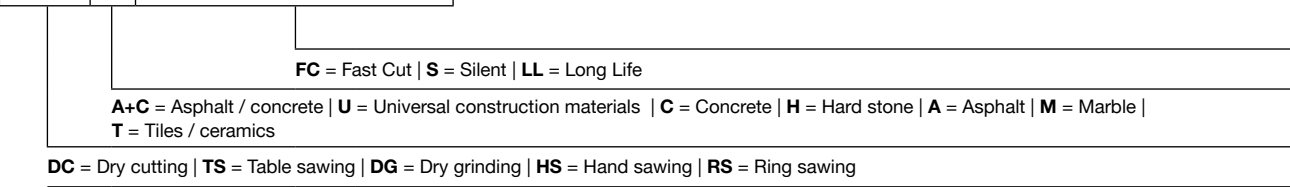
The oSa (Organization for the Safety of Abrasive Tools) was founded in 2000 for precisely this purpose. As a founding member, Tyrolit is clearly committed to the values of this organization:

- + 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

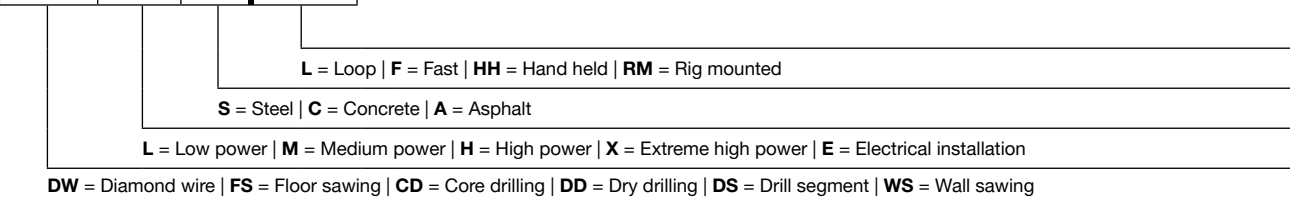
oSa members commit to certified quality management with documented processes, which means that customers can rely on the highest quality and safety.

Specification

DCU-FAST CUT



DW H-S | L



Safety

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

Machines

- Angel grinder
- Cut-off machine
- Floor saw
- Cordless drill driver
- Rig-based drilling
- Hand-held drilling
- Only for electric machines
- Wall saw
- Wire saw
- Table saw

Colour codes

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





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

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 14



TGD[®]+
TECHNOLOGY

TGD[®]+ Technology is the further development of the TGD[®] Technology and is characterised by an innovative 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 14



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

Further information from page 15



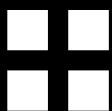
P2[®]
TECHNOLOGY

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

Further information from page 15



Modular
TECHNOLOGY

Advantages:

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

Further information from page 16



MoveSmart

Advantages:

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

Further information from page 326



TYROLIT GRAIN DISTRIBUTION: TGD® and TGD®+

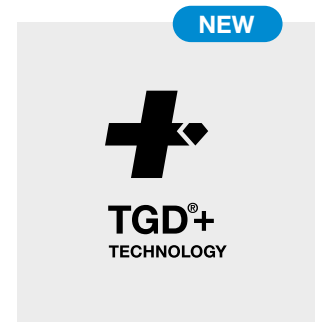
Tyrolit diamond tools with TGD® Technology feature an intelligent distribution of the grain, known as TYROLIT GRAIN DISTRIBUTION, which enables particularly economic and efficient working in a range of applications.

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.

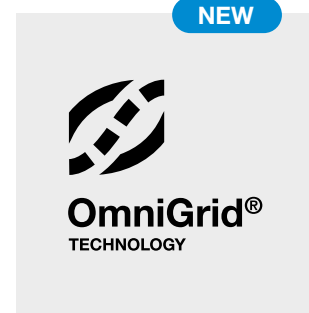
The TGD®+ Technology is characterised by an innovative sandwich bond system that enables different degrees of hardness and smooth transitions within the diamond segment. In combination with different diamond grain qualities, this ensures improved smooth running and balanced load distribution. This targeted 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.



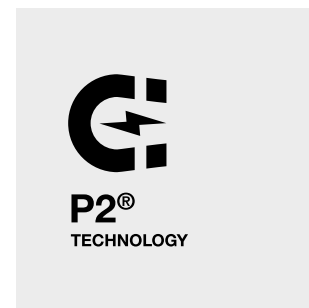
OmniGrid® Technology

Thanks to the innovative OmniGrid® Technology, concrete cutting work can be completed even with unreliable power supply, such as phase loss, low supply voltages or other disturbances. With OmniGrid®, it is even possible to work in single-phase networks and with long cable lengths and thus with large distances to the power supply.



P2® Technology

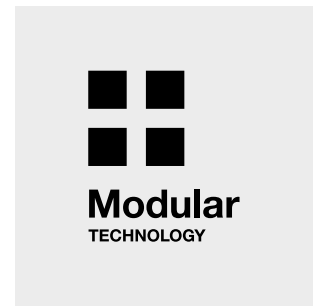
P2® – PERMANENT POWER – is a high-frequency technology registered by Tyrolit, which combines the compact design of electrical systems with the reliability and performance of hydraulic systems in a single machine to optimum effect. This innovative drive concept is based on the principle of drive motors with permanent magnets and enables operation at a high torque, with simultaneously reduced motor speeds. The maintenance-friendly layout of the compact devices makes servicing easier and reduces costs.



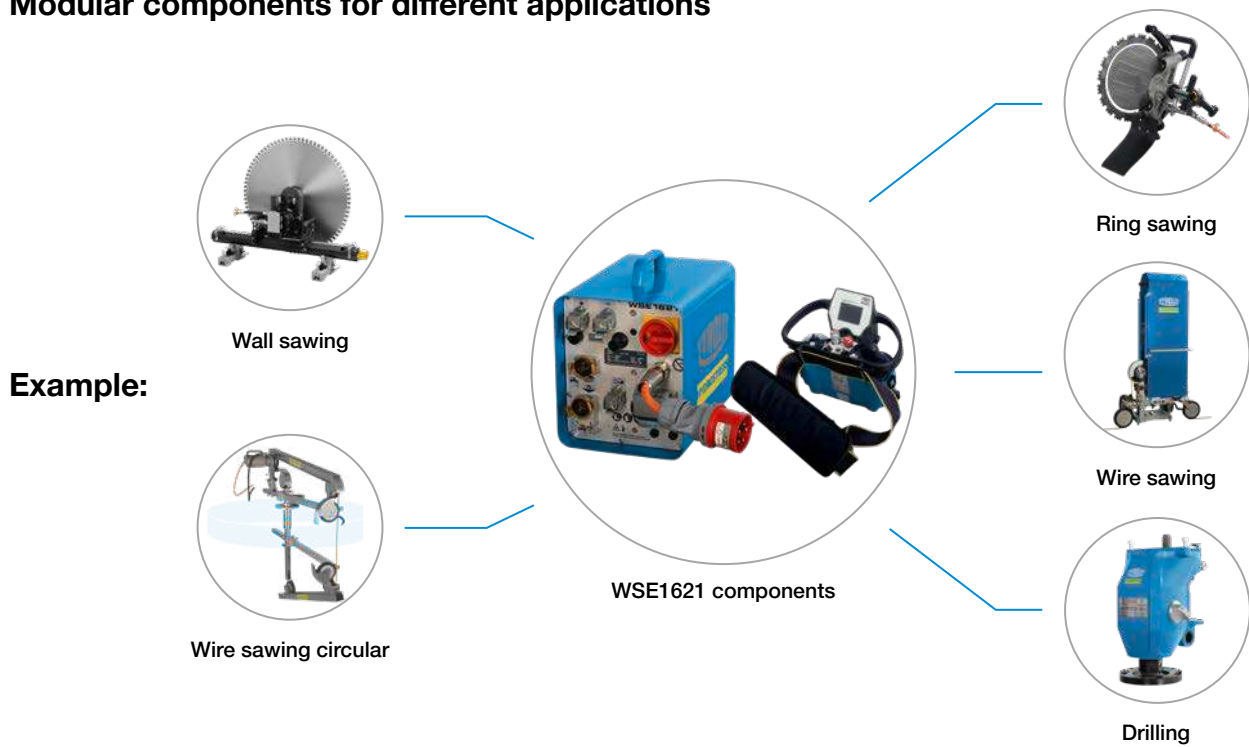
Tyrolit Modular System

Thanks to the Tyrolit Modular System, individual components can be used for the same area of application and for different applications. This not only makes the work easier and more efficient, it also saves on costs.

One part of the Tyrolit Modular System is the ModulDrill™ quick clamping system, for example, which enables our drill motors to be rapidly attached to different Tyrolit drill rigs.



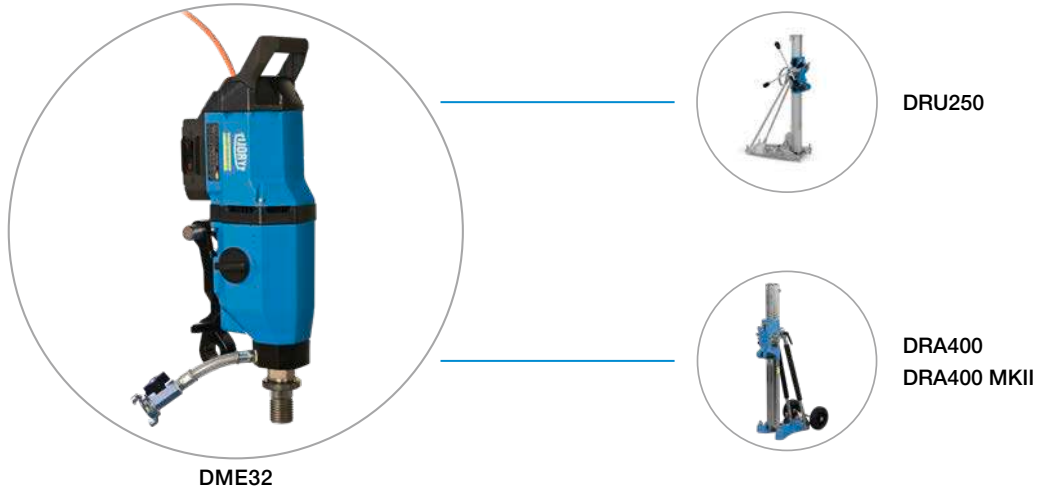
Modular components for different applications



	WSE1217	WSE1621 / WSE1621 MKII	WSE2226
Wire saw WCU17	•	•	
Wire saw SB-E			•
Wire saw circular CCE25	•	•	
Drilling gearbox DGB1000	•	•	
Ring saw HRE410		•	

Modular components within the same area of application

Example:



ModulDrill™ clamping system

	DME26MW UW	DME32MW UW UP	DME35UP	DME42QC	DGB1000	Hydraulic options
DRA250	•	•	•			
DRU250	•	•	•			
DRU350	•	•	•	•		
DRA400 DRA400 MKII	•	•	•	•		
DRA500	•	•	•	•	•	•
BC-2	•	•	•	•	•	•

Blade guards

	WSE1621 / WSE1621 MKII	WSE2226	DZ-S2	WZ	FZ-2ST	FZ-4S
All-in-one blade guard 800	•	•	•	•	•	•
All-in-one blade guard 1000	•	•	•	•	•	•
All-in-one blade guard 1200	•	•	•	•	•	•
Blade guard 1460	•	•		•	•	•
Blade guard 1600	•	•		•	•	•
Blade guard 2200		•				•

Rail systems

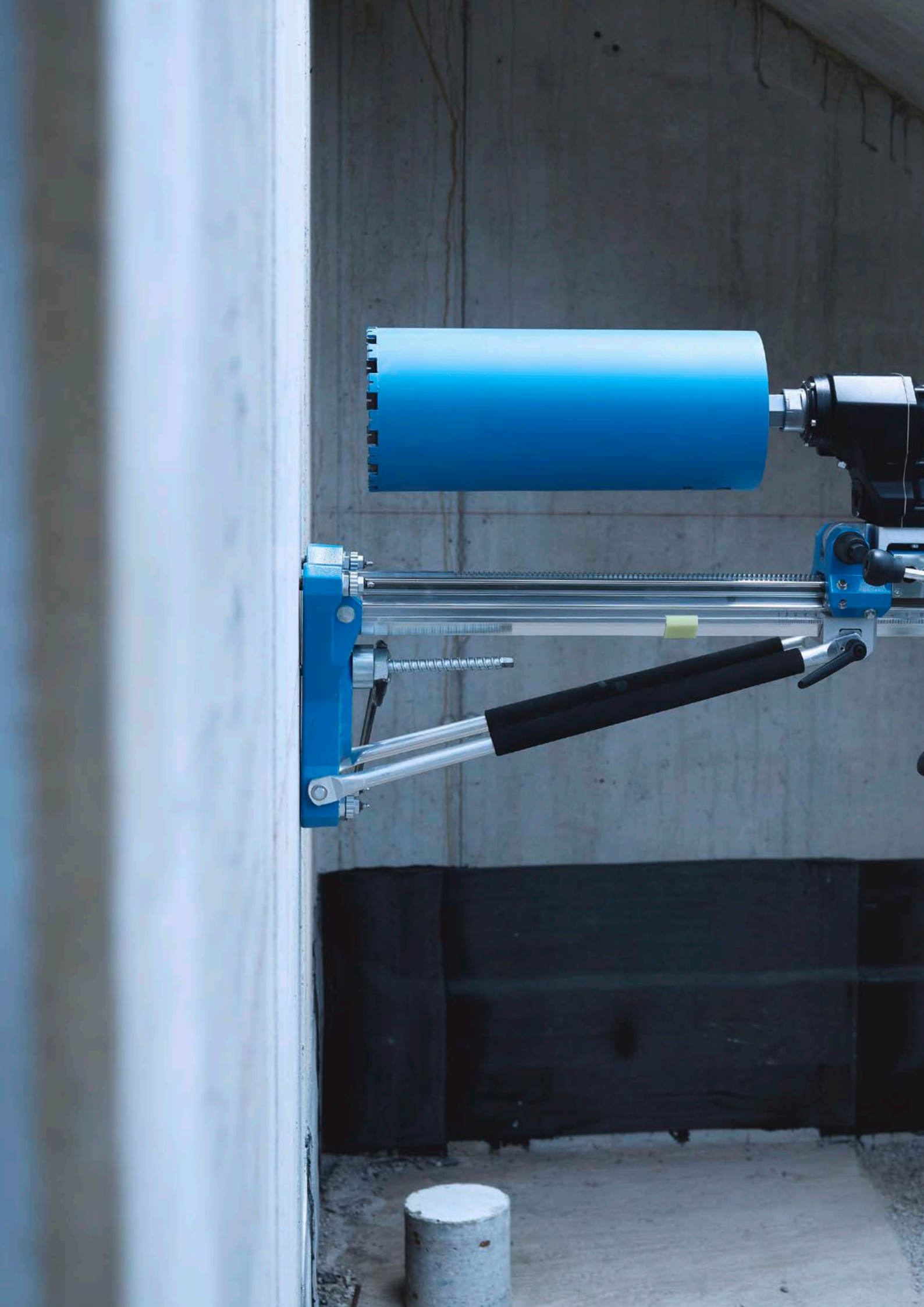
	WSE1621 / WSE1621 MKII	WSE2226	DZ-S2	WZ	FZ-2ST	FZ-4S
VAS rail system	•	•	•	•	•	
VS rail system	•	•	•	•	•	•





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.

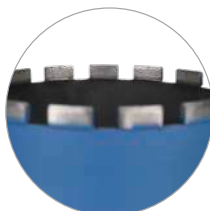
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

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.



HOHL1 TGD® segments

HOHL1D Conventional segments with roof shape

HOHL2 Thin-walled wet drill bits with segments set in the carrier

HOHL3 Ring segment - to diameter 42 mm

HOHLT 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	3
112	340	760	
122	310	700	
132	280	650	
152	250	560	>4
162	230	530	
182	200	470	
202	180	420	
250	150	340	
300	120	280	
400	95	210	
500	75	170	

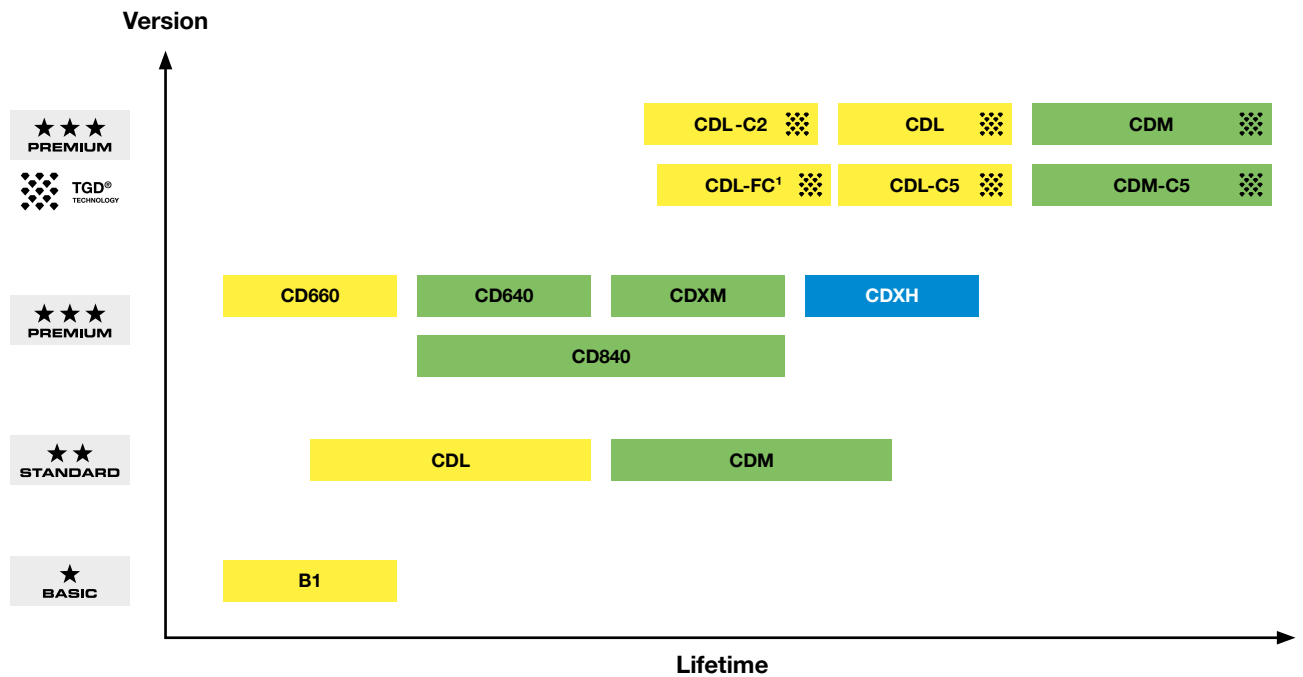
Service

- + 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



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®	●	●			●	●	○	●	●	
	CDL-C5 TGD®	●	●	○		○	●	●	●	●	●
	CDM-C5 TGD®		●	●	●		●	●	●	●	●
	CDL TGD®	●	●	●	○	●	●	●	●	●	●
	CDL-C2 TGD®	●	●	○		●	●	●	●	●	●
	CDM TGD®	●	●	●	●	○	●	●	●	●	●
	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®	●	●	○	○	●	●
	CDL-C5 TGD®	●	●	○	○	●	●
	CDM-C5 TGD®	○	●	●	●	●	○
	CDL TGD®	●	●	○	○	●	●
	CDL-C2 TGD®	●	●			●	○
	CDM TGD®	○	●	●	●	●	●
	CDXH	○	●	●	●	●	○
	CDXM	●	●	●	○	●	●
	CD640	●	●	●	○	●	●
	CD660	●	●			●	●
	CD840	●	●	●	●	●	●
★★ STANDARD	CDL	●	●	○	○	●	●
	CDM	○	●	●	●	●	○
★ BASIC	B1	●	●		○	●	●

Suitability

Optimal	●
Good	●
Acceptable	○
Not suitable	

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.







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



Application:


- + For working with soft to medium-hard concrete aggregates
- + Ø 47 mm to 250 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.5 kW

We recommend:

- + For medium to highly abrasive concrete

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Excellent and consistent cutting performance with very smooth running
- + Robust, high-quality steel cores for stability and noticeably smooth running

	Type number	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
	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)



Application:



- + For working with soft to hard concrete aggregates
- + Ø 10 mm to 42 mm with a working length of 400 mm and R 1/2" mounting;
Ø 47 mm to 500 mm with a working length of 450 mm and 1 1/4" mounting;
Ø 52 mm to 250 mm with a working length of 500 mm and PIXIE mounting
- + For drill motors up to 3.5 kW

We recommend:

- + For low to highly abrasive concrete
- + From Ø 300 mm, the large diameter flange (GR-F) is recommended as a mounting


Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Excellent and consistent power
- + Universal use and easy core removal

		Type number	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		
	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





	Type number	Dimension	Segment height
	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



Application:

- + For working with soft to medium-hard concrete aggregates
- + Ø 82 mm to 250 mm with a working length of 500 mm and PIXIE mounting;
Ø 82 mm to 250 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.5 kW

We recommend:

- + For low to highly abrasive concrete

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Excellent and consistent power
- + Universal use and easy core removal



HOHL1

Type number	Dimension	Segment height
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 × 1 1/4"	11.3
34018540	102 × 450 × 1 1/4"	11.3
34018545	122 × 450 × 1 1/4"	11.3
34018548	132 × 450 × 1 1/4"	11.3
34018552	152 × 450 × 1 1/4"	11.3
34018558	202 × 450 × 1 1/4"	11.3
34018561	250 × 450 × 1 1/4"	11.3



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



Application:


- + For working with soft to very hard concrete aggregates
- + Ø 47 mm to 72 mm with a working length of 450 mm and 1 1/4" mounting;
Ø 77 mm to 500 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors from 3.0 kW to 5.0 kW

We recommend:

- + For medium to highly abrasive concrete

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Excellent and consistent power
- + Universal use and easy core removal

		Type number	Dimension	Segment height
	HOHL1D	606482	47 × 450 × 1 1/4"	8,5
		606527	52 × 450 × 1 1/4"	8,5
		606530	57 × 450 × 1 1/4"	8,5
		606485	62 × 450 × 1 1/4"	8,5
		606536	67 × 450 × 1 1/4"	8,5
		606541	72 × 450 × 1 1/4"	8,5
	HOHL1	34223152	77 × 450 × 1 1/4"	11,3
		34018562	82 × 450 × 1 1/4"	11,3
		34018564	92 × 450 × 1 1/4"	11,3
		34018566	102 × 450 × 1 1/4"	11,3
		34018568	107 × 450 × 1 1/4"	11,3
		34018569	112 × 450 × 1 1/4"	11,3
		34018571	117 × 450 × 1 1/4"	11,3
		34018572	122 × 450 × 1 1/4"	11,3
		34018574	125 × 450 × 1 1/4"	11,3
		34018575	127 × 450 × 1 1/4"	11,3
		34018576	132 × 450 × 1 1/4"	11,3
		34018579	142 × 450 × 1 1/4"	11,3
		34018584	152 × 450 × 1 1/4"	11,3
		34018587	162 × 450 × 1 1/4"	11,3
34018589	172 × 450 × 1 1/4"	11,3		
34018601	182 × 450 × 1 1/4"	11,3		
34018604	192 × 450 × 1 1/4"	11,3		
34018605	202 × 450 × 1 1/4"	11,3		
34018607	212 × 450 × 1 1/4"	11,3		
34018608	225 × 450 × 1 1/4"	11,3		
34018610	250 × 450 × 1 1/4"	11,3		
711343	300 × 450 × 1 1/4"	11,3		
711344	350 × 450 × 1 1/4"	11,3		
711347	400 × 450 × 1 1/4"	11,3		
711348	450 × 450 × 1 1/4"	11,3		
711349	500 × 450 × 1 1/4"	11,3		
NEW	HOHL1*	34766187	125 × 450 × 1 1/4"	11,3
		34698062	127 × 450 × 1 1/4"	11,3
		34698063	132 × 450 × 1 1/4"	11,3
		34698065	142 × 450 × 1 1/4"	11,3





	Type number	Dimension	Segment height
NEW	34698064	152 × 450 × 1¼"	11,3
	34698066	162 × 450 × 1¼"	11,3
	34698067	172 × 450 × 1¼"	11,3
	34698069	182 × 450 × 1¼"	11,3
	34766188	192 × 450 × 1¼"	11,3
	34698070	202 × 450 × 1¼"	11,3
	34766189	212 × 450 × 1¼"	11,3
	34698071	225 × 450 × 1¼"	11,3
	34698073	250 × 450 × 1¼"	11,3

* Advanced specification (5th generation)



CDXH Wet drill bits for reinforced concrete



Application:


- + For working with medium to very hard concrete aggregates
- + Ø 52 mm to 300 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors greater than 3.5 kW

We recommend:

- + For highly abrasive concrete

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Universal use and easy core removal

	Type number	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



Application:

- + For working with soft to very hard concrete aggregates
- + Ø 47 mm to 250 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.0 kW

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + Universal use and easy core removal

We recommend:

- + For medium to highly abrasive concrete



HOHL1D

Type number	Dimension	Segment height
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
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



CD840 Wet drill bits for reinforced concrete



Application:


- + For working with soft to hard concrete aggregates
- + Ø 47 mm to 500 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.0 kW

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + U-cuts ensure optimum cooling and ideal chip removal
- + Universal use and problem-free core removal

We recommend:

- + For medium to highly abrasive concrete

	Type number	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
		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



Application:

- + For working with soft to very hard concrete aggregates
- + Ø 47 mm to 600 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.0 kW

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + U-cuts ensure optimum cooling and ideal chip removal
- + Universal use and easy core removal

We recommend:

- + For medium to highly abrasive concrete



HOHL1D

Type number	Dimension	Segment height
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
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



Application:

- + For working with soft to hard concrete aggregates
- + Ø 47 mm to 500 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 2.5 kW

Features:

- + High-quality tool for the most demanding requirements and maximum cost-effectiveness
- + U-cuts ensure optimum cooling and ideal chip removal
- + Universal use and easy core removal

We recommend:

- + For low to highly abrasive concrete



HOHL1D

Type number	Dimension	Segment height
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
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

**Application:**

- + For working on soft to medium-hard concrete aggregates
- + Ø 32 mm and Ø 42 mm with a working length of 450 mm and R1/2" mounting;
Ø 52 mm to 250 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.0 kW

We recommend:

- + For medium to highly abrasive concrete

Features:

- + Quality tool for daily use
- + Convincing ratio of drilling speed and service life
- + Universal use and reliable quality



	Type number	Dimension	Segment height
HOHL3	475019	32 × 400 × R1/2"	7
	475024	42 × 450 × R1/2"	7
HOHL1D	34292638	52 × 450 × 1 1/4"	11.3
	34292640	62 × 450 × 1 1/4"	11.3
	34292816	72 × 450 × 1 1/4"	11.3
	34292820	82 × 450 × 1 1/4"	11.3
	34292821	92 × 450 × 1 1/4"	11.3
	34292823	102 × 450 × 1 1/4"	11.3
	34292824	107 × 450 × 1 1/4"	11.3
	34292826	112 × 450 × 1 1/4"	11.3
	34292827	122 × 450 × 1 1/4"	11.3
	34292828	127 × 450 × 1 1/4"	11.3
	34292829	132 × 450 × 1 1/4"	11.3
	34292830	142 × 450 × 1 1/4"	11.3
	34292831	152 × 450 × 1 1/4"	11.3
	34292832	162 × 450 × 1 1/4"	11.3
	34292833	182 × 450 × 1 1/4"	11.3
34292834	202 × 450 × 1 1/4"	11.3	
34292835	250 × 450 × 1 1/4"	11.3	



CDM Wet drill bits for reinforced concrete



Application:

- + For working with medium to very hard concrete aggregates
- + Ø 52 mm to 300 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 3.0 kW

We recommend:

- + For highly abrasive concrete

Features:

- + Quality tool for daily use
- + Convincing ratio of drilling speed and service life
- + Universal use and reliable quality



HOHL1D

Type number	Dimension	Segment height
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



Application:


- + For working with soft to hard concrete aggregates
- + Ø 47 mm to 250 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 2.5 kW

We recommend:

- + For low to medium abrasive concrete

Features:


- + Quality tool for daily use

	Type number	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	

Drill segments for wet drill bits (brazed)


★★★
PREMIUM

DSL-C5 Drill segment

		Type number	Dimension	Diameter range
	Seg	34657988	24 x 3.5 x 11.3	47-52
		34657989	24 x 3.5 x 11.3	57-75
		34657990	24 x 3.5 x 11.3	76-97
		34657991	24 x 3.5 x 11.3	98-124
		34657992	24 x 3.5 x 11.3	125-154
		34654740	24 x 4.0 x 11.3	125-154
		34657957	24 x 4.0 x 11.3	155-186
		34654741	24 x 4.0 x 11.3	187-289


★★★
PREMIUM

DSL-C5 Drill segment

		Type number	Dimension	Diameter range
	Seg	34654742	24 x 4 x 11,3	125-154
		34657952	24 x 4 x 11,3	155-186
		34654743	24 x 4 x 11,3	187-289


★★★
PREMIUM

DSL Drill segment

		Type number	Dimension	Diameter range
	Seg	34191908	24 x 3.5 x 11.3	47
		34075635	24 x 3.5 x 11.3	52
		34590355	24 x 4.0 x 11.3	57-75
		34075636	24 x 3.5 x 11.3	57-75
		34017966	24 x 3.5 x 11.3	76-84
		34017967	24 x 3.5 x 11.3	85-97
		34017968	24 x 3.5 x 11.3	98-124
		34251363	24 x 4.0 x 11.3	98-124
		34017970	24 x 3.5 x 11.3	125-129
		34017974	24 x 4.5 x 11.3	125-154
		34017972	24 x 4.0 x 11.3	155-186
		34017975	24 x 4.5 x 11.3	155-186
		34017973	24 x 4.0 x 11.3	187-289
		34017976	24 x 4.5 x 11.3	187-289




DSM Drill segment

		Type number	Dimension	Diameter range
	Seg	34017977	24 x 3.5 x 11.3	76-84
		34017978	24 x 3.5 x 11.3	85-97
		34017981	24 x 3.5 x 11.3	98-124
		34590356	24 x 4.0 x 11.3	98-124
		34017982	24 x 3.5 x 11.3	125-129
		34017986	24 x 4.5 x 11.3	125-154
		34017983	24 x 4.0 x 11.3	130-154
		34017984	24 x 4.0 x 11.3	155-186
		34017987	24 x 4.5 x 11.3	155-186
		34017985	24 x 4.0 x 11.3	187-289
		34017988	24 x 4.5 x 11.3	187-289
		754180	20 x 5.0 x 11.3	250-1 500




DSXH Drill segment

		Type number	Dimension	Diameter range
	Seg	34206082	24 x 3.5 x 11.3	47-52
		34156175	24 x 3.5 x 11.3	57-75
		34156176	24 x 3.5 x 11.3	76-97
		34156177	24 x 3.5 x 11.3	98-124
		34180972	24 x 3.5 x 11.3	125-127
		34156178	24 x 4.0 x 11.3	125-154
		34156179	24 x 4.0 x 11.3	155-186
		34156180	24 x 4.0 x 11.3	187-289
		34156201	24 x 4.5 x 11.3	187-350
		34181000	20 x 5.0 x 11.3	300-1 500
		34181001	20 x 5.5 x 11.3	300-1 500




DSXM Drill segment

		Type number	Dimension	Diameter range
	Seg	34206083	24 x 3.5 x 11.3	47-52
		34251080	24 x 4.0 x 11.3	47-52
		34156202	24 x 3.5 x 11.3	57-75
		34250908	24 x 4.0 x 11.3	57-75
		34156203	24 x 3.5 x 11.3	76-97
		34250909	24 x 4.0 x 11.3	76-97
		34156204	24 x 3.5 x 11.3	98-124
		34229688	24 x 4.0 x 11.3	98-124
		34180806	24 x 3.5 x 11.3	125-127
		34156208	24 x 4.0 x 11.3	125-154
		34156209	24 x 4.0 x 11.3	155-186
		34156210	24 x 4.0 x 11.3	187-289
		34156211	24 x 4.5 x 11.3	187-289
		34180995	20 x 5.0 x 11.3	300-1 500
		34180998	20 x 5.5 x 11.3	300-1 500
		34427355	20 x 6.5 x 11.3	300-1 500
		34427357	20 x 7.5 x 11.3	300-1 500




DS840 Drill segment

		Type number	Dimension	Diameter range
	Seg	34635029	24 x 3.5 x 11.3	47-52
		34635030	24 x 3.5 x 11.3	57-61
		34643095	24 x 3.5 x 11.3	62-75
		34205644	24 x 3.5 x 11.3	76-97
		34183723	24 x 3.5 x 11.3	98-124
		34226140	24 x 3.5 x 11.3	125-127
		34183724	24 x 4.0 x 11.3	128-154
		34205645	24 x 4.0 x 11.3	155-186
		34205646	24 x 4.0 x 11.3	187-289
		34226181	24 x 4.5 x 11.3	187-289
		34226182	20 x 5.0 x 11.3	300-1 500




DS640 Drill segment

		Type number	Dimension	Diameter range
	Seg	34205825	24 x 3.5 x 11.3	47-52
		34226135	24 x 3.5 x 11.3	57-61
		34205633	24 x 3.5 x 11.3	62-75
		34205638	24 x 3.5 x 11.3	76-97
		34183721	24 x 3.5 x 11.3	98-124
		34226136	24 x 3.5 x 11.3	125-127
		34183722	24 x 4.0 x 11.3	128-154
		34205640	24 x 4.0 x 11.3	155-186
		34205642	24 x 4.0 x 11.3	187-289
		34226137	24 x 4.5 x 11.3	187-289
		34226138	20 x 5.0 x 11.3	300-1 500
		34316865	20 x 5.5 x 11.3	300-1 500



DS660 Drill segment

		Type number	Dimension	Diameter range
	Seg	34205824	24 x 3.5 x 11.3	47-52
		34226044	24 x 3.5 x 11.3	57-61
		34205292	24 x 3.5 x 11.3	62-75
		34205635	24 x 3.5 x 11.3	76-97
		34183709	24 x 3.5 x 11.3	98-124
		34226062	24 x 3.5 x 11.3	125-127
		34183710	24 x 4.0 x 11.3	128-154
		34205639	24 x 4.0 x 11.3	155-186
		34205641	24 x 4.0 x 11.3	187-289
		34226063	24 x 4.5 x 11.3	187-289
		34226064	20 x 5.0 x 11.3	300-1 500



DSL Drill segment



Seg

Type number	Dimension	Diameter range
34284151	24 x 3.5 x 11.3	47-52
34284152	24 x 3.5 x 11.3	57-72
34284153	24 x 3.5 x 11.3	77-97
34284154	24 x 3.5 x 11.3	102-127
34284155	24 x 4.0 x 11.3	132-152
34284156	24 x 4.0 x 11.3	158-182
34284157	24 x 4.0 x 11.3	187-250
34318080	24 x 4.5 x 11.3	187-350
34316863	20 x 5.0 x 11.3	300-1 500



DSM Drill segment



Seg

Type number	Dimension	Diameter range
34284158	24 x 3.5 x 11.3	47-52
34284159	24 x 3.5 x 11.3	57-72
34284160	24 x 3.5 x 11.3	77-97
34284161	24 x 3.5 x 11.3	102-127
34284163	24 x 4.0 x 11.3	128-152
34385358	24 x 4.5 x 11.3	155-186
34284164	24 x 4.0 x 11.3	158-182
34284165	24 x 4.0 x 11.3	187-250
34333846	20 x 4.3 x 11.3	300-1 500



B1 Drill segment



Seg

Type number	Dimension	Diameter range
34193727	24 x 3.5 x 11.3	47-52
34190878	24 x 3.5 x 11.3	57-75
34230976	24 x 4.0 x 11.3	57-75
34190892	24 x 3.5 x 11.3	76-97
34255823	24 x 4.0 x 11.3	76-97
34190893	24 x 3.5 x 11.3	98-124
34229138	24 x 4.0 x 11.3	98-124
34239778	24 x 3.5 x 11.3	125-127
34186052	24 x 4.0 x 11.3	125-154
34190894	24 x 4.0 x 11.3	155-186
34190895	24 x 4.0 x 11.3	187-289

Technologies

Core drilling

Wall sawing

Wire sawing

Floor sawing

Drives

Free hand


Table sawing

Further applications

Notes


Accessories wet drill bits

Adapter

		Type number	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	¾" Male	R½" Male
		34631677	1¼" Female	GR-F
		34668425	1¼" Female	6-LOCH

Accessories wet drill bits

Sharpening plates


		Type number	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 number	Connection
		34277925	R½" and 1 ¼"
		34238375	R½" und 1 ¼"
		20034653	M16


Accessories wet drill bits

Brazing magnets

		Type number	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 number	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

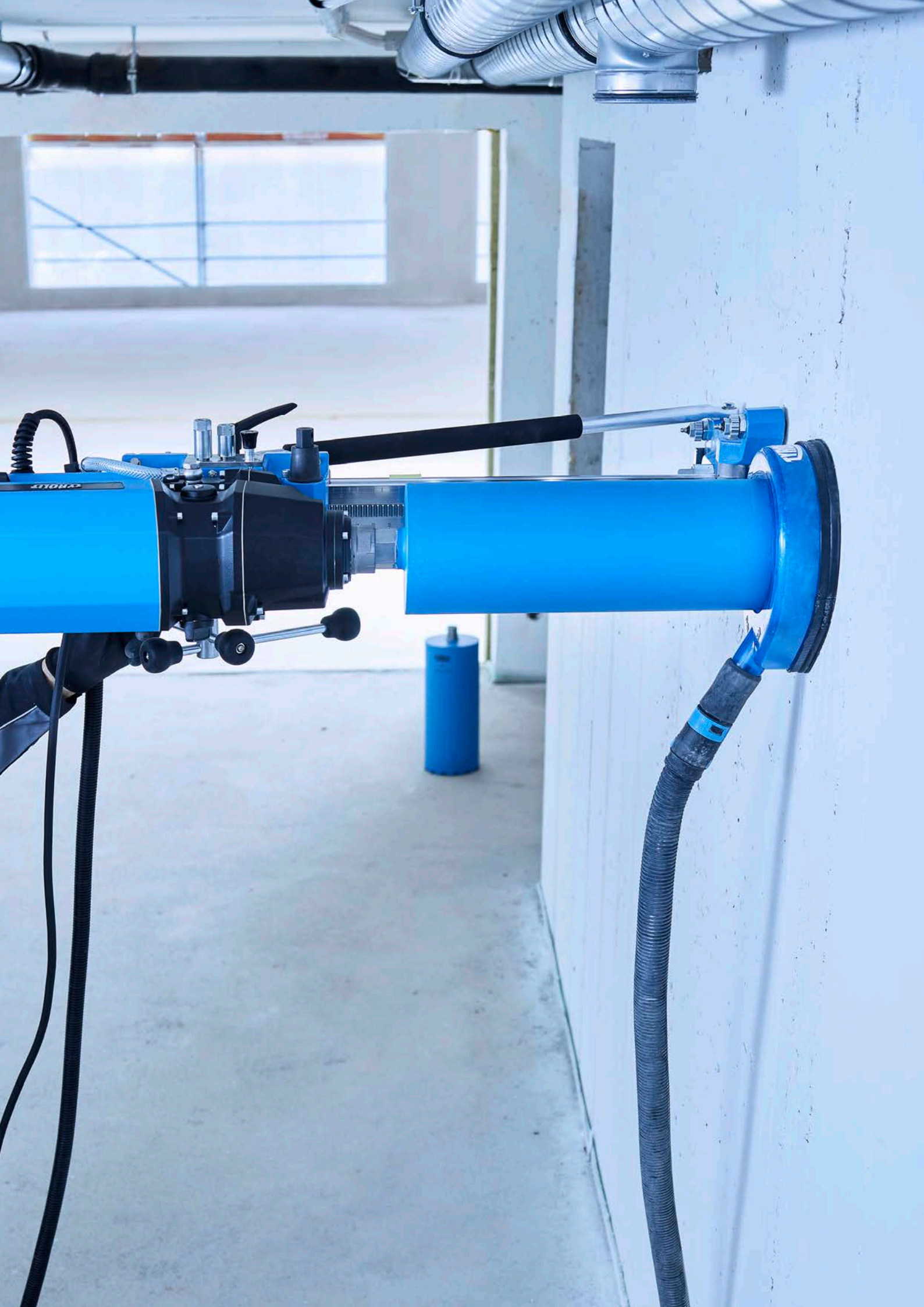
Water liners

		Type number	Connection	Tool connection
	WSPB	478074	SW12	R½"

Accessories wet drill bits

Laser centre indicator

	Type number	Description
	11002451	Laser centre indicator for ModulDrill™ drill rigs



Water collection rings



Water collection rings Ø 100-350 mm

Type number	Product name
11012012	Water collection ring WSR100
11012013	Water collection ring WSR150
11012094	Water collection ring WSR200
11012095	Water collection ring WSR250
11012096	Water collection ring WSR300
11012097	Water collection ring WSR350



Water collection rings Ø 400-1000 mm

Type number	Product name
11012123	Water collection ring WSR400
11012124	Water collection ring WSR500
11012125	Water collection ring WSR600
11012126	Water collection ring WSR700
11012127	Water collection ring WSR800 K50
11012128	Water collection ring WSR900 K50
11012129	Water collection ring WSR1000 K50



Rubber gaskets to glue Ø 100-350 mm

Type number	Product name	Additional information
11012951	Rubber gasket WSR100	Drilling range Ø 10-90 mm
11012941	Rubber gasket WSR150	Drilling range Ø 10-140 mm
11012942	Rubber gasket WSR200	Drilling range Ø 10-190 mm
11012943	Rubber gasket WSR250	Drilling range Ø 10-240 mm
11012944	Rubber gasket WSR300	Drilling range Ø 10-290 mm
11012945	Rubber gasket WSR350	Drilling range Ø 10-340 mm




Rubber gaskets to glue, with cut-out Ø 100-600 mm


Type number	Product name	Additional information
11012098	Rubber gasket WSR100	Drilling range Ø 10-90 mm
11012099	Rubber gasket WSR150	Drilling range Ø 50-140 mm
11012181	Rubber gasket WSR 200	Drilling range Ø 150-190 mm
11012101	Rubber gasket WSR250	Drilling range Ø 200-240 mm
11012102	Rubber gasket WSR300	Drilling range Ø 250-290 mm
11012103	Rubber gasket WSR350	Drilling range Ø 300-340 mm
11012946	Rubber gasket WSR400	Drilling range Ø 350-390 mm
11012947	Rubber gasket WSR500	Drilling range Ø 450-490 mm
11012948	Rubber gasket WSR600	Drilling range Ø 550-590 mm




Rubber gaskets quick-exchange system DSSV, as an upgrade Ø 100-700 mm

	Type number	Product name
	11012104	Quick-exchange system DSSV Ø 100
	11012105	Quick-exchange system DSSV Ø 150
	11012106	Quick-exchange system DSSV Ø 200
	11012107	Quick-exchange system DSSV Ø 250
	11012108	Quick-exchange system DSSV Ø 300
	11012109	Quick-exchange system DSSV Ø 350
	11012959	Quick-exchange system DSSV Ø 400
	11012960	Quick-exchange system DSSV Ø 500
	11012961	Quick-exchange system DSSV Ø 600
	11012962	Quick-exchange system DSSV Ø 700


Rubber gaskets for quick-exchange DSSV Ø 100-350 mm

	Type number	Product name	Additional information
	11012110	Rubber gasket DSSV for WSR100	Drilling range Ø 10-90 mm; 8,5
	11012111	Rubber gasket DSSV for WSR150	Drilling range Ø 10-140 mm; 8,5
	11012112	Rubber gasket DSSV for WSR200	Drilling range Ø 10-190 mm; 8,5
	11012113	Rubber gasket DSSV for WSR250	Drilling range Ø 10-240 mm; 8,5
	11012114	Rubber gasket DSSV for WSR300	Drilling range Ø 10-290 mm; 8,5
	11012115	Rubber gasket DSSV for WSR350	Drilling range Ø 10-240 mm; 8,5



Rubber gaskets for quick-exchange DSSV, with cut-out Ø 100-600 mm

	Type number	Product name	Additional information
	11012949	Rubber gasket DSSV for WSR100	Drilling range Ø 10-100 mm; 8,5
	11012950	Rubber gasket DSSV for WSR150	Drilling range Ø 50-140 mm; 8,5
	11012952	Rubber gasket DSSV for WSR200	Drilling range Ø 150-190 mm; 8,5
	11012953	Rubber gasket DSSV for WSR250	Drilling range Ø 200-240 mm; 8,5
	11012954	Rubber gasket DSSV for WSR300	Drilling range Ø 250-290 mm; 8,5
	11012955	Rubber gasket DSSV for WSR350	Drilling range Ø 300-240 mm; 8,5
	11012956	Rubber gasket DSSV for WSR400	Drilling range Ø 350-390 mm; 8,5
	11012957	Rubber gasket DSSV for WSR500	Drilling range Ø 450-490 mm; 8,5
	11012958	Rubber gasket DSSV for WSR600	Drilling range Ø 550-590 mm; 8,5

Complete water collection rings with quick-exchange system and rubber gaskets Ø 100-700 mm

	Type number	Product name
	11012116	Complete WSR100 DSSV
	11012117	Complete WSR150 DSSV
	11012118	Complete WSR200 DSSV





	Type number	Product name
	11012119	Complete WSR250 DSSV
	11012120	Complete WSR300 DSSV
	11012121	Complete WSR350 DSSV
	11012963	Complete WSR400 DSSV
	11012964	Complete WSR500 DSSV
	11012965	Complete WSR600 DSSV
	11012966	Complete WSR700 DSSV
	11012122	Rubber sealing sold by meter


Fastening Tools

Concrete anchor (entry depth 100 mm)








	Type number	Product name	Additional information
	11012130	Concrete anchor K50/135 M12	
	11012131	Concrete anchor K50/65	Useful length 65 mm
	11012132	Concrete anchor K50/110	Useful length 110 mm
	11012133	Concrete anchor K50/165	Useful length 165 mm
	11012134	Concrete anchor K50/165E screed	Useful length 165 mm
	11012135	Concrete anchor K50/300	Useful length 300 mm
	11012136	Concrete anchor K50/400	Useful length 400 mm
	11012137	Concrete anchor K50/600	Useful length 600 mm
	11012138	Concrete anchor K50/800	Useful length 800 mm
	11012139	Concrete anchor K50/1 000	Useful length 1 000 mm
	11012140	Testing tool for K50-concrete anchor	

Fastening anchors M12 or M16

	Type number	Product name	Additional information
	11012141	Fastening anchor M12/K15/180	Total length 180 mm
	11012142	Fastening anchor M12/K15/250	Total length 250 mm
	11012143	Fastening anchor M12/K15/260 screed	Total length 260 mm
	11012144	Fastening anchor M12/K15/500	Total length 500 mm
	11012145	Fastening anchor M12/K15/800	Total length 800 mm
	11012146	Fastening anchor M12/K15/1000	Total length 1 000 mm
	11012147	Fastening anchor M16/K15/250	Total length 250 mm

Cup nuts


	Type number	Product name	Additional information
	11012151	Nut size S	
	11012152	Nut size M	
	11012153	Nut size L	
	11012974	K50 nut M12 with movable washer	Ø 25 mm SW19
	11012975	K50 nut M12 with movable washer	Ø 32 mm SW19






Other accessories






Multi-mounting plate MFP 420V

	Type number	Product name	Additional information
	11012154	Multi-mounting plate MFP 420V	Stable and secure mounting on all surfaces with just one mounting hole or by vacuum


Lifting devices

	Type number	Product name
	11012155	Lifting device 2 tons long AHL2
	11012156	Lifting device 500 kg AHV
	11012157	Long socket for ratchet


Quick-release columns

	Type number	Product name	Additional information
	11012158	Quick-release column max. 90	Height 575-910 mm; max. load 350 kg
	11012159	Quick-release column max. 250	Height 1 450-2 500 mm; load 160-350 kg
	11012160	Quick-release column max. 300	Height 1 700-3 000 mm; load 110-350 kg
	11012161	Quick-release column max. 370	Height 2 070-3 700 mm; load 65-350 kg
	11012162	Work tripod for quick-release column max.	
	11012163	Square connection rod for quick-release column	


Core catch trays

	Type number	Product name
	11012164	Core catch tray 300 x 300 mm
	11012165	Core catch tray 500 x 500 mm
	11012166	Core catch tray 600 x 600 mm
	11012167	Core catch tray 500 x 700 mm
	11012168	Core catch tray 300 x 1 000 mm
	11012169	Core catch tray 500 x 1 000 mm

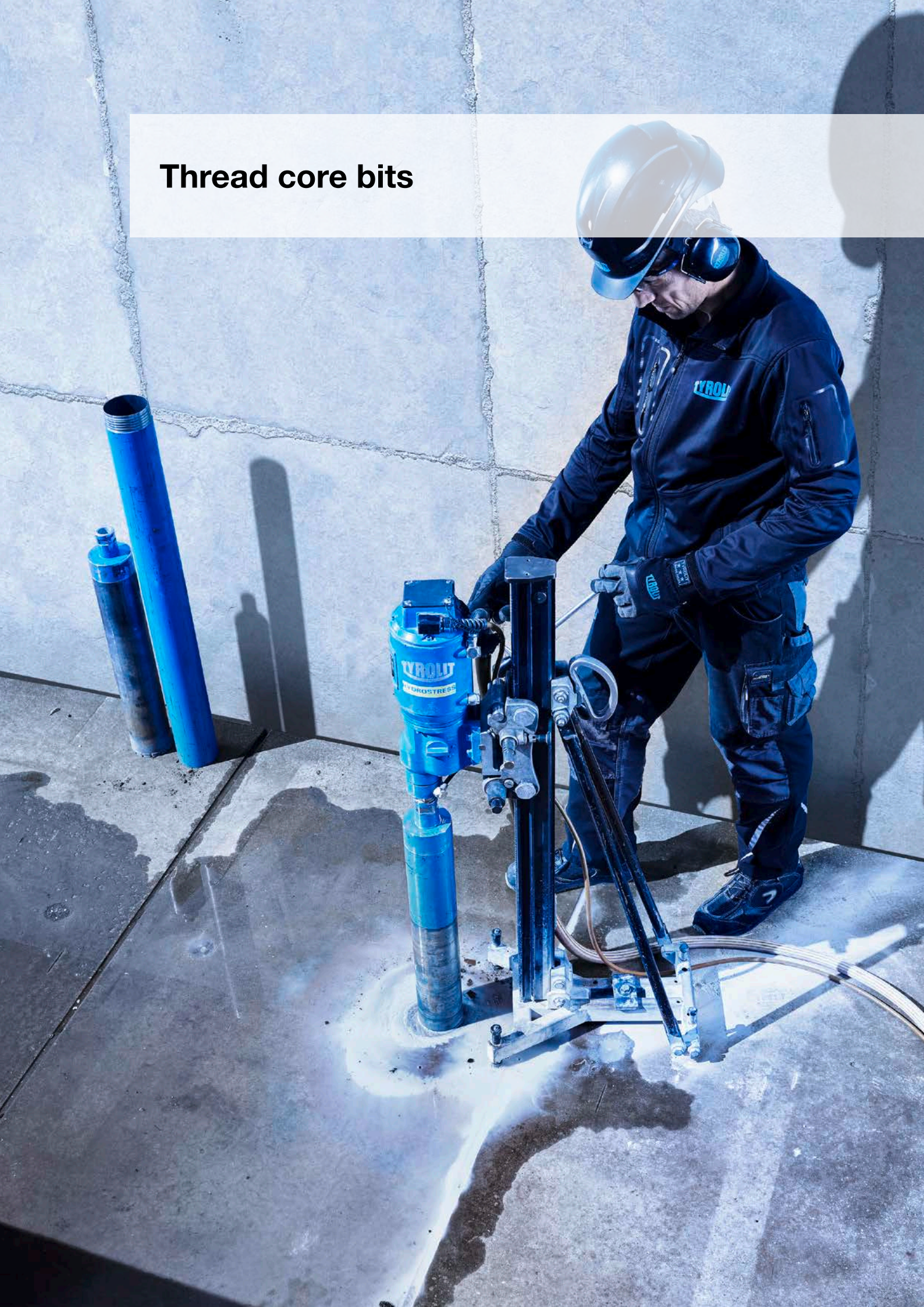
Core pusher

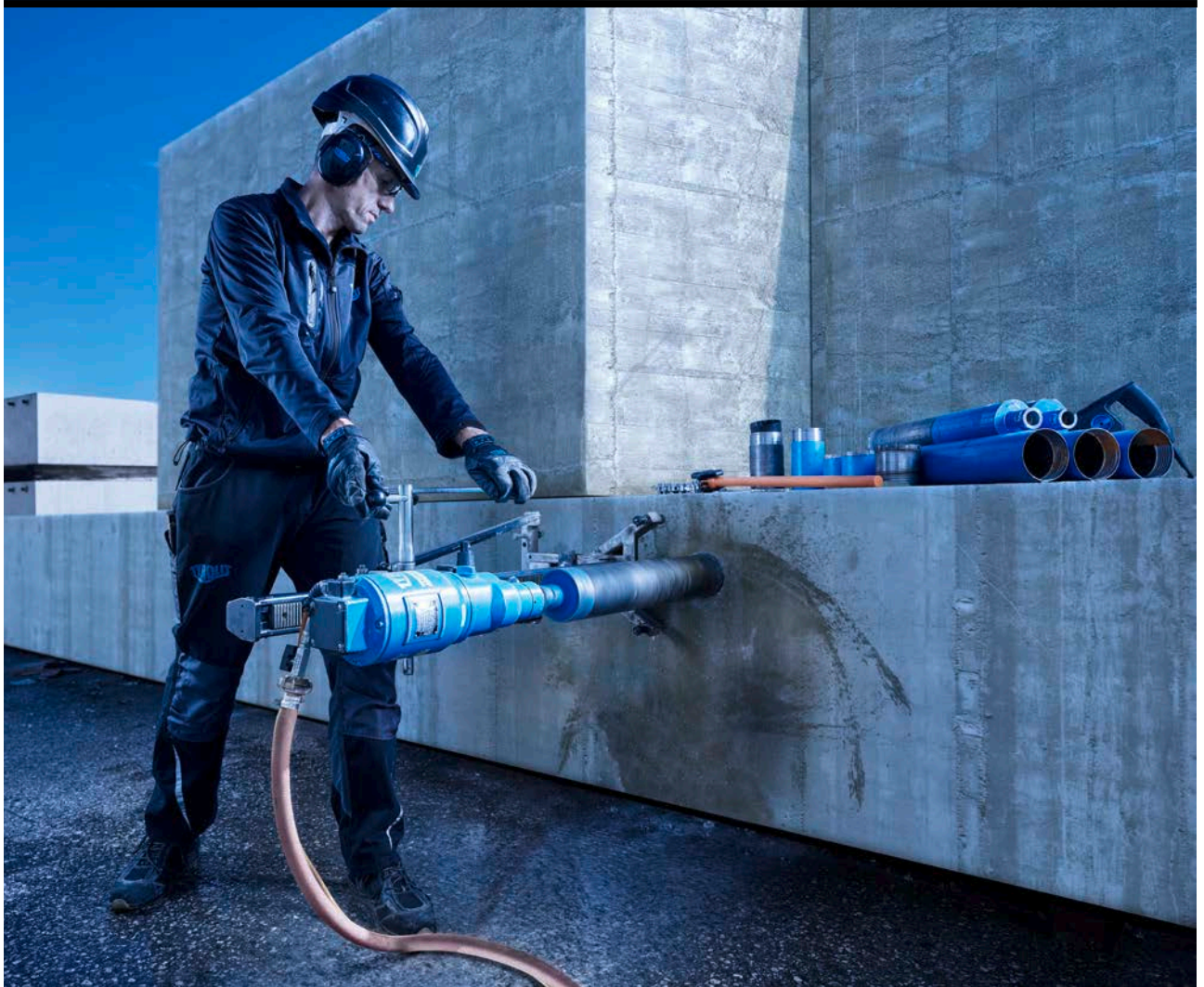
	Type number	Product name
	11012170	Core pusher zinc-plated
	11012171	Core spindle K50-600
	11012172	Core spindle K50-1 000
	11012173	Core pulling hammer + stopper (without anchor)

Vacuum core lifter

	Type number	Product name	Additional information
	11012967	Vacuum core lifter aluminium Ø140	Max. weight: 25 kg (vacuum cleaner) max. 50 kg (vacuum pump)
	11012968	Adapter vacuum core lifter	
	11012969	Adapter vacuum core lifter vacuum pump	

Thread core bits





Thread core bits with diamond segments

The modern construction industry requires tools that are both powerful and versatile.

The thread core bits by Tyrolit with exchangeable drill heads enable drilling depths of up to 40 metres. The modular design and separate

core catchers increase adaptability and ease of maintenance to realise deep drilling projects efficiently and precisely.

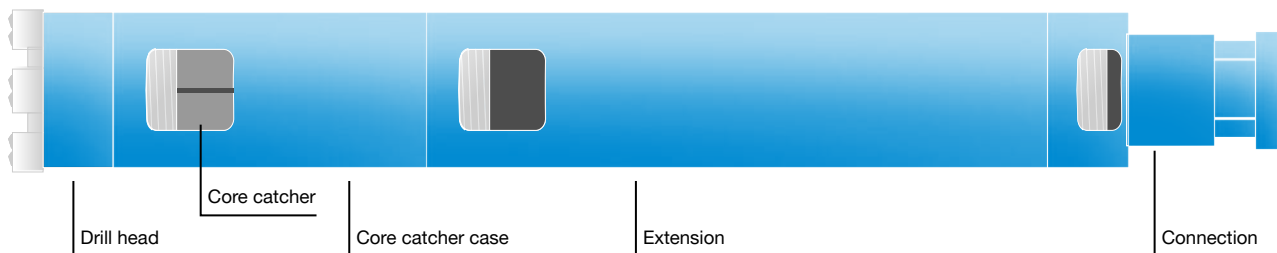
Precision and flexibility in deep drilling technology

The Tyrolit threaded core bit with exchangeable drill heads is ideal for the construction industry as it is powerful and adaptable. The extensions allow a drilling depth of up to 40 metres in variable steps, while the core catcher and core catcher case simplify maintenance.

Product features at a glance

- + Exchangeable thread drill bit heads with impregnated diamonds
- + Extensions up to 40 m drilling depth, extendable in steps of 0.25 / 0.5 / 1.0 m
- + Core catcher & core catcher case separated from the diamond wear module

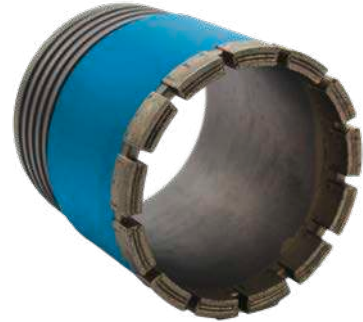
Diameter in mm						
20	25	30	35	40	45	50
64	72	82	92	102	112	122
137	152	162	182	202	212	252
300	Diameter 300 mm on request					





CDNX-DCI drill head with impregnated diamonds

- + Best results at peripheral speeds of 3-4 m/s
- + Exchangeable drill head with impregnated diamond segments
- + Good cutting ability and reliability
- + Recommended for reinforced concrete and hard rock such as granite and gneiss
- + **For drill motors from 3.5 kW - depending on diameter and application**



Stabiliser

- + To support the stabilisation of horizontal bores > 3 m
- + Where the tolerances of the drilling direction are very limited
- + Should ideally be used to stabilise approx. 1/3 of the drilling depth
- + Modular and flexible system

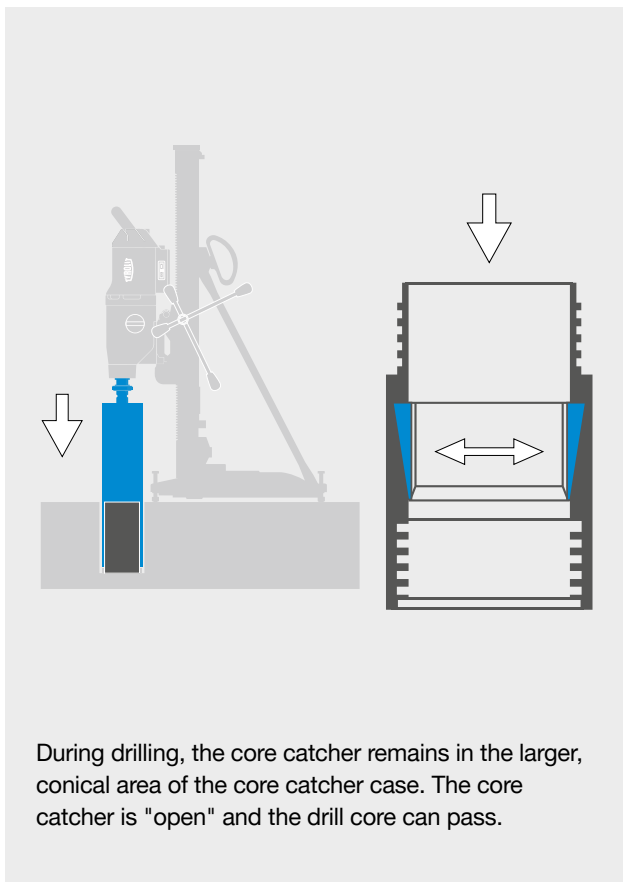


Drilling depth [m]	Stabilisation length [m]	Stabilisers - required pieces per drilling depth
2	-	-
3	1.0	2
4	1.5	
5	2.0	
6	2.0	3
7	2.5	
8	3.0	
9	3.0	
10	3.5	4
11	3.5	
12	4.0	
15	5.0	
18	6.0	5
21	7.0	
24	8.0	6
>24	8.0	

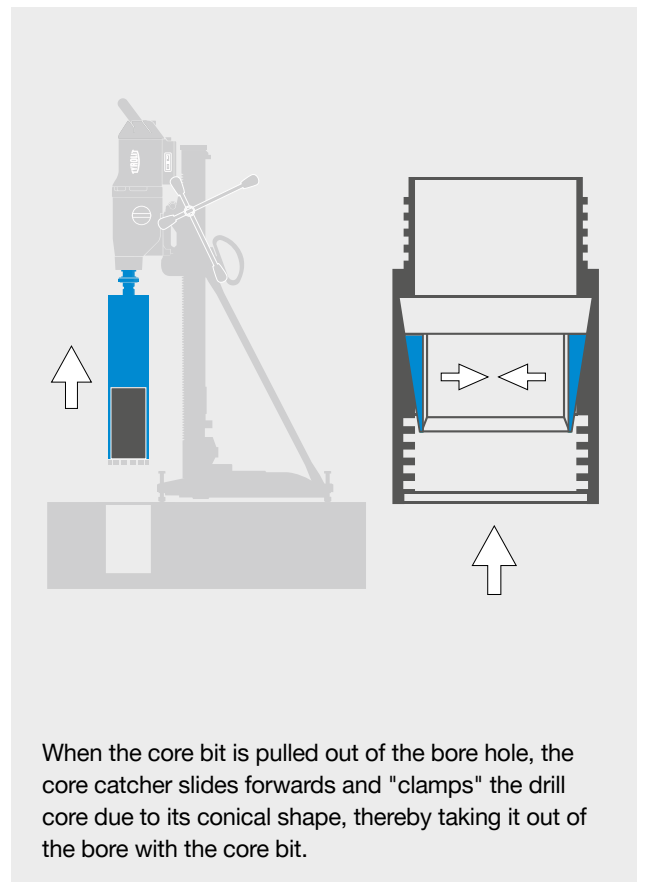
Note: Stabilisers can reduce drilling deviations, but not prevent them if other factors such as drill stand misalignment or material fracture / material inhomogeneity are present.

Core catcher & core catcher case

- + Reliable and easy removal of the drill core
- + Two separate components, separate from the diamond wear module
- + The core catcher runs during drilling operation
- + The core drill is only clamped when it is pulled out of the bore



During drilling, the core catcher remains in the larger, conical area of the core catcher case. The core catcher is "open" and the drill core can pass.



When the core bit is pulled out of the bore hole, the core catcher slides forwards and "clamps" the drill core due to its conical shape, thereby taking it out of the bore with the core bit.



CDNX-DCI drill head
for reinforced concrete and hard stone such as granite, gneiss




Application:

- + Ø 20 mm to 300 mm
- + For drill motors from 3.5 kW – depending on diameter and application

Features:

- + Replaceable drill head with set diamonds
- + Easy to cut and reliable
- + Best results at peripheral speeds of 3–4 m/s

	Shape	Type number	External Ø	Internal Ø
	HOHLDC	34366768	20	9
		34366935	25	13
		34366936	30	18
		34366939	35	23
		34366940	40	28
		34366953	45	33
		34366957	50	38
		34366958	64	51
		34366959	72	58
		34366960	82	68
		34366968	92	78
		34366989	102	88
		34366990	112	98
		34367002	122	108
		34367003	137	123
		34367004	152	138
		34367010	162	148
		34367011	182	168
		34367012	202	188
		34367014	212	198
	34408480	252	238	
	34544860	300	279	



Connection for thread core bits




We recommend:

+ After mounting, the use of a 500 mm extension is recommended

Features:

- + 1 1/4" mount on the motor side
- + Further mountings available on request


	Shape	Type number	External Ø	Connection
	HAUFN	34366531	20	1 ¼"
		34366532	25	1 ¼"
		34366535	30	1 ¼"
		34366536	35	1 ¼"
		34366537	40	1 ¼"
		34366538	45	1 ¼"
		34366571	50	1 ¼"
		34366572	64	1 ¼"
		34366573	72	1 ¼"
		34366574	82	1 ¼"
		34366575	92	1 ¼"
		34366576	102	1 ¼"
		34366577	112	1 ¼"
		34366578	122	1 ¼"
		34366579	137	1 ¼"
		34366580	152	1 ¼"
		34366581	162	1 ¼"
		34366582	182	1 ¼"
		34366583	202	1 ¼"
		34366584	212	1 ¼"
		34408481	252	1 ¼"
		34544882	300	1 ¼"

Extensions for thread core bits



Features:

- + Individually extendable until the required drilling depth is reached
- + Extensions available in 250 mm, 500 mm and 1 000 mm, further extensions on request

	Shape	Type number length 1,000 mm	Type number length 500 mm	Type number length 250 mm	External Ø
	HVERL	34379176	34366441	34535153	20
		34379177	34366443	34535154	25
		34379178	34366444	34535155	30
		34379179	34366445	34535156	35
		34379180	34366446	34535157	40
		34379201	34366447	34535158	45
		34379251	34366448	34535159	50
		34379252	34366449	34535160	64
		34379253	34366450	34535171	72
		34379254	34366461	34535172	82
		34379255	34366462	34535173	92
		34379259	34366466	34535174	102
		34379260	34366467	34535175	112
		34379281	34366468	34535176	122
		34379282	34366469	34535177	137
		34379283	34366470	34535178	152
		34379284	34366511	34535180	162
		34379285	34366514	34535181	182
		34379286 *	34366515	34535182	202
		34379287	34366516	34535183	212
34408485	34408483	34535184	252		
-		34544876	34544885	300	


* not available

Core catcher and core catcher case for thread core bits



Features:

- + The core catcher case and the core catcher installed in it ensure easy and reliable drill core removal
- + Due to the conical design of the core catcher housing, the drill core is clamped by the core catcher and removed when pulled out of the borehole.

Shape	Type number Core catcher	Type number Core catcher case	External Ø	
	CATCH / CATCH H	34366254	34366234	35
		34366255	34366235	40
		34366256	34366236	45
		34366257	34366237	50
		34366258	34366238	64
		34366259	34366239	72
		34366260	34366218	82
		34366271	34366240	92
		34366272	34366241	102
		34366273	34366242	112
		34366274	34366243	122
		34366275	34366244	137
		34366276	34366246	152
		34366277	34366247	162
		34366278	34366248	182
		34366279	34366249	202
		34366280	34366250	212
		34408488	34408489	252
		34544878	34544877	300

Reamer for thread core bits



Application:

- + Typical service life: 4–5 drill holes


We recommend:

- + Only one reamer should be mounted after the core catcher case. If no core catcher case is used, the scraper must be mounted directly after the drill head.
- + The use of a scraper is advisable for drill holes deeper than 10 - 12 m.
- + For abrasive materials, the use of a reamer is also recommended for shorter holes.

- + The number of reamers used for a drill hole depends on the service life of the drill head. If the drill hole is longer than the service life of the drill head, the use of a reamer is recommended.

Features:

- + Ensures that there is no increased friction between the thread core bit and the drill hole (even with increased wear on the drill head).


	Shape	Type number	External Ø
	REAMER	34366282	20
		34366283	25
		34366284	30
		34366285	35
		34366286	40
		34366287	45
		34366288	50
		34366289	64
		34366290	72
		34366301	82
		34366302	92
		34366303	102
		34366304	112
		34366305	122
		34366306	137
		34366356	152
		34366372	162
		34366373	182
34366375	202		
34366376	212		
34408487	252		

Stabilisers for thread core bits



Features:


- + Supports stabilisation during horizontal drilling and drilling deeper than 3 m

	Shape	Type number	External Ø
	STAB	34366411	25
		34366412	30
		34366413	35
		34366414	40
		34366415	45
		34366416	50
		34366417	64
		34366418	72
		34366419	82
		34366420	92
		34366431	102
		34366432	112
		34366433	122
		34366434	137
		34366435	152
		34366436	162
		34366438	182
		34366439	202
		34366440	212

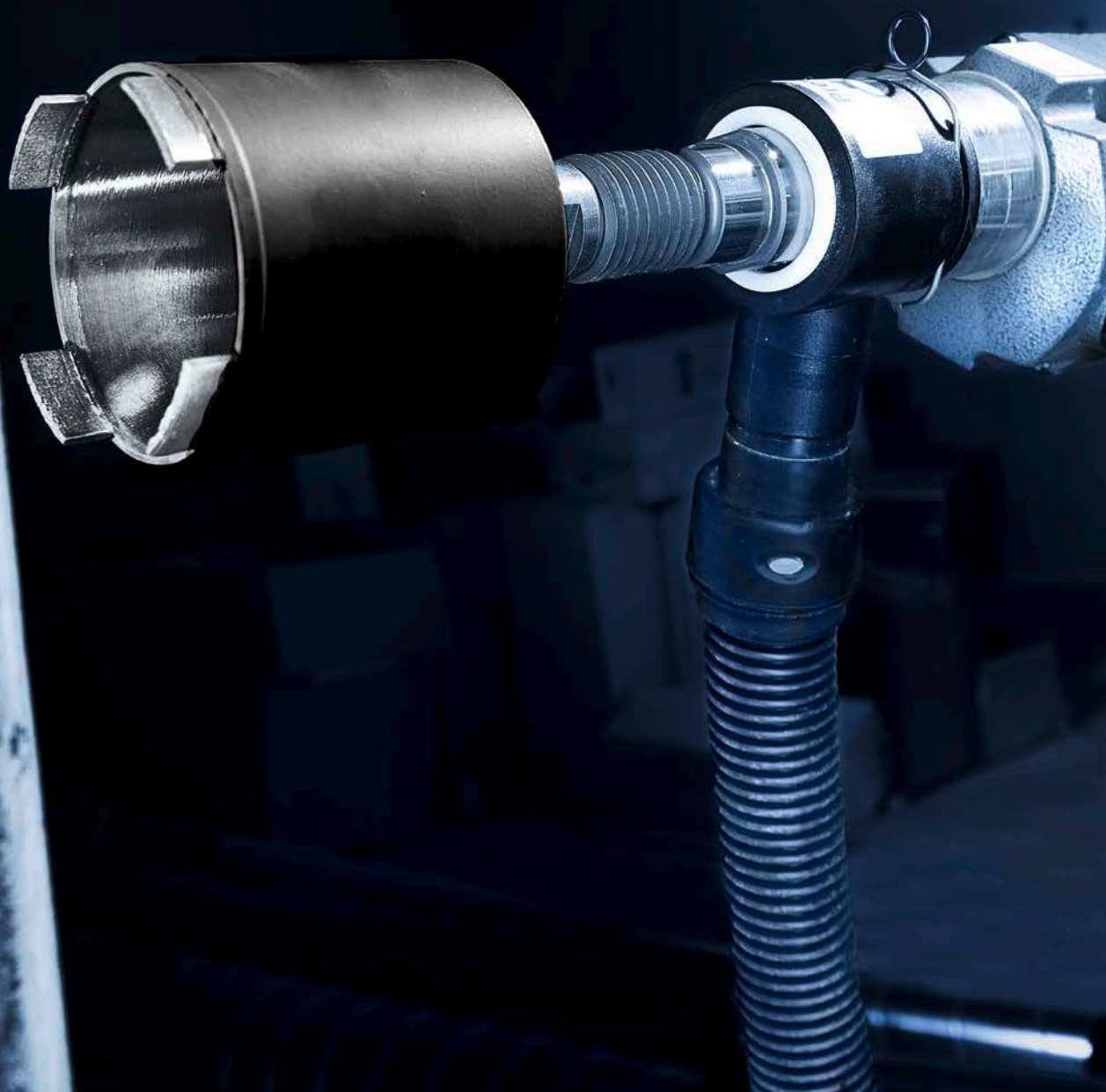
Chain whip wrench

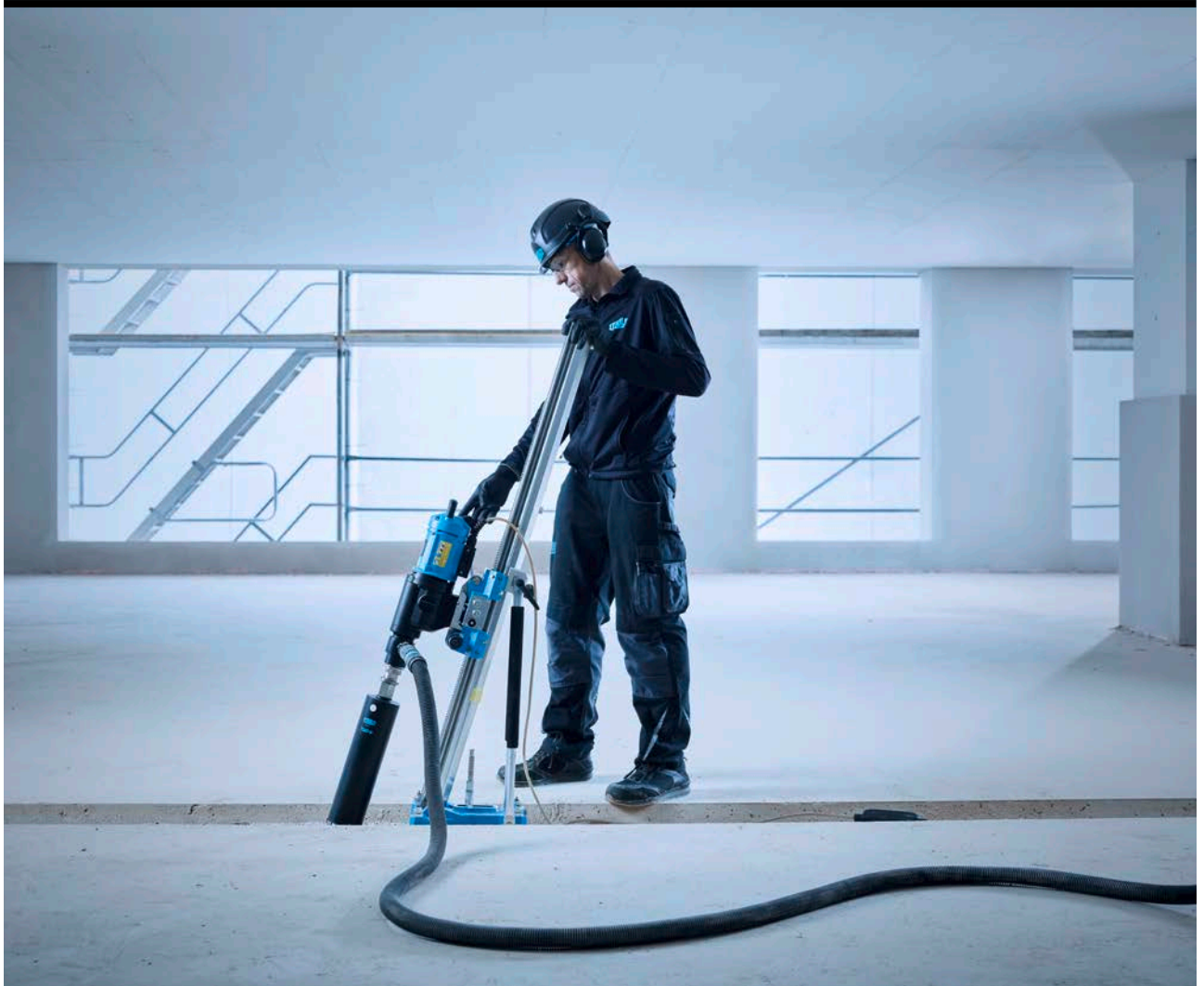


For loosening thread drill bits and extensions; conventional whip wrenches can be used for diameters over 72 mm.

	Shape	Type number	Ø range	Description
	WRENCH CW	34483189	72 - 115	386A/3
		34483311	122 - 168	386A/4
		34483312	169 - 220	386A/5
		34483313	221 - 324	386A/6

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!)	

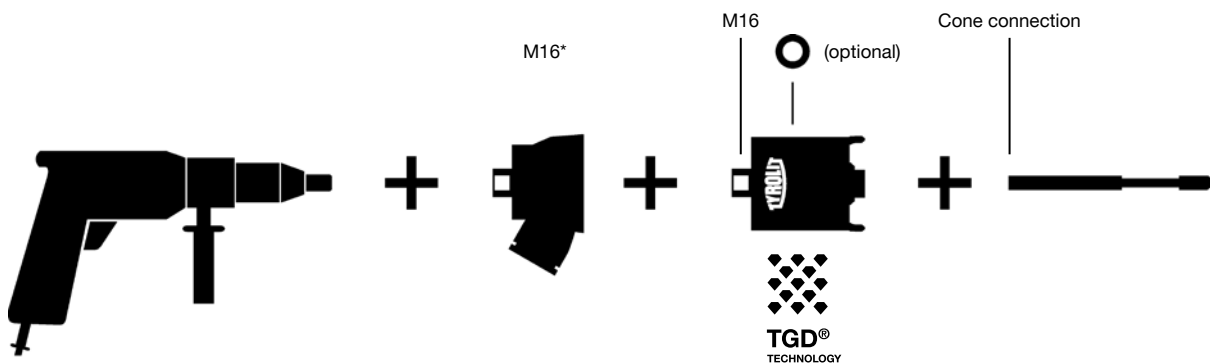
Service

- + 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 73.

NEW

★★★
PREMIUM**DDX-C3 dry drill bits**
for reinforced concrete | with TGD®+ Technology**Application:**

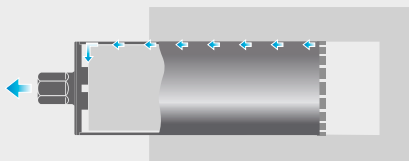
- + Ø 52 mm to 202 mm with a working length of 350 mm and 1 1/4" mounting
- + For 3 kW drill motors with soft impact function with stand-guided setup

Features:

- + Thanks to the innovative sandwich bond system of TGD®+ technology, efficiency is maximised and the profile is specifically controlled
- + Excellent and fast cutting performance thanks to high thermal load capacity
- + Higher running smoothness due to the degree of occupancy as with wet drilling

	Type number	Dimension	Segment height	Comment	
	HOHLT	34697620 *	52 x 350 x 1 1/4"	11.7	
		34697682	57 x 350 x 1 1/4"	11.7	
		34697673	62 x 350 x 1 1/4"	11.7	
		34697707	72 x 350 x 1 1/4"	11.7	
		34697709	82 x 350 x 1 1/4"	11.7	
		34697710	92 x 350 x 1 1/4"	11.7	
		34697722	102 x 350 x 1 1/4"	11.7	Support tube with integrated core stopper: 52 - 152mm
		34697726	107 x 350 x 1 1/4"	11.7	
		34697728	112 x 350 x 1 1/4"	11.7	
		34697729	122 x 350 x 1 1/4"	11.7	
		34697741	127 x 350 x 1 1/4"	11.7	
		34697744	132 x 350 x 1 1/4"	11.7	
		34697746	142 x 350 x 1 1/4"	11.7	
		34697747	152 x 350 x 1 1/4"	11.7	
		34697748	162 x 350 x 1 1/4"	11.7	
		34697749	172 x 350 x 1 1/4"	11.7	
		34697750	182 x 350 x 1 1/4"	11.7	
	34697751	192 x 350 x 1 1/4"	11.7		
	34697752	202 x 350 x 1 1/4"	11.7		

* Drill bits with a diameter of 52 mm can also be used manually with less powerful 2 kW class drill motors.

Functional principle of the core stopper

The core with the integrated core stopper ensures that the dust extraction remains open continuously and thus dust can continue to be extracted even after the concrete core has broken. In addition, it ensures that the cooling system for the segments can be maintained at all times.





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




Application:

- + For working on reinforced concrete, only recommended to a limited extent from Ø 142 mm
- + Ø 47 mm to 162 mm with a working length of 450 mm and 1 1/4" mounting
- + For drill motors up to 2.0 kW

Features:

- + With TGD® Technology
- + Consistently fast cutting performance and noticeably smooth running.
- + Ideal for stand-guided dry drilling and very long lifetime

		Type number	Dimension	Segment height
	HOHLT	34227784	47 x 450 x 1 1/4"	11.3
		34203041	52 x 450 x 1 1/4"	11.3
		34203212	57 x 450 x 1 1/4"	11.3
		34220540	62 x 450 x 1 1/4"	11.3
		34252978	72 x 450 x 1 1/4"	11.3
		34210273	82 x 450 x 1 1/4"	11.3
		34290041	92 x 450 x 1 1/4"	11.3
		34203220	102 x 450 x 1 1/4"	11.3
		34279921	107 x 450 x 1 1/4"	11.3
		34267610	112 x 450 x 1 1/4"	11.3
		34220543	122 x 450 x 1 1/4"	11.3
		34227727	132 x 450 x 1 1/4"	11.3
		34227728 *	142 x 450 x 1 1/4"	11.3
		34227729 *	152 x 450 x 1 1/4"	11.3
		DDL-RM larger than Ø 162 mm on request	34227730 *	162 x 450 x 1 1/4"

* reinforced concrete is conditionally recommended



DDL-HH-FAST CUT Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology




Application:

- + Ø 47 mm to 202 mm with a working length of 320 mm and 1 1/4" mounting
- + For drill motors up to 2.0 kW
- + 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, and the spiral grooves ensure a noticeable reduction in weight.

Features:

- + With TGD® Technology

		Type number	Dimension	Segment height
	HOHLTR	34583850	47 x 320 x 1 1/4"	11.3
		34583851	52 x 320 x 1 1/4"	11.3
		34583853	62 x 320 x 1 1/4"	11.3
		34583854	68 x 320 x 1 1/4"	11.3
		34583855	72 x 320 x 1 1/4"	11.3
		34583857	82 x 320 x 1 1/4"	11.3
		34583858	92 x 320 x 1 1/4"	11.3
		34583616	102 x 320 x 1 1/4"	11.3
		34585037	107 x 320 x 1 1/4"	11.3
		34583825	112 x 320 x 1 1/4"	11.3
		34583827	122 x 320 x 1 1/4"	11.3
		34583829	127 x 320 x 1 1/4"	11.3
		34583830	132 x 320 x 1 1/4"	11.3
		34583842	138 x 320 x 1 1/4"	11.3
		34583843	142 x 320 x 1 1/4"	11.3
		34583844	152 x 320 x 1 1/4"	11.3
		34583845	162 x 320 x 1 1/4"	11.3
		34583846	172 x 320 x 1 1/4"	11.3
		34583847	182 x 320 x 1 1/4"	11.3
		34585040	187 x 320 x 1 1/4"	11.3
34583849	202 x 320 x 1 1/4"	11.3		



DDM-HH-FAST CUT Dry drill bits

for lightly reinforced concrete & masonry | in TGD® Technology




Application:

- + Ø 47 mm to 202 mm with a working length of 320 mm and 1 1/4" mounting
- + For drill motors up to 2.0 kW

- + 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, and the spiral grooves ensure a noticeable reduction in weight.

Features:

- + With TGD® Technology

	Type number	Dimension	Segment height
	HOHLTR		
	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
	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




Application:

- + Ø 52 mm to 225 mm with a working length of 280 mm and 1 1/4" mounting

Features:

- + With TGD® Technology
- + Dry drill bit for hand-guided drilling impresses with a longer working length of 280 mm and improved segments for the highest safety requirements

	Type number	Dimension	Segment height
	HOHLT		
	34482398	52 × 280 × 1¼"	11.3
	34482399	62 × 280 × 1¼"	11.3
	34482400	66 × 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



Application:

- + Ø 52 mm to 172 mm with a working length of 150 mm and M16 mounting
- + For hand-held drilling

Features:

- + With TGD® Technology
- + Clean and efficient working



HOHLT

Type number	Dimension	Segment height
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



Application:

- + Tool for installing plug and distribution boxes as well as for smaller breakthrough work
- + Ø 68 mm and Ø 82 mm with a working length of 70 mm and M16 mounting

- + For hand-guided applications.

Features:

- + With TGD® Technology



HOHLT

Type number	Dimension	Segment height
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.



DDL Dry drill bits for lightly reinforced concrete & masonry



Application:

- + Ø 32 mm and Ø 200 mm with a working length of 150 mm and M16 mounting

Features:

- + Quality tool for daily use
- + Impressive performance and lifetime

		Type number	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



DDL Dry drill bits for lightly reinforced concrete & masonry




Application:

- + Tool for installing sockets and junction boxes as well as smaller breakthrough jobs.
- + Ø 68 mm, Ø 72 mm and Ø 82 mm with a working length of 70 mm and M16 mounting

		Type number	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

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

	Type number	Machine connection	Drill bit connection	Total length/Pilot drills/ Centering spikes	Comment
	850026	5/8"	M16 Male	Length 100 mm	Suitable for SDS centering spike
	762477	5/8" M16	M16 Male	Length 85 mm	Suitable for SDS centering spike
	850011	HEX SW12-SDS	M16 Male	Length 115 mm	Suitable for SDS centering spike
	762471	HEX SW12-SDS	M16 Male	Length 120 mm	Suitable for SDS centering spike
	116264	HEX SW12	M16 Male	Length 90 mm	Suitable for SDS centering spike
	707824	5/8"	M16 Male	Length 75 mm	Suitable for 120 and 233 mm centering spike
	707827	HEX SW12	M16 Male	Length 100 mm	Suitable for 120 and 233 mm centering spike
	707831	SDS	M16 Male	Length 100 mm	Suitable for 120 and 233 mm centering spike
	707834	M18	M16 Male	Length 75 mm	Suitable for 120 and 233 mm centering spike
	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


Droogboren toebehoren

	Typenummer	Omschrijving	Gebruik
	10983964	Stofafzuigadapter met aansluiting M16	Voor een stofzuigslang diameter 30 à 50 mm
	10983845	Centreerpunt 140 mm	Geschikt voor diamantboren met NL 60 en 70 mm
	10999819	Centreerpunt 120 mm	Geschikt voor diamantboren met NL 60 en 70 mm
	10986189	Centreerpunt 233 mm	Geschikt voor diamantboren met NL 150 mm
	10985334	Centreerpunt	Geschikt voor DME17DP boormotor en diamantboren met NL 250 tot 350 mm
	10984446	Centreerpunt	Geschikt voor DME17DP boormotor en diamantboren met NL 450 mm
	579420	Centreerboor SDS 160 mm	Geschikt voor diamantboren met NL 60 en 70 mm
	579424	Centreerboor SDS 260 mm	Geschikt voor diamantboren met NL 150 mm
	116263	Centreerboor Konus 160 mm alleen voor adapter 116264	Geschikt voor diamantboren met NL 60 en 70 mm
	34196387	Centreerboor 7 x 100 mm	
	579503	Centreerpunt SDS 250 mm	Geschikt voor diamantboren met NL 150 mm
	762456	Centreerboor 8 x 230 x SDS-PLUS	
	11008236 11008234	Centreerpunt	Geschikt voor DME20PU- en DME20PW-boormotoren en diamantboren met NL 300 mm
	11008237 11008235	Centreerpunt	Geschikt voor DME20PU-boormotor met diamantboren met NL 450 mm, evenals voor DME20PW-boormotor met diamantboren met NL 400 tot 450 mm

NL = Nuttige lengte

Accessories dry drill bits

Abrasive grain


	Type number	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 number	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.

Tile drilling wet



PREMIUM

WDT Tile drills for tiles and ceramic materials



Application:


- + For the machining of ceramics, porcelain, fine stoneware and marble. The WDT tile drill bits have been specially developed for wet applications.

We recommend:

- + For very hard materials
- + Full performance on machines with high rotational speeds (>2000 rpm)

Features:

- + Maximum drilling comfort thanks to the optimised moistening of the diamonds.
- + Precise drilling without edge-chipping.
- + Universal use for all ceramics, fine stoneware and marble.
- + Easy core removal.

	Type number	Dimension	Segment height	Stock item	
	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	•

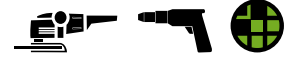
All articles marked with a dot are stock items.

Tile drilling dry



DDT Tile drills

for tiles and ceramic materials | only use with Cool Gel



Application:

- + For the machining of ceramics, porcelain, fine stoneware and marble. The DDT tile drills are designed for dry use and, in combination with Tyrolit Cool Gel, are ideal for water-free drilling.



We recommend:

- + For very hard materials
- + M14 mounting: Suitable for all standard angle grinders
- + HEX: Suitable for high-speed drill motors; full power on high-speed machines (> 2,000 rpm)

- + Only use in combination with Cool Gel, which ensures an optimum cooling of the drill bit and prevents overheating.

Features:

- + Maximum drilling comfort thanks to the specially developed specification for water-free drilling.
- + Precise drilling without edge-chipping.
- + Universal use for all ceramics, fine stoneware and marble. Easy core removal.

		Type number	Dimension	Segment height	Stock item
	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	•

Cool Gel

Application:


- + For moistening DDT tile drills to prevent overheating.

We recommend:

- + Moistening the diamond drill bit after each bore for best results

Features:

- + Optimal moistening of DDT tile drills thanks to a specially developed formula for water-free drilling.

	Type number	Information	Stock item
	34703098	Cool Gel Tile drilling dry 75 ml	•

All articles marked with a dot are stock items.



DDT Tile drills for tiles and ceramic materials



Application:


- + For the machining of ceramics, porcelain, fine stoneware and marble. The DDT tile drill bits are designed for dry use and are, in combination with Tyrolit Cool Gel, ideal for water-free drilling.

We recommend:

- + For very hard materials
- + Suitable for all standard angle grinders.

Features:

- + Maximum drilling comfort thanks to the specially developed specification for water-free drilling.
- + Precise drilling without edge-chipping.
- + Universal use for all ceramics, fine stoneware and marble. Easy core removal.

		Type number new	Type number old	Dimension	Segment height	Stock item
	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	•

All articles marked with a dot are stock items.



DDT Tile drills with paraffin for tiles and ceramic materials



Application:

- + For the machining of ceramics, porcelain, fine stoneware and marble . DDT-Paraffin are diamond tile drill bits filled with paraffin. The paraffin melts during the drilling process and cools the drill bit.



We recommend:

- + For very hard materials
- + M14 mounting: Suitable for all standard angle grinders
- + HEX mounting: Suitable for machines with high speeds (> 2,000 rpm)

- + In order to prevent overheating, it is important to remove the drill cores immediately after the application.

Features:

- + Maximum drilling comfort thanks to the specially developed specification for water-free drilling.
- + Precise drilling without edge-chipping.
- + Universal use for all ceramics, fine stoneware and marble.

		Type number new	Type number old	Dimension	Segment height	Stock item
	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	•

All articles marked with a dot are stock items.


Tile drill sets

★★★ PREMIUM
WDT Tile drill-set HEX Ø 5–14






 for tiles and ceramic materials

	Type number	Content	Stock item
	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 number	Content	Stock item
	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 number	Content	Stock item
	HOHLT 34403124	Tile drills 2 × Ø 6, 2 × Ø 8 mm	•

★★★ PREMIUM
WDT Tile drill-Kit HEX





 for tiles and ceramic materials

	Type number	Content	Stock item
	34215843	Tile drills Ø 5, 6, 8, 10, 12, 14 mm Water bottle 1 l (Type number 34215846) Drilling aid (Type number 34215847) Allen key	•

All articles marked with a dot are stock items.

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

Type number	Content	Stock item
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 number	Content	Stock item
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 number	Content	Stock item
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 number	Machine connection	Content	Stock item
69774	SDS	Pilot drill Konus	•
69801	HEX	Pilot drill Konus	
34215847		Drilling aid	
34215846		Water bottle 1 l	


























All articles marked with a dot are stock items.



Machines




Selecting guide for core drill systems

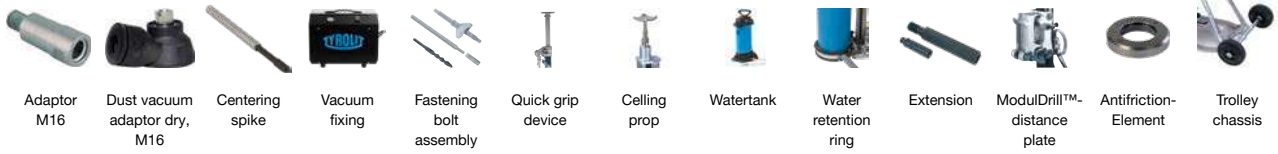
	Power in kW	Application	Drill diameter range in mm	Drill diameter range in mm	Drill rig recommendation
 DME17DP	2.0	 	30	200	 DRU160
 DME20PU	2.0	  	15	180	 DRU160
 DME20PW	2.0	 	15	180	 DRU160
 DME20CW	2.0		15	180	 DRU160
 DME22SU	2.2	  	20	180	 DRA150
 DRS162	2.5		40	160	integrated
 DRS250	2.5		50	250	integrated

 wet

 dry

 also handheld
























Accessories



Core drilling	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
Wall sawing	●	●	●	●	●					●			
Wire sawing			●	●	●	●		●	●	●		●	
Floor sawing			●	●	●	●		●	●	●		●	
Drives				●	●	●		●	●	●		●	
Free hand	●	●	●	●	●			●	●	●			
Table sawing				●	●			●		●		●	
Further applications				●	●	●		●		●		●	
Notes													


● available / suitable



	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DME26MW DME26UW	2.6		50	250	 DRU/DRA250
 DME32MW DME32UW	3.2		50	350	 DRA400/ DRA400 MKII
 DME32UP	3.2	 	55	350	 DRA400/ DRA400 MKII
 DME35UP	3.5	 	25	400	 DRA400/ DRA400 MKII
 DME42QC	3.7		52	400	 DRA400/ DRA400 MKII
 DME52UW	5.2		100	500	 DRA500
 DGB1000			150	1000	 BC-2

 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
Core drilling				●	●	●	●	●	●	●	●	●	●
Wall sawing				●	●	●	●	●	●	●	●	●	●
Wire sawing				●	●	●		●	●	●	●	●	●
Floor sawing				●	●	●		●	●	●	●	●	●
Drives				●	●	●		●	●	●	●	●	●
Free hand				●	●	●		●	●	●	●	●	●
Table sawing					●	●	●	●	●	●	●	●	●
Further applications					●			●	●	●	●		●

Technologies

Core drilling

Wall sawing

Wire sawing

Floor sawing

Drives

Free hand

Table sawing

Further applications

Notes

● available / suitable



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		Accessories	
11000002	Drill motor DME17DP-L	10985334	Centering spike 250-350 mm
10990100	Drill rig DRU160 dry	10984446	Centering spike 450 mm
10995437	Drill bit centring for DRU160		
		10994032	Adapter 1 ¼" > M16
10995087	ModulDrill™ clamping collar plate	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

★★★
PREMIUM

Drill motors DME20PW | DME20PU | DME20CW

Core drilling up to Ø 180 mm



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"

★ ★
STANDARD

Drill motor DME22SU

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling (masonry) with the included M16 adapter possible



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 (masonry) 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 (masonry)
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

★★★
PREMIUM

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

★★★
PREMIUM

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 MKII	
11005530	Electric drill motor DME32MW
11006400	Drill rig DRA400 MKII
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

★★★
PREMIUM

NEW

Drill motor DME32UP

Core drilling up to Ø 350 mm (wet or dry)



Switchable soft hammer function speeds up work progress



3-speed gearbox with oil bath lubrication, oil pump and high-performance overload clutch



Built-in dust extraction for a clean working environment

The DME32UP is a compact and powerful wet/dry drilling motor for daily use. The soft hammer function speeds up work progress in reinforced concrete and other hard materials. The dust is removed from the diamond segments by soft hammering and efficiently extracted by the dust extraction system.

High reliability is guaranteed by the stable construction of the full metal housing, the 3-speed gearbox with oil bath lubrication, the oil pump and an overload clutch. For optimum results, we recommend combining it with PREMIUM wet or dry drill bits from Tyrolit.

System & Accessories



Technical data

Drill motor	DME32UP
Nominal voltage / frequency	230 V / 50 – 60 Hz
Type no.	11007400
Drilling diameter range	55 – 350 mm
Nominal power	3.2 kW
Nominal current	15 A
Load speed	230/460/720 rpm
No load speed	420/820/1250 rpm
Engine cooling	Air
Tool holder	1 ¼" UNC
Operation	Rig-based
Application	Wet / dry
Mechanical overload protection	•
Electronic overload protection	•
PRCD circuit breaker	•
Drill stand mount	Universal

Design

3-speed gearbox with oil bath lubrication

Switchable soft hammer

Built-in dust extraction

Integrated easy-release element

Soft start

Dimensions & weight

Length	560 mm
Width	142 mm
Height	167 mm
Weight	12.4 kg

System & Accessories

Core drilling system with DRA400 MKII

11007400	Drilling motor DME32UP
11006400	Drill rig DRA400 MKII
977464	ModulDrill™ mounting plate
11002077	Fastening bolt assembly for concrete

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

★★★
PREMIUM

NEW

Drill motor DME35UP

Core drilling up to Ø 400 mm (wet and dry)



Powerful 3.5 kW motor for maximum productivity even with larger diameters



3-speed transmission with switchable soft impact for optimum drilling performance (wet or dry)



Built-in dust extraction for a clean working environment

The DME35UP is a powerful and universal drill motor that can be used for wet and dry drilling in reinforced concrete. The powerful 3.5 kW drive motor ensures maximum drilling performance for diameters up to 400 mm. The mechanical 3-speed transmission in combination with

switchable soft impact function enables maximum productivity. The combination with Tyrolit DDX dry drill bits with TGD[®]+ Technology is ideal for rig-based dry drilling and is characterised by a very high drilling speed.

System & Accessories



Technical data

Drill motor	DME35UP
Nominal voltage/frequency	230 V / 50-60 Hz
Type no.	11007700
Drill diameter range	25 – 400 mm
Nominal power	3.5 kW
Nominal current	16 A
Load speed	230/520/960 rpm
No load speed	350/800/1470 rpm
Engine cooling	Air
Tool attachment	1 ¼" UNC
Operation	Rig-based
Application	Wet / dry
Mechanical overload cut-out	•
Electronic overload cut-out	•
PRCD protective switch	•
Drill rig attachment	Universal

Design

Mechanical 3-speed transmission
Switchable soft impact
Built-in dust extraction
Integrated easy release element

Dimensions & weight

Length	640 mm
Width	160 mm
Height	167 mm
Weight	15 kg

System & Accessories

Core drilling system with DRA400 MKII

11007700	Drill motor DME35UP
11006400	Drill rig DRA400 MKII
11013815	ModulDrill™ mounting plate
964906	ModulDrill™ distance plate Ø +180 mm
11002077	Fastening bolt securing for concrete

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

★★★
PREMIUM

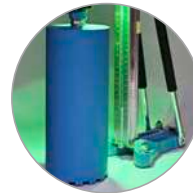
NEW

Drill motor DME42QC

Core drilling up to Ø 400 mm



World's first tool-free and automatic mounting system for 1 1/4" core drill bits



Integrated LED light with coloured status indicator and laser centre pointer



Optimum speed: three mechanical gears and electronic speed control via potentiometer

The innovative DME42QC (Quick Connection) features an automatic mounting system for extremely quick and tool-free drill bit changes of 1 1/4" standard drill bits. Thanks to the efficient P2® high-frequency drive technology, it ensures maximum drilling performance. With 3 mechanical gears and an electronic speed control via potentiometer, the optimum drilling speed can easily be

set. Smart features such as the built-in laser centre pointer, an integrated LED light with a coloured status display with projection, as well as a Bluetooth interface for app connection ensure intuitive operation. The full metal housing and robust construction make the DME42QC a durable and reliable core drill motor – even under the toughest conditions on the construction site.

System & Accessories



Technical data

Drill motor	DME42QC (QuickConnection)
Voltage/Frequency	230 V / 50-60 Hz
Type no.	11009200
Drill diameter range	52-400 mm
Nominal power	3,7 kW
Nominal current	16A
Load speed	170-1065 1/min
Motor cooling	Water
Tool attachment	1 ¼" UNC
Operation	Rig-based
Application	Wet (dry)
Mechanical overload cut-out	•
Electric overload cut-out	•
PRCD protection switch	•
Drill rig attachment	Universal plate

Features

Automatic, tool-free mounting system
P2® Technology
Mechanical 3-speed gearbox
Electronic speed control via potentiometer
LED-light with coloured status display
Integrated laser centre-pointer
Bypass valve for dry drilling
Protection class IP55

Dimensions & Weight

Length	600 mm
Width	190 mm
Height	205 mm
Weight	18.4 kg

System & Accessories

Core drilling system with DRA400 MKII	
11009200	Drill motor DME42QC
11006400	Drill rig DRA400 MKII
977464	ModulDrill™-Mounting plate
964906	ModulDrill™-Distance plate Ø +180 mm
11002077	Fastening bolt assembly concrete

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



Drill motor DME52UW

Core drilling up to Ø 500 mm



Powerful 5.2 kW motor for 400 V 3-phase power supply



3-speed-gear with oil bath lubrication, oil pump and overload clutch



Robust plastic-foil keyboard, LED performance indicator and Softstart

The DME52UW is a powerful, water-cooled 3-phase drill motor. Its 5.2 kW of power in combination with the oil-bath lubricated gearbox, provide optimum torque and rotation speed for a high drilling performance up to a maximum diameter of 500 mm. Full

metal housing, overload clutch and motor thermal protection as well as IP 55 protection class guarantee maximal reliability. LED performance indicator, Softstart and antifriction-element ensure user friendly operation.

System & Accessories

Technical data

Drill motor DME52UW	
Nominal voltage/frequency	400 V / 50-60 Hz
Item no.	10998818
Drilling diameter range	110–500 mm
Motor power	5.2 kW
Nominal current	9.5 A
Load speed	140/280/430 rpm
No load speed	140/280/430 rpm
Motor cooling	Water
Tool attachment	1 ¼"
Operation	Drill-rig guided
Application	Wet
Mechanical overload cut-out	•
Electronic overload cut-out	•
Drill-rig attachment	Universal plate

Dimensions & weight

Length	580 mm
Width	150 mm
Height	170 mm
Weight	22.9 kg

System & Accessories

Core drilling system DRA500 (steel dowel foot)	
10998818	Drill motor DME52UW
10987700	Drill rig DRA500
977464	ModulDrill mounting plate
964907	ModulDrill distance plate Ø +250 mm
11002077	Fastening bolt assembly for concrete

Accessories

Core drilling system	
378198	Extension 1 1/4" 100 mm
359471	Extension 1 1/4" 200 mm
359472	Extension 1 1/4" 300 mm
359473	Extension 1 1/4" 400 mm
359474	Extension 1 1/4" 500 mm



Modular electric drilling gearbox DGB1000

Core drilling up to \varnothing 1 000 mm



Optimised drill bit attachment for large bore drilling



ModulDrill™ quick change clamping system for quick, easy and safe attachment



Bores with a diameter of up to 1 000 mm with Modul-Drill™ distance plates

In accordance with the Tyrolit modularity principle, the DGB1000 delivers optimum rotational speeds and impressive performance in conjunction

with either the electric high-frequency motor or hydraulic standard motor options, by means of 8 transmission stages – two speeds at the drilling

gear box and up to four stages via the relevant drive. With optimised drill bit attachment for large diameters and high torques.

Technical data

Modular drilling gearbox

Nominal power (32 A)	20 kW
Motor power S1 (32 A)	17 kW
Drill diameter range with DRA500	150–500 mm
Drill diameter range with BC-2	150–1 000 mm

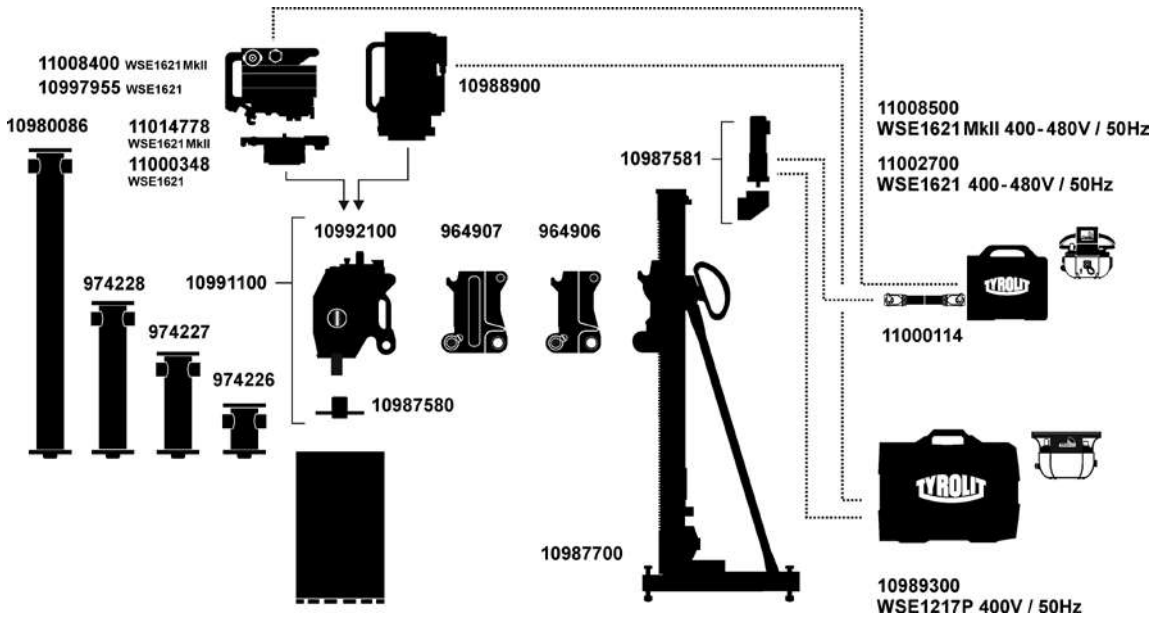
Dimensions & weight

Length	338 mm
Width	213 mm
Height	226 mm
Weight	15.7 kg

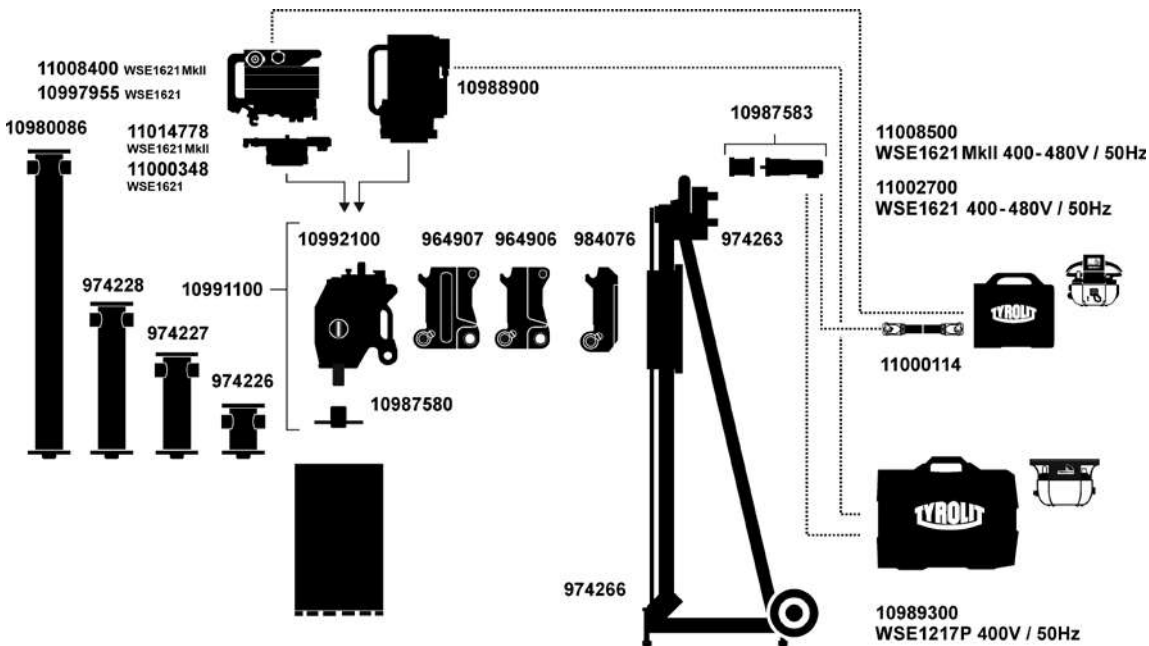
Design

2-stage gearbox
Special large-hole attachment (GR-F)
ModulDrill™ quick change clamping system

System recommendation



Core drilling system electric from Ø 150 mm to Ø 500 mm



Core drilling system electric from Ø 150 mm to Ø 1 000 mm



Modular hydraulic drilling gearbox DGB1000

Core drilling up to \varnothing 1 000 mm



Optimised drill bit attachment for large bore drilling



ModulDrill™ quick change clamping system for quick, easy and safe attachment



Bores with a diameter of up to 1 000 mm with Modul-Drill™ distance plates

In accordance with the Tyrolit modularity principle, the DGB1000 delivers optimum rotational speeds and impressive performance in conjunction

with either the electric high-frequency motor or hydraulic standard motor options, by means of 8 transmission stages – two speeds at the drilling

gear box and up to four stages via the relevant drive. With optimised drill bit attachment for large diameters and high torques.

Technical data

Modular drilling gearbox

Output	20 kW / 25 kW
Drill diameter range with DRA500	150–500 mm
Drill diameter range with BC-2	150–1 000 mm

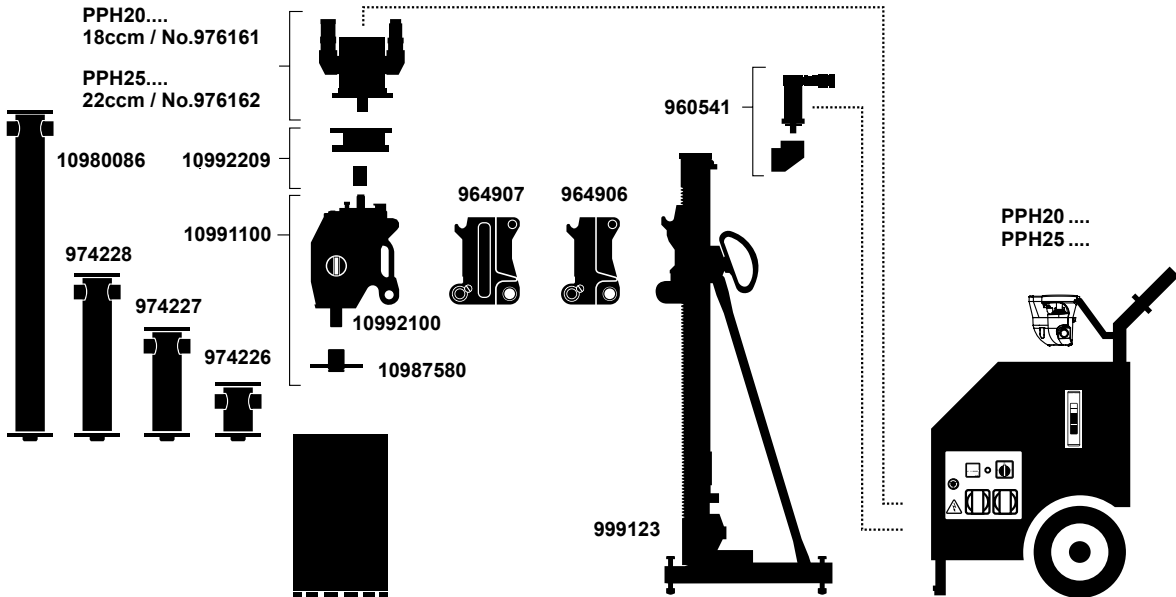
Design

2-stage gearbox
Special large-hole attachment (GR-F)
ModulDrill™ quick change clamping system

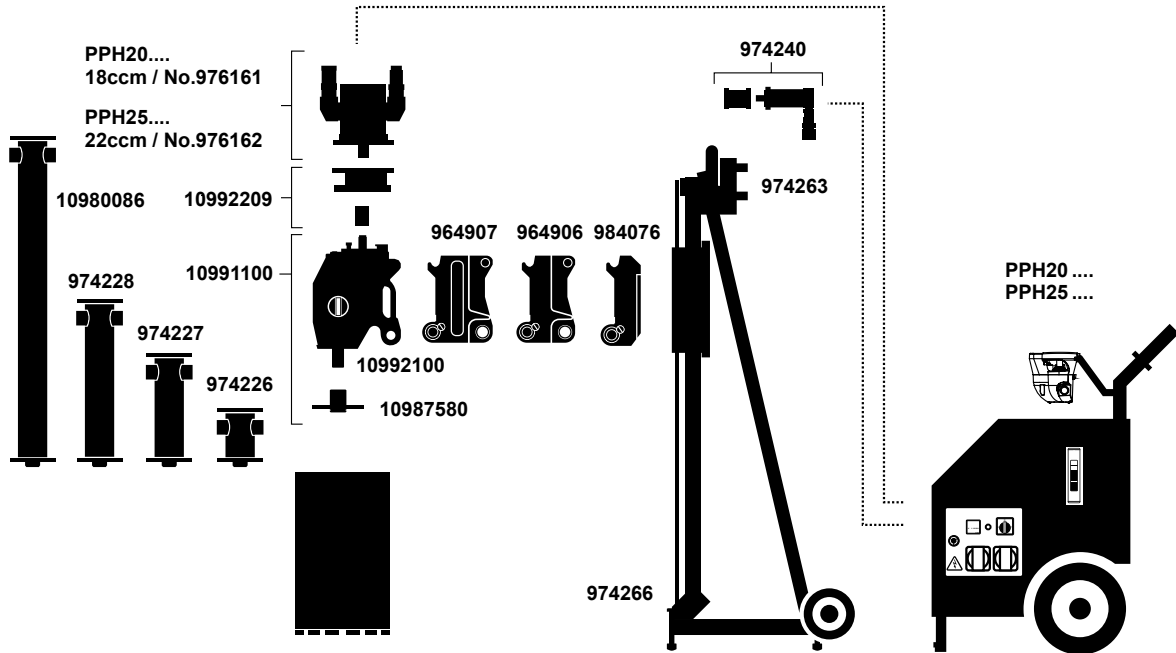
Dimensions & weight

Length	338 mm
Width	213 mm
Height	226 mm
Weight	15.7 kg

System recommendation



Core drilling system hydraulic from Ø 150 mm to Ø 500 mm



Core drilling system hydraulic from Ø 150 mm to Ø 1 000 mm

Drill hammer DHE32

Universal drill hammer up to \varnothing 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 ³ /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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★★
STANDARD

Core drilling system DRS162

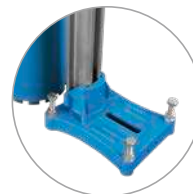
Core drilling up to Ø 162 mm



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

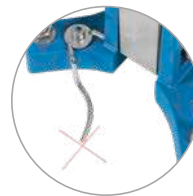
Core drilling system DRS250	
10999880	Core drilling system DRS250 / 230 V (dowel feet)
10993966	Fastening bolt assembly

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

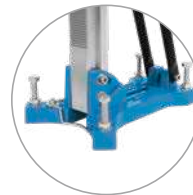
★★
STANDARD

Drill rig DRA150

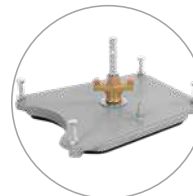
Core drilling up to Ø 152 mm



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

★★★
PREMIUM

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

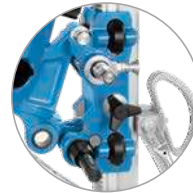
System & Accessories

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

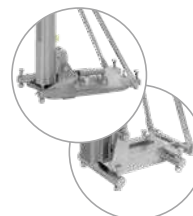
Core drilling up to Ø 250 mm



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 $90^\circ-45^\circ$		
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 (concret)
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

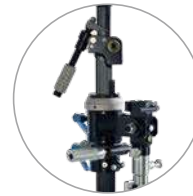
Accessories DRU250

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

★★★
PREMIUM

Core drilling system DRU350 MKII

Core drilling up to Ø 350 mm



Maximum flexibility thanks to drilling and gripping column that can be rotated by 360°



Quick assembly and disassembly thanks to innovative telescope clamping system



Problem-free realisation of angled holes thanks to intelligent design

Thanks to the intelligent design with a drilling and gripping column that can be rotated by 360°, diagonal drilling can be realised. An innovative

telescope clamping system allows the drill rig to be attached in a time-saving and gentle on the material. Various adjustment options,

an extendable drilling column and various drilling accessories ensure universal use.

System & Accessories



Technical data

Drill rig DRU350 MKII

Drill diameter range	50–250 mm
Max. drill diameter with distance plate 180 mm	350 mm
Max. drill bit length	650 mm
Clamping height	1 900-3 100 mm

Design

Adjustable aluminium dowel vacuum foot
Telescopic clamping system
Two speed feed gearbox $i=1:1$ & $i=1:3,5$
Feed using hand crank
Diagonal adjustment $0^\circ-180^\circ$
Drilling and gripping column, rotatable by 360°
ModulDrill™ quick change clamping system
Adjustable and interchangeable roller guides

Dimensions & Weight

Length	530 mm
Width	450 mm
Height	1 860 mm
Weight	59 kg

System & Accessories

Core drilling system DRU350 MKII

11000900	Drill rig DRU350 MKII
11005530	Electric drill motor DME32MW
964906	ModulDrill™-distance plate $\varnothing +180$ mm

Accessories

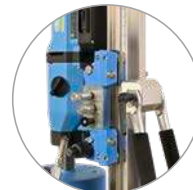
11007429	750 mm column extension
964906	ModulDrill™-distance plate $\varnothing +180$ mm
977464	ModulDrill™-mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
11006900	Water pressure tank 60 l WTE60

★★★
PREMIUM

NEW

Drill rig DRA400 MKII

Core drilling up to Ø 400 mm



Maximum stability thanks to new 8-roller guide and steel inserts



Extended drilling depth possible thanks to 500 mm extension



Tool-free, ergonomic operation and easy to transport

The DRA400 MKII drill rig is an all-rounder and suitable for various professional applications. The maximum drill diameter can be extended with a distance plate and the drilling depth can be increased using a 500 mm extension.

Stability during application is provided by the new 8-roller guide system and a rigid rail steel insert. This drill rig is designed for ergonomic use, featuring tool-free operation, easy angle adjustment, and a two-speed feed gear to save

working time. The ModulDrill™ quick-clamping system enables the safe and secure mounting of drill motors. The compact lightweight design for easy transport, assembly and disassembly completes the system.

System & Accessories

Technical data

Drill rig DRA400 MKII

Drill diameter range	50–300 mm
Max. drill diameter (with distance plate)	400 mm
Max. drill bit length	750 mm
Max. drill bit length (with extension)	1 200 mm

Design

Compact aluminium dowel foot
Two speed feed gearbox $i=1:1$ & $i=1:3$
Tool-free operation
Diagonal adjustment $45^\circ / - 45^\circ$
Angle indication and depth scale
Adjustable and interchangeable roller guides
Adjusting feet (micro)
Optional trolley chassis
ModulDrill™ quick change clamping system

Dimensions & Weight

Length	335 mm
Width	248 mm
Height	1 000 mm
Weight	18.7 kg

System recommendation

Core drilling system with DRA400 MKII

11006400	Drill rig DRA400 MKII
11005530	El.drill. motor DME32MW
964906	ModulDrill™ distance plate $\varnothing +180$ mm
11006454	Rig extension 500 mm
11010133	Trolley chassis
11002077	Fastening bolt assembly dowel feet

Accessories DRA400 MKII

975378	Vacuum plate complete
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
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l
11006900	WTE60 Battery water tank 60 l

★★★
PREMIUM

Core drilling system DRA500 electric

Core drilling up to \varnothing 500 mm



Drilling column extensions
from 230 to 910 mm



Maximum load capacity due
to extra wide, high quality
drilling column gearing



Bores with a diameter of up
to 500 mm with ModulDrill™
distance plates

The DRA500, a drill rig for maximum stability and the highest demands during drilling. The proven ModulDrill™ quick clamping system enables fast and secure mounting of drill motors. Thanks to an extended drilling

column, even long through-holes can be made with ease. Thanks to the modular design, combined use with Tyrolit cable saws and hydraulic equipment is possible without difficulty.

System & Accessories



Technical data

Drill rig DRA500	
Drill diameter range	100–300 mm
Max. drill diameter with distance plate 180 mm	450 mm
Max. drill diameter with distance plate 250 mm	500 mm
Max. drill bit length	869 mm

Design

Steel dowel foot
Two speed feed gearbox $i=1:1$ & $i=1:3.5$
Feed using hand crank
Diagonal adjustment $90^\circ-45^\circ$
Centre indicator
Angle indicator
Adjustable feet (M12)
Adjustable and interchangeable roller guides
3 handles
ModulDrill™ quick change clamping system

Dimensions & Weight

Length	454 mm
Width	301 mm
Height	1 182 mm
Weight	26 kg

System & Accessories

Core drilling system DRA500	
10998818	Drill motor DME52UW
10987700	Drill rig DRA500
964907	ModulDrill™ distance plate $\varnothing +250$ mm
11002077	Fastening bolt assembly

Accessories

977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
984969	Rig extension 230 mm
984970	Rig extension 460 mm
984971	Rig extension 910 mm
977446	Additional support for rig extension, 910 mm
964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
964378	Tool box
11006900	Water pressure tank 60 l WTE60

★★★
PREMIUM

Core drilling system DRA500 hydraulic

Core drilling up to Ø 500 mm



Time saving drill motor mounting via ModulDrill™ quick clamping system



Continuously variable drilling adjustment with powerful hydraulic feed



Maximum stability with sturdy, two-piece pillar support at the rear

The DRA500, a drill rig for maximum stability and the highest demands during drilling. The proven ModulDrill™ quick clamping system enables fast and secure mounting of drill motors. Thanks to an extended

drilling column, even long through-holes can be made with ease. Thanks to the modular design, combined use with Tyrolit cable saws and electric equipment is possible without difficulty.

System & Accessories



Technical data

Drill rig DRA500	
Drill diameter range	100–250 mm
Max. drill diameter with distance plate 180 mm (Gearbox)	400 mm
Max. drill diameter with distance plate 250 mm (Gearbox)	500 mm
Max. drill bit length	825 mm

Design

Steel dowel foot
Two speed feed gearbox $i=1:1$ & $i=1:3.5$
Feed using hand crank or hydraulic drive
Diagonal adjustment $90^\circ-45^\circ$
Centre indicator
Angle indicator
Adjustable feet (M12)
Adjustable and interchangeable roller guides
3 handles
ModulDrill™ quick change clamping system

Dimensions & Weight

Length	454 mm
Width	301 mm
Height	1 182 mm
Weight	26 kg

System & Accessories

Core drilling system DRA500	
10987700	Drill rig DRA500
976032	Motor complete B 145 ccm / FD incl. PRV*
974276	Drill spindle 1 ¼" complete incl. key
960630	ModulDrill™ spindle clamp 250 mm
960541	Hydraulic feed unit
11002077	Fastening bolt assembly

Accessories

977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
984969	Rig extension 230 mm
984970	Rig extension 460 mm
984971	Rig extension 910 mm
977446	Additional support for rig extension, 910 mm
964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
964378	Tool box
11006900	Water pressure tank 60 l WTE60

Hydraulic drill motors (on drill spindle)

With hydraulic feed

976156	Motor complete B 75 ccm / FD incl. PRV*
976157	Motor complete B 100 ccm / FD incl. PRV*
976032	Motor complete B 145 ccm / FD incl. PRV*
976033	Motor complete B 160 ccm / FD incl. PRV*

With manual feed (with control valve)

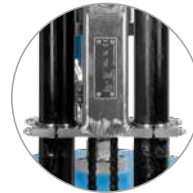
976146	Motor unit B 60 ccm / FD incl. PRV*
976147	Motor unit B 75 ccm / FD incl. PRV*
976148	Motor unit B 100 ccm / FD incl. PRV*
976023	Motor unit B 145 ccm / FD incl. PRV*
976024	Motor unit B 160 ccm / FD incl. PRV*

* PRV = Pressure control valve

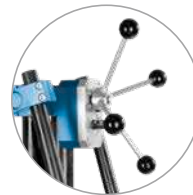
★★★
PREMIUM

Core drilling system BC-2 electric

Core drilling up to \varnothing 1 000 mm



High stability yet low weight thanks to 2-pillar guide system



Effortless drilling thanks to two speed feed gearbox $i=1:2$ and $i=1:9$



Bores with a diameter of up to 1 000 mm with Modul-Drill™ distance plates

The BC-2 is ideal for drilling large holes up to 1 000 mm. Thanks to the modular design, combined use with Tyrolit cable saws and hydraulic equipment is possible without

difficulty. The dual-column guidance principle and a two-speed feed gear enable user friendly work and low weight. A large selection of drill accessories rounds off the range.

System & Accessories



Technical data

Drill rig BC-2

Drill diameter range	100–400 mm
Max. drill diameter with distance plates	1 000 mm
Max. drill bit length	980 mm

Design

Steel dowel foot
Two-speed feed gearbox $i=1:2$ and $i=1:9$
Feed using hand crank
Can be adjusted to any angle
Adjusting feet (micro)

Dimensions & Weight

Length	460 mm
Width	290 mm
Height	1 340 mm
Weight	30 kg

System & Accessories

964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977462	Handwheel complete
974264	Trolley chassis
975746	Tool box
11006900	Water pressure tank 60 l WTE60

System suggestion

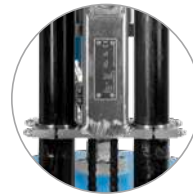
Core drilling system BC-2

974266	Drill rig BC-2
984076	Fastening plate for ModulDrill™
10991100	Drill gearbox DGB1000
11014778	Drilling and circular wire saw kit WSE1621 MKII
11008400	Electric main drive motor WSE1621 MKII 400–480 V / 50 Hz
974263	Feed gear 2-speed
11008500	Electric control unit WSE1621 MKII 400 V 50 Hz incl. radio remote control
10987583	Feed motor
11002077	Fastening bolt assembly
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill



Core drilling system BC-2 hydraulic

Core drilling up to \varnothing 1 000 mm



Gear reduction arms allow the drilling of bores up to 1 000 mm in diameter



Powerful drilling with hydraulic feed



High stability yet low weight thanks to 2-pillar guide system

The BC-2 is ideal for drilling large holes up to 1 000 mm. Thanks to the modular design, combined use with Tyrolit cable saws and electric

equipment is possible without difficulty. The dual-column guidance principle and a two-speed feed gear enable user friendly work and

low weight. A large selection of drill accessories rounds off the range.

Technical data

Drill rig BC-2

Drill diameter	100–350 mm
Max. drill diameter with 700 mm gear reduction arm	700 mm
Max. drill diameter with 1 000 mm gear reduction arm	1 000 mm
Max. drill bit length	830 mm

Design

Steel dowel foot
Two-speed feed gearbox $i=1:2$ and $1:9$

Feed using hand crank or hydraulic drive

Can be adjusted to any angle

Adjusting feet (micro)

Dimensions & Weight

Length	460 mm
Width	290 mm
Height	1 340 mm
Weight	30 kg

System & Accessories



Gear reduction arm

Gear reduction arm module GR700

976163	Motor complete B/S 30 ccm / FD
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Gear reduction arm module GR1000

974280	Reduction ext. arm 1 000 mm i=1:14
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976163	Motor complete B/S 30 ccm / FD
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Accessories for gear reduction arm

974226	Extension GR 190 mm
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974227	Extension GR 360 mm
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974228	Extension GR 530 mm
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977321	Large diameter flange
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971294	GR-flange M30
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10978286	GR-flange M30 with adapter 1 ¼"
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974947	Adaptor BC 1 ¼" A
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973925	Triplex chain for GR 1000
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973926	Core catcher bush to GR
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Hydraulic motors for gear reduction arm

976160	Motor complete B/S 16 ccm / FD
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976161	Motor complete B/S 18 ccm / FD
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976162	Motor complete B/S 22 ccm / FD
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976523	Motor complete B/S 26 ccm / FD
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976163	Motor complete B/S 30 ccm / FD
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Accessories

977462	Handwheel complete
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11002077	Fastening bolt assembly
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11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
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974947	Adaptor BC 1 ¼" A
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974270	Extraction device for core bits
--------	---------------------------------

977353	Extraction device for cores
--------	-----------------------------

974264	Trolley chassis
--------	-----------------

975746	Tool box
--------	----------

11006900	Water pressure tank 60 l WTE60
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Hydraulic drill motors (on drill spindle)

With hydraulic feed

976156	Motor complete B 75 ccm / FD incl. PRV*
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976157	Motor complete B 100 ccm / FD incl. PRV*
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976032	Motor complete B 145 ccm / FD incl. PRV*
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976033	Motor complete B 160 ccm / FD incl. PRV*
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With manual feed (with control valve)

976146	Motor unit B 60 ccm / FD incl. PRV*
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976147	Motor unit B 75 ccm / FD incl. PRV*
--------	-------------------------------------

976148	Motor unit B 100 ccm / FD incl. PRV*
--------	--------------------------------------

976023	Motor unit B 145 ccm / FD incl. PRV*
--------	--------------------------------------

976024	Motor unit B 160 ccm / FD incl. PRV*
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System suggestion

Core drilling system BC-2, hydraulic

974266	Drill rig BC-2
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976157	Motor complete B 100 ccm / FD incl. PRV*
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974276	Drill spindle 1 ¼" complete incl. key
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974210	Extension arm 350 mm
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974240	Hydraulic feed kit
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974263	Feed gear 2-speed
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11002077	Fastening bolt assembly
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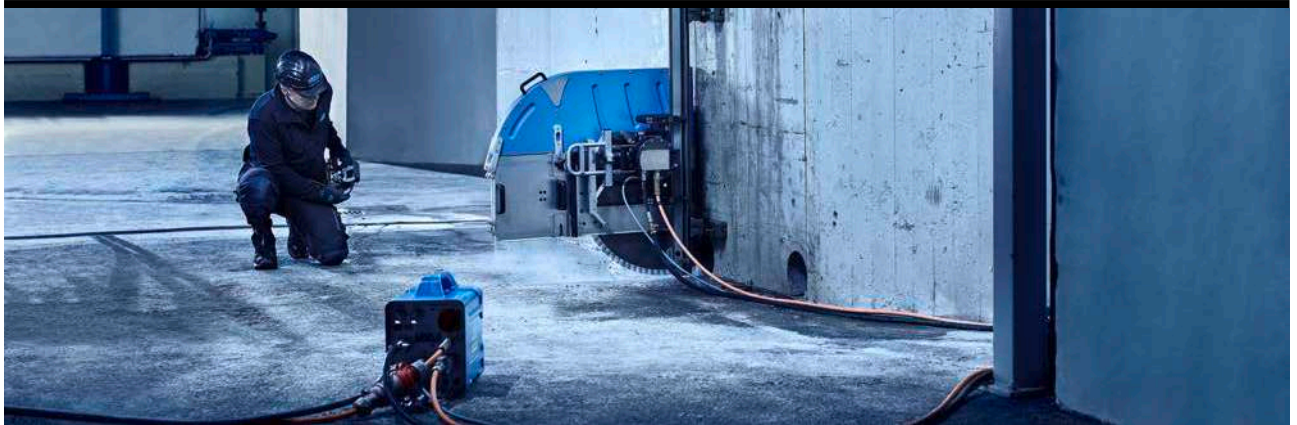
* PRV = Pressure control valve





Wall sawing

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Wall saw blades

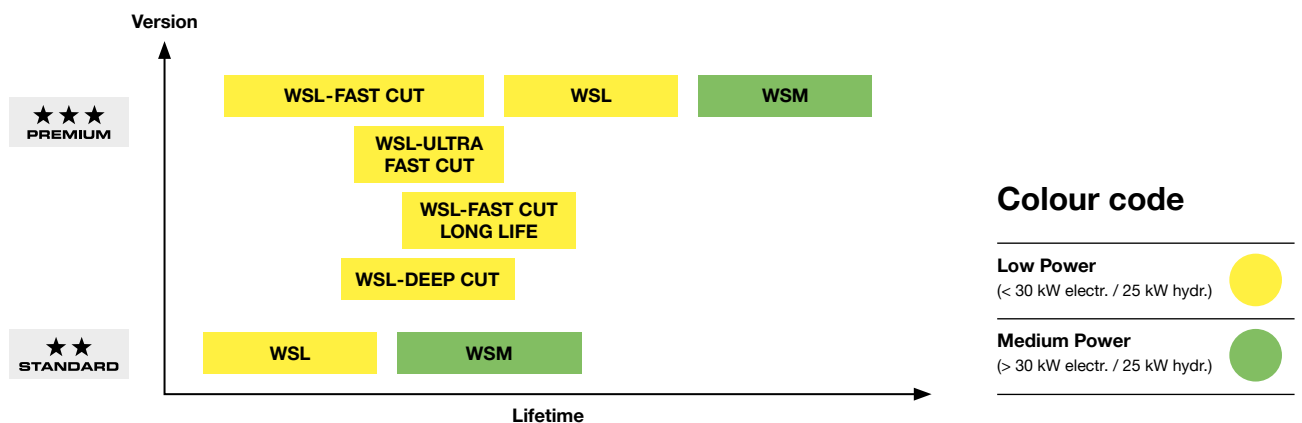
Decades of experience in the production and application of wall saw blades and machines give Tyrolit the edge in the marketplace.

The Tyrolit wall saw blades and machines system provides on one side innovative solutions for large scale projects and enables cost effective results for everyday construction use on the other side. Especially suitable

for apertures and openings in walls or ceilings for concrete with or without reinforcement and wall thicknesses up to 100 cm. Tyrolit wall saw blades are designed to work flawlessly with

Tyrolit Hydrostress machines. Wall sawing is a nearly vibration-free process that protects the buildings structure.

Application recommendation & information Tyrolit wall saw blades



Recommendations

- + Highest levels of performance at peripheral speeds of 35–45 m/s on concrete
- + The correct coolant quantity is also important for optimum cutting performance
- + The machine safety and user instructions must be read and understood before starting work
- + The safety manual will be sent to you on request

Drive holes

Drive holes	Producer	Machines	Main hole	Hole pattern 1				Hole pattern 2			
			H	N1	TKD1	BD1	AD1	N2	TKD2	BD2	AD2
12M109	Tyrolit	WSE1621, WSE1621 MKII, WSE2226, WSE1217, DZ-S2, WZ, FZ-4S ¹ (Not for WSE811 MKII and EX)	60	6	80	10	-	6	130	10	16,5 (E ≥ 3,5)
6M247	Tyrolit	WSE1621, WSE1621 MKII, WSE2226, WSE1217, DZ-S2, WZ, FZ-4S ¹ (Not for WSE811 MKII and EX)	60	6	130	10	17	-	-	-	-
6M199	Tyrolit	WSE811 MKII and EX	60	6	90	10,5	16	-	-	-	-
12M255	Tyrolit & HILTI / HUSQVARNA	Tyrolit (Not for WSE811 MKII and EX) & HILTI / HUSQVARNA since 1998 (Not for WS220HF and DS TS 5-SE)	60	6	110	≥ 10,5	21	6	130	10	16,5
6M207	Tyrolit & HILTI / HUSQVARNA	Tyrolit WSE912 HUSQVARNA WS "new" (since 1998) (Not for WS220HF, WS8) HILTI DS-TS-22 / 30 / 32 "new" (since 1998) DST 10-CA, DST 20-CA (electr.) (Not for DS TS 5-SE)	60	6	110	14	21	-	-	-	-
6M157	HUSQVARNA	WS220 HF	60	6	85	9	16	-	-	-	-
3M184	HILTI	DS-TS-5E	25,4	3	90	14	21	-	-	-	-
12M112	Tyrolit	Tyrolit, only in Scandinavia	60	6	80	10	-	6	108	10,5	20,5
12M221	PENTRUDER	Flange QEF60-108, e.g. LINDGREN	60	6	80	10	-	6	108	10	20
6M225	PENTRUDER	Flange QEF60-130, e.g. HYDROTEC	60	6	130	10	17	-	-	-	-

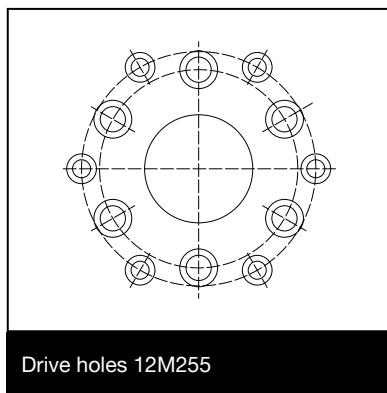
Legend

- H** Main hole
- N** Number of holes
- TKD** Pitch diameter
- BD** Diameter of the through hole

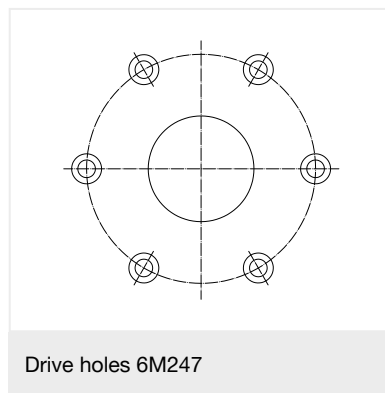
- AD** Outer diameter of the counterbore
- E** Steel core thickness
- ¹ Blade flange ST cpl. (10977882)

Bores and drive holes for special machines on request.
Details in the table in mm.

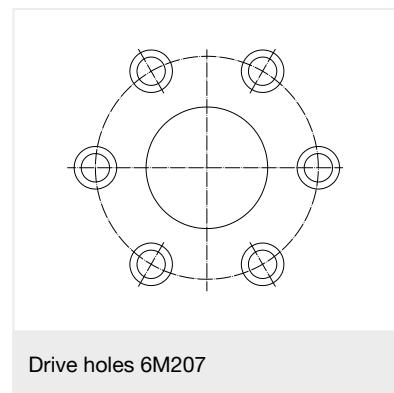
Drive holes 12M255



=



+



Combination for Tyrolit wall saw heads in Central Europe (except WSE811 MKII) and HILTI / HUSQVARNA wall saw heads

For Tyrolit wall saw heads in Central Europe (except WSE811 MKII)

For HILTI / HUSQVARNA wall saw heads

6M247 = 12M109
without cooling drive holes



WSL-ULTRA FAST CUT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Highly recommended for normal infeed depths and heavy reinforcement
- + For machines up to 20 kW electric / 25 kW hydraulic

Features:

- + Quality tools for the highest demands and maximum cost-effectiveness with cutting performance and service life of height
- + Highest cutting performance – easy cutting
- + Consistently fast cutting performance and noticeably smooth running with TGD® Technology

	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34589294	600 × 4.9 × 60	12M255	13
		34589287	650 × 4.9 × 60	12M255	13
		34589790	700 × 4.9 × 60	12M255	13
		34589811	800 × 4.9 × 60	12M255	13
		34589812	825 × 4.9 × 60	12M255	13
		34589813	925 × 4.9 × 60	12M255	13
		34589814	1025 × 4.9 × 60	12M255	13
		34589815	1200 × 4.9 × 60	12M255	13

Further diameters and drive holes on request.

WSL-ULTRA FAST CUT wall saw blades with 4.4 mm segment width available on request.



WSL-FAST CUT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Highly recommended for heavy reinforcement
- + For machines up to 20 kW electric / 25 kW hydraulic

Features:

- + Quality tools for the highest demands and maximum cost-effectiveness with cutting performance and service life of height
- + Extremely high cutting performance – easy cutting



	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34336798	600 × 4.9 × 60	6M199	13
		34497746	600 × 4.9 × 60	12M255	13
		34378038	650 × 4.4 × 60	6M199	13
		34549337	650 × 4.9 × 60	12M255	13
		34447937	650 × 4.4 × 60	6M207	13
		34701398	700 × 4.4 × 60	6M207	13
		34378037	750 × 4.4 × 60	6M199	13
		34478330	800 × 4.4 × 60	12M255	13
		34541416	800 × 4.9 × 60	12M255	13
		34377291	825 × 3.9 × 60	6M199	13
		34377152	825 × 4.4 × 60	6M199	13



WSL-FAST CUT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology



	Shape	Type number	Dimension	Drive holes	Segment height
		34475637	825 × 4.4 × 60	12M255	13
		34475635	825 × 4.9 × 60	12M255	13
		34447951	825 × 3.9 × 60	6M207	13
		34703017	925 × 3.9 × 60	6M207	13
		34549162	925 × 4.4 × 60	12M255	13
		34549338	925 × 4.9 × 60	12M255	13
		34479554	1000 × 4.4 × 60	12M255	13
		34475636	1025 × 4.4 × 60	12M255	13
		34496902	1025 × 4.9 × 60	12M255	13
		34497747	1200 × 4.4 × 60	12M255	13



WSL-FAST CUT-LONG LIFE Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Excellent for heavy reinforcement
- + For machines up to 20 kW electric / 25 kW hydraulic

Features:

- + High-quality tools for the most demanding requirements and maximum cost-effectiveness with cutting performance at a height and a long service life.
- + Very easy to cut
- + High running smoothness and service life

	Shape	Type number	Dimension	Drive holes	Segment height	
		C71W	34336749	600 × 3.9 × 60	6M199	13
		34549616	600 × 4.9 × 60	12M255	13	
		34549620	650 × 4.9 × 60	12M255	13	
		34475692	800 × 4.9 × 60	12M255	13	
		34475693	825 × 4.4 × 60	12M255	13	
		34493780	825 × 4.9 × 60	12M255	13	
		34549618	925 × 4.4 × 60	12M255	13	
		34475694	1025 × 4.4 × 60	12M255	13	
		34493779	1025 × 4.9 × 60	12M255	13	
		34549617	1200 × 4.4 × 60	12M255	13	



WSL Wall saw blades for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + For machines up to 30 kW electric / 25 kW hydraulic

Features:

- + Quality tools for the highest demands and maximum cost-effectiveness with cutting performance and service life of height
- + Universal wall saw blade with high cutting performance and long service life

	Shape	Type number	Dimension	Drive holes	Segment height
		C71W			
		34018259	600 × 3.9 × 60	6M199	13
		34301250	600 × 4.4 × 60	12M255	13
		34279357	600 × 4.9 × 60	6M225	13
		34018309	600 × 4.9 × 60	12M112	13
		34275378	600 × 4.9 × 60	12M255	13
		34195250	650 × 3.9 × 60	6M199	13
		34195301	650 × 4.4 × 60	6M199	13
		34048045	650 × 4.9 × 60	6M225	13
		34199529	650 × 4.9 × 60	12M255	13
		34186374	700 × 3.9 × 60	6M225	13
		34018269	750 × 3.9 × 60	6M199	13
		34195304	750 × 4.4 × 60	6M199	13
		34359379	800 × 3.9 × 60	12M255	13
		34075186	800 × 4.4 × 60	6M225	13
		34254745	800 × 4.4 × 60	12M255	13
		34234690	800 × 4.9 × 60	6M225	13
		34018313	800 × 4.9 × 60	12M112	13
		34549511	825 × 3.9 × 60	12M255	13
		34208097	825 × 4.4 × 60	12M255	13
		34168251	825 × 4.9 × 60	12M255	13
		34194330	900 × 4.9 × 60	12M255	13
		34254746	925 × 4.4 × 60	12M255	13
		34549515	925 × 4.9 × 60	12M255	13
		34234733	1000 × 4.4 × 60	6M225	13
		34018298	1000 × 4.4 × 60	12M112	13
		34232142	1025 × 4.4 × 60	12M255	13
		34430930	1025 × 4.9 × 60	12M255	13
34179916	1200 × 4.4 × 60	6M225	13		
34018304	1200 × 4.4 × 60	12M112	13		
34194331	1200 × 4.4 × 60	12M255	13		



WSM Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + For machines up to 20 kW electric / 25 kW hydraulic

Features:

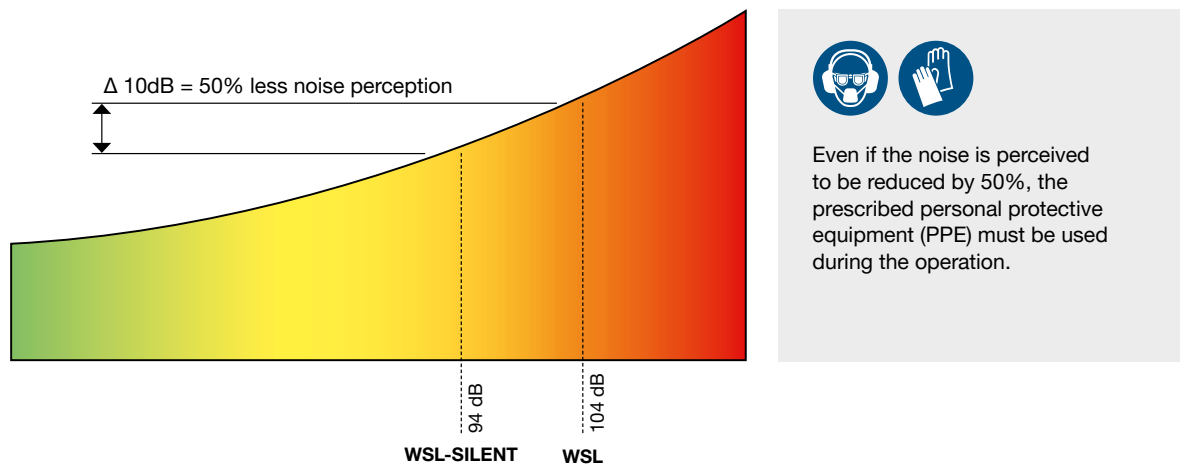
- + High-quality tools for the most demanding requirements and maximum cost-effectiveness with cutting performance at a height and a long service life.
- + Highly recommended for powerful machines and abrasive materials

	Shape	Type number	Dimension	Drive holes	Segment height
		C71W			
		34549642	600 × 4.4 × 60	12M255	13
		34018208	600 × 4.4 × 60	12M112	13
		34549643	650 × 4.4 × 60	12M255	13
		34244855	650 × 4.9 × 60	12M255	13
		34018224	650 × 4.9 × 60	12M112	13
		34549644	700 × 4.4 × 60	12M255	13
		34018227	700 × 4.4 × 60	12M112	13
		34549645	750 × 4.4 × 60	12M255	13
		34018229	750 × 4.4 × 60	12M112	13
		34549646	800 × 4.4 × 60	12M255	13
		34018241	800 × 4.4 × 60	12M112	13
		34517568	800 × 4.9 × 60	12M255	13
		34018243	800 × 4.9 × 60	12M112	13
		34244861	825 × 4.4 × 60	12M255	13
		34244853	825 × 4.9 × 60	12M255	13
		34549648	925 × 4.4 × 60	12M255	13
		34549649	1000 × 4.4 × 60	12M255	13
		34018251	1000 × 4.4 × 60	12M112	13
		34244857	1025 × 4.4 × 60	12M255	13
34549647	1025 × 4.9 × 60	12M255	13		
34244856	1200 × 4.4 × 60	12M255	13		
34018255	1200 × 4.4 × 60	12M112	13		

WSM wall saw blades with segment widths of 5.4 mm, 5.9 mm and 6.5 mm are available on request.

SILENT Wall saw blades

Noise-damped steel cores for optimum vibration damping. Ideal for use in noise-sensitive areas. The 10 decibel reduction in noise level is perceived by humans as a 50% noise reduction. Tyrolit SILENT wall saw blades are only available with the 6M247 and 6M207 drive holes.



WSL-ULTRA FAST CUT SILENT Wall saw blades
for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Highly recommended for normal feed depths and heavy reinforcement
- + For machines up to 20 kW electric

- + Laser-welded segments up to and including \varnothing 1600 mm for maximum safety; segment height of 13 mm
- + Drive holes 6M247 and 6M207 available

Features:

- + Close-toothed, noise-reduced C71GW blank blade shape with slanted slot geometry and higher tooth count for longer service life

	Shape	Type number	Dimension	Drive holes	Segment height
		C71GW			
		34637234	600 × 4,9 × 60	6M247	13
		34637235	650 × 4,9 × 60	6M247	13
		34637236	700 × 4,9 × 60	6M247	13
		34637237	800 × 4,9 × 60	6M247	13
		34637238	825 × 4,9 × 60	6M247	13
		34637239	1000 × 4,9 × 60	6M247	13
		34637240	1025 × 4,9 × 60	6M247	13
		34637281	1200 × 4,9 × 60	6M247	13

Further diameters and drive holes on request.



WSL-SILENT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Highly recommended for normal feed depths and heavy reinforcement
- + For machines up to 20 kW electric

Features:

- + Noise-reduced core blades for optimum vibration damping. Ideal for use in noise-sensitive areas
- + Noise reduction by 10 decibels – noise is perceived as half as loud
- + Highest cutting performance with low noise intensity

	Shape	Type number	Dimension	Drive holes	Segment height
	 C71GW	34018152	600 × 4.4 × 60	6M199	13
		34253285	600 × 4.4 × 60	6M225	13
		34359351	600 × 4.4 × 60	6M247	13
		34359353	600 × 4.9 × 60	6M247	13
		34018159	600 × 4.9 × 60	12M112	13
		34195471	650 × 4.4 × 60	6M199	13
		34287229	650 × 4.4 × 60	6M225	13
		34549638	650 × 4.9 × 60	6M247	13
		34018166	700 × 4.4 × 60	12M112	13
		34195605	750 × 4.4 × 60	6M199	13
		34197742	800 × 4.4 × 60	6M207	13
		34253286	800 × 4.4 × 60	6M225	13
		34359356	800 × 4.4 × 60	6M247	13
		34018170	800 × 4.4 × 60	12M112	13
		34359358	800 × 4.9 × 60	6M247	13
		34018174	800 × 4.9 × 60	12M112	13
		34040269	825 × 4.4 × 60	6M207	13
		34366463	825 × 4.4 × 60	6M247	13
		34444588	825 × 4.9 × 60	6M247	13
		34018177	1000 × 4.4 × 60	12M112	13
34444590	1025 × 4.4 × 60	6M247	13		
34359373	1200 × 4.4 × 60	6M247	13		
34018183	1200 × 4.4 × 60	12M112	13		



WSL-FAST CUT-LONG LIFE SILENT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + For machines up to 20 kW electric

Features:

- + Noise-reduced core blades for optimum vibration damping. Ideal for use in noise-sensitive areas
- + Noise reduction by 10 decibels – noise is perceived as half as loud
- + Very high cutting performance and service life

	Shape	Type number	Dimension	Drive holes	Segment height
	 C71	34549636	825 × 4.4 × 60	6M247	13
		34549635	825 × 4.9 × 60	6M247	13
		34549634	825 × 5.9 × 60	6M247	13
		34549398	1025 × 4.4 × 60	6M247	13
		34549637	1200 × 4.4 × 60	6M247	13



WSM-SILENT Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + Ideal for abrasive materials
- + For machines up to 20 kW electric

Features:

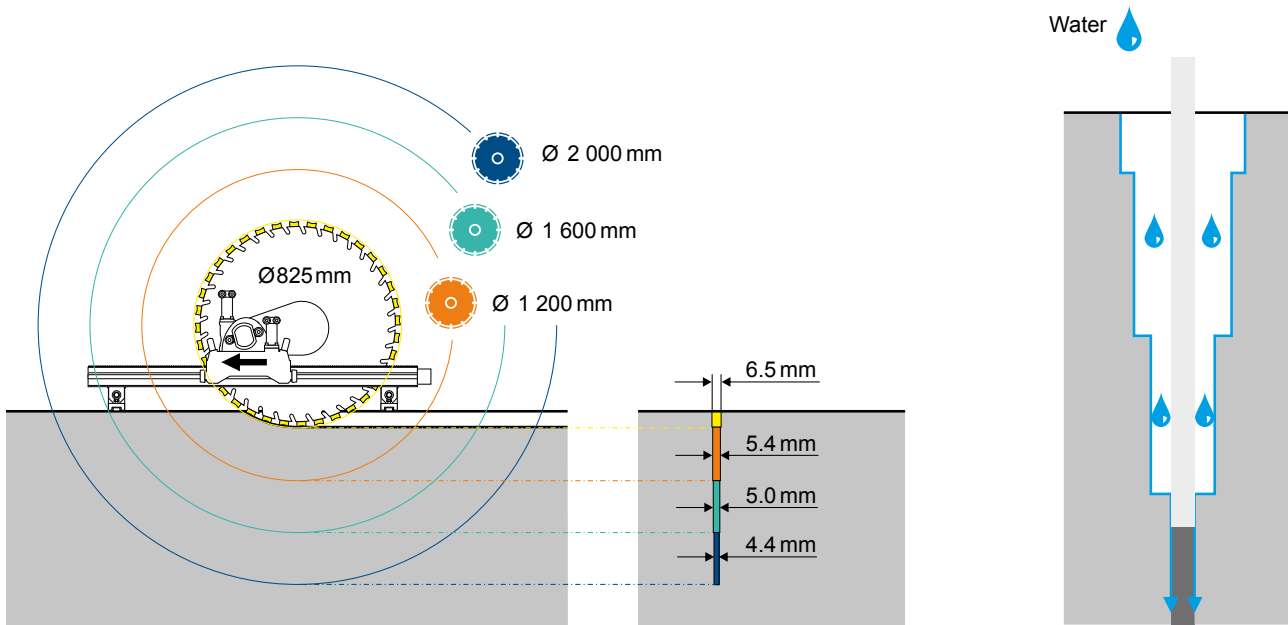
- + Noise-reduced core blades for optimum vibration damping. Ideal for use in noise-sensitive areas
- + Noise reduction by 10 decibels – noise is perceived as half as loud

	Shape	Type number	Dimension	Drive holes	Segment height
	 C71GW	34242048	600 × 4.4 × 60		13
		34419194	650 × 4.9 × 60		13
		34356569	700 × 4.4 × 60		13
		34549654	750 × 4.4 × 60	6M247	13
		34242053	800 × 4.4 × 60		13
		34475704	825 × 4.4 × 60	6M247	13
		34242054	1000 × 4.4 × 60		13
		34475705	1025 × 4.4 × 60	6M247	13

DEEP CUT Wall saw blades

The WSL-DEEP CUT series: It provides wide segments at the beginning and can go blade wise narrower to the wanted cutting depth. This ensures a good opening on both sides of the steel core and for this reason the cooling water reaches the diamond segment in a good manner.

Laser welded wall saw blades are available up to \varnothing 1 600 mm.
 Brazed wall saw blades are available from \varnothing 1 350 mm to 2 200 mm.
 Further diameters on request.





WSL-DEEP CUT Wall saw blades in TGD® Technology (up to Ø 1 600 mm)







Application:

- + For machines up to 20 kW electric

Features:

- + Series with different segment widths; perfectly matched to deep cutting applications
- + High-quality tool for the deepest cutting depths in wall sawing

	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W Laser welded segments with TGD® Technology	34415642	825 × 5.9 × 60	12M255	13
		34497741	825 × 6.5 × 60	12M255	13
		34521389	1025 × 5.4 × 60	12M255	13
		34422925	1200 × 4.9 × 60	12M255	13
		34497743	1200 × 5.4 × 60	12M255	13
		34669192	1350 × 4.4 × 60	12M255	13
		34669191	1400 × 4.4 × 60	12M255	13
		34669190	1500 × 4.4 × 60	12M255	13
		34659582	1600 × 4.9 × 60	12M255	13
		34541790	1600 × 4.4 × 60	12M255	13
<p>Further laser welded wall saw blades up to 1 600 mm on request. Other specifications from the well-known and proven assortment of laser welded wall saw blades can also be combined.</p>	 C4 Brazeed segments	34415649	1400 × 4.4 × 60	12M255	13
		34379300	1500 × 4.4 × 60	12M109	13
		34488100	1500 × 4.4 × 60	12M255	13
		34379257	1600 × 4.4 × 60	12M109	13
		34488121	1600 × 4.4 × 60	12M255	13
		34450071	1600 × 5 × 60	12M109	13
		34450072	1600 × 5.6 × 60	12M109	13
		34379258	1800 × 4.4 × 60	12M109	13
		34488122	1800 × 4.4 × 60	12M255	13
		34379341	2000 × 4.4 × 60	12M109	13
		34497745	2000 × 4.4 × 60	12M255	13
		34379342	2200 × 4.4 × 60	12M109	13
		34500293	2200 × 4.4 × 60	12M255	13
	 C7 Brazeed segments	34623106	1800 × 4.4 × 60	12M255	13

WSL-DEEP CUT wall saw blades up to and including 1200 mm with 5.4 mm, 5.9 mm and 6.5 mm segment widths available on request. For optimum gradation of the deep cut set. Further diameters, drive holes and segment widths on request.



WSL Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

+ For machines up to 20 kW electric / 20 kW hydraulic

Features:

- + Quality tools for daily use
- + Impressive ratio of cutting speed and service life
- + Impressive ratio of cutting performance to service life

	Shape	Type number	Dimension	Drive holes	Segment height
		C7W			
		34359385	600 × 3.9 × 60	12M255	13
		34017389	600 × 4.4 × 60	12M112	13
		34313605	600 × 4.4 × 60	12M255	13
		34017402	600 × 4.9 × 60	12M112	13
		34359386	600 × 4.9 × 60	12M255	13
		34195305	650 × 3.9 × 60	6M199	13
		34195307	650 × 4.4 × 60	6M199	13
		34549400	650 × 4.9 × 60	12M255	13
		34359389	700 × 4.4 × 60	12M255	13
		34017404	750 × 3.9 × 60	6M199	13
		34017406	800 × 4.4 × 60	12M112	13
		34359391	800 × 4.4 × 60	12M255	13
		34359392	800 × 4.9 × 60	12M255	13
		34542169	825 × 3.9 × 60	12M255	13
		34017408	825 × 4.4 × 60	12M112	13
		34325781	825 × 4.4 × 60	12M255	13
		34506340	825 × 4.9 × 60	12M255	13
		34017412	1000 × 4.4 × 60	12M112	13
		34359393	1000 × 4.4 × 60	12M255	13
34444641	1025 × 4.4 × 60	12M255	13		
34017416	1200 × 4.4 × 60	12M112	13		
34359394	1200 × 4.4 × 60	12M255	13		





WSM Wall saw blades

for reinforced concrete and normal concrete | in TGD® Technology





Application:

- + For machines up to 20 kW electric / 25 kW hydraulic

Features:

- + Good cutting performance in a convincing ratio to service life

	Shape	Type number	Dimension	Drive holes	Segment height
		C7W			
		34549420	600 × 4.4 × 60	12M255	13
		34017419	600 × 4.4 × 60	12M112	13
		34549421	650 × 4.9 × 60	12M255	13
		34549422	750 × 4.4 × 60	12M255	13
		34017424	750 × 4.4 × 60	12M112	13
		34017428	825 × 4.4 × 60	12M112	13
		34436519	825 × 4.4 × 60	12M255	13
		34475713	825 × 4.9 × 60	12M255	13
		34549423	925 × 4.4 × 60	12M255	13
		34549424	925 × 4.9 × 60	12M255	13
		34017433	1000 × 4.4 × 60	12M112	13
		34017435	1025 × 4.4 × 60	12M112	13
		34475714	1025 × 4.4 × 60	12M255	13
		34485561	1025 × 4.9 × 60	12M255	13
		34485500	1200 × 4.4 × 60	12M255	13
34017438	1200 × 4.4 × 60	12M112	13		



DCCI Diamond cut-off wheel

for grey and spheroidal cast iron as well as steel





Application:

- + For machining cast iron, grey cast iron, spheroidal cast iron and steel
- + For the usage on wall saws
- + Recommended speed 45-60 m/s, depending on material

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	Specification
		UC3		
		102859	600 × 5,0 × 60	DCCI
		34601955	800 × 5,1 × 60	DCCI
		34591260	1000 × 5,1 × 60	DCCI
		34642376	1210 × 5,2 × 60	DCCI



Compatibility overview

Wall saws



11008300
Wall saw
WSE1621 MKII

10996800
Wall saw
WSE2226QC

10984000
Wall saw
DZ-S2

10982000
Wall saw
WZ

999226
Wall saw
FZ-2ST

11008400	Electric main drive WSE1621 MKII	● **					
11008500	Electric control unit WSE1621 MKII	●					
10986800	Electric main drive WSE2226		●				
10986700	Electric control unit WSE2226		●				
10981719	Transport trolley	●	●				
10984099	Blade guard 800 mm 3 parts All-In-One	●	● **	●	●		●
11012857	Blade guard 825 mm 3 parts AIO Linear	●					
10984100	Blade guard 1 000 mm 3 parts All-In-One		● **	●	●		●
11012858	Blade guard 1 025 mm 3 parts AIO Linear	●					
10984101	Blade guard 1 200 mm 3 parts All-In-One	●	● **	●	●		●
11012859	Blade guard 1 200 mm 3 parts AIO Linear	●					
977606	Blade guard 1 600 mm 2 parts	●	●		●		●
976184	Blade guard 2 200 mm 2 parts		●				
10989200	Blade guard 1 200 mm All-In-One CL		●				
10982079	VAS G Track 1 100 mm Alu	●	●	●	●		● *
10982105	VAS G Track 1 650 mm Alu	●	●	●	●		● *
10982106	VAS G Track 1 925 mm Alu	●	●	●	●		● *
10981818	VAS G Track 2 200 mm Alu	●	●	●	●		● *
974398	V-Track VS 700 mm Steel	●	●	●	●		●
974400	V-Track VS 1 100 mm Steel	●	●	●	●		●
974402	V-Track VS 1400 mm Steel	●	●	●	●		●
974404	V-Track VS 1 800 mm Steel	●	●	●	●		●
974406	V-Track VS 2 200 mm Steel						

* up to max. 25 kW

** mount with adapter



999039
Wall saw
FZ-4S



10998000
Wire saw
WCU17



10982500
Circular wire saw
CCE25



10994900
Wire saw
SB-E



10991100
Modular drilling gearbox
DGB1000 kpl

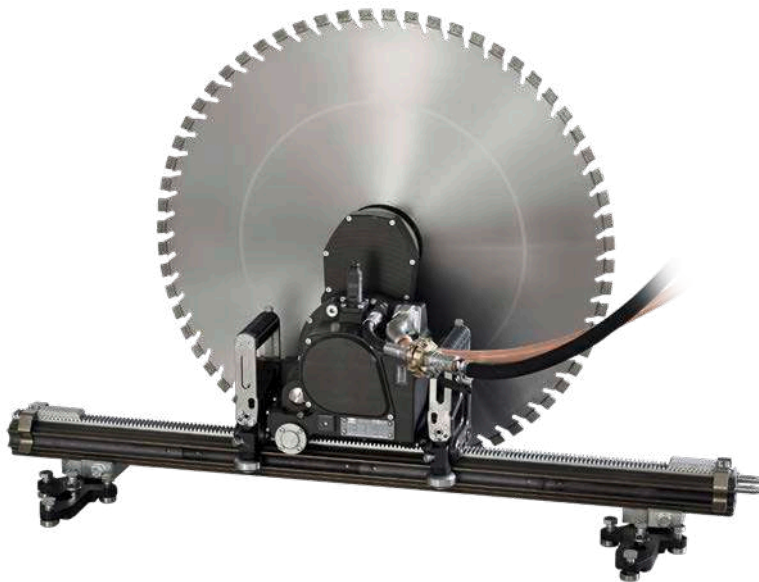
	999039 Wall saw FZ-4S	10998000 Wire saw WCU17	10982500 Circular wire saw CCE25	10994900 Wire saw SB-E	10991100 Modular drilling gearbox DGB1000 kpl
Technologies					
Core drilling					
Wall sawing		●	●		●
Wire sawing		●	●		●
Floor sawing	●			●	
Drives	●			●	
Free hand	●				
Table sawing	●				
Further applications	●				
Notes	●				
	●				
	●				
	●				
	●				
	●				

Technologies
Core drilling
Wall sawing
Wire sawing
Floor sawing
Drives
Free hand
Table sawing
Further applications
Notes

★★★
PREMIUM

Wall saw WSE912

Cutting depths up to 377 mm



Compact and lightweight wall saw based on a modular concept



Robust, functional and tool-free: all-in-one blade guard for max. Ø 700 and 925 mm wall saw blades



OmniGrid® Technology: 3- or 1-phase operation even with unreliable power supply

The WSE912 is a compact and powerful next-generation wall saw based on highly energy-efficient P2® Technology. The wall saw has a modular design, making it reliable and easy to maintain. Thanks to

innovative OmniGrid® Technology, its PPE12RR electrical control unit enables operation under changing power supply conditions. This means that any cutting job can be completed in 3-phase or 1-phase operation.

The new generation of radio remote control is intuitive to use and has a long battery life. The newly designed transport trolley for the WSE912 is characterised by its compactness, versatility and large wheels.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	377 mm
Max. saw blade Ø	925 mm
Free detachable up to Ø	700 mm
Blade flange mounting	Central screw
Saw blade fixing (flush cuts)	M10 countersunk head screws × 6 pcs. Pitch circle 110 mm

Electric motor and control unit

Water-cooled high-frequency motor	P2 [®] Technology
Nominal power (400 V)	11 kW
Nominal power (230 V)	3.6 kW
Voltage	230–480 V
Frequency	50 Hz / 60 Hz

Weight

Wall saw WSE912	25 kg
Electric control PPE12RR	18 kg
Blade guard AIO 700 mm	15 kg
Blade guard AIO 925 mm	19 kg
Track EX 1 100 mm	6.3 kg
Track EX 2 200 mm	12.6 kg
Transport trolley WSE912	27 kg

System & Accessories

Wall saw WSE912	
11004000	Wall saw WSE912 incl. blade guard holder
11004100	Electric control unit PPE12RR 230–480 V incl. radio remote control
10978640	Track EX 1 100 mm
10978879	Track EX 2 200 mm
10980156	EX swivel rail trestle
11004800	Blade guard AIO 700 mm without blade guard holder
11004900	Transport trolley WSE912

Accessories

11004200	Blade guard AIO 925 mm without blade guard holder
11008488	Blade guard holder
10980260	EX track connector
10983408	Inclined and stair track support EX
10980264	EX track stopper
11010246	Service case WSE912

Tool recommendation

34447937	PREMIUM WSL FAST CUT Wall saw blade (C7W 650 × 4.4 × 60 mm WSLP3-FC 6M207)
34701398	PREMIUM WSL FAST CUT Wall saw blade (C7W 700 × 4.4 × 60 mm WSLP3-FC 6M207)
34447951	PREMIUM WSL FAST CUT Wall saw blade (C7W 825 × 3.9 × 60 mm WSLP3-FC 6M207)
34703017	PREMIUM WSL FAST CUT Wall saw blade (C7W 925 × 3.9 × 60 mm WSLP3-FC 6M207)

★★★
PREMIUM

NEW

Wall saw WSE1621 MKII

Cutting depths up to 705 mm



Even more powerful drive motor with low-wear clutch and tool-free motor mounting



New blade guard: robust, tool-free and modular design (same side parts and holders for all sizes)



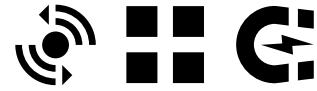
Compact control unit, handy radio remote control with screen

The WSE1621 MKII is a further development of the WSE1621 and is characterised in particular by increased power, ergonomics and reliability. The new P2[®] drive motor has a noticeably higher torque and ensures more power and maximum productivity, even

with larger blade diameters. New All-in-one blade guards combine stability with a simple, tool-free control panel and a wide range of functions, such as flush cutting or dry cutting. The modular, expandable concept enables further applications such as ring

or wire sawing, as well as drilling, which saves space and mounting times as well as costs. In addition, the compact and lightweight components with quick locks make daily use on the construction site easier for the user.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	705 mm
Max. saw blade Ø	1 600 mm
Free detachable up to Ø	900 mm
Blade flange mounting	Quick-release flange
Saw blade fixing (flush cuts)	Part circle 130 mm: M8 countersunk head screws x 6 pcs. Pitch circle 110 mm: M10 countersunk head screws x 6 pcs.

Electric motor

Water-cooled high-frequency motor P2® Technology	
Nominal power (32 A)	21 kW
Motor power S1 (32 A)	19 kW
Voltage	400–480 V
Frequency	50 / 60 Hz

Weight

Wall saw WSE1621 MKII	24 kg
WSE1621 MKII main electric motor	16 kg
WSE1621 MKII control unit	18 kg
Remote control WSE1621 MKII	1.8 kg
Blade guard 1025 mm AIO MKII	26 kg
VAS G 1100 mm rail	9.4 kg
VAS G rail 1650 mm	15
VAS G 1 rail 925 mm	16.2 kg
VAS G 2 rail 200 mm	18.4 kg
Transport trolley WSE1621 MKII	27 kg

Service contracts

11014804	WSE1621 MKII BASIC Service contract
11014805	WSE1621 MKII STANDARD Service contract
11014806	WSE1621 MKII PREMIUM Service contract

System & Accessories

Wall saw system WSE1621 MKII	
11008300	Wall saw WSE1621 MKII
11008400	WSE1621 MKII electric main motor 400–480 V / 50 Hz
11008500	WSE1621 MKII electric control unit 400–480 V / 50 Hz incl. radio remote control
11012856	Transport trolley WSE1621 MKII
11012858	Blade guard 1025 mm AIO MKII
10982079	VAS G rail 1100 mm aluminium
109818	VAS G rail 2200 mm aluminium
977523	Track joint VAS and VS rail
965987	V-rail feet aluminium, flat
10980346	Tool box

Accessories

11012857	Blade guard 825 mm AIO MKII
11012859	Blade guard 1200 mm AIO MKII
977606	Blade guard 1600 mm 2-piece
10998282	Blade guard holder 1600 mm
11010891	Blade guard holder AIO MKII
10977882	Quick release flange
961983	V-swivel rail bracket
10977452	V rotary rail support
10981719	Small transport trolley WX
10999403	Blade flange ST dry cut
11007376	Service case WSE1621

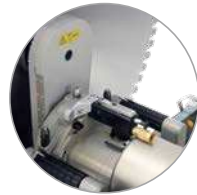


Wall saw WSE2226QC

Cutting depths up to 1 005 mm



Optimum torque and rotational speeds thanks to the innovative drive concept with 2-speed transmission



A user-friendly motor quick-connection fastener facilitates handling in difficult assembly conditions



Cool water bypass for dry cutting

Developed for the toughest and most exacting applications thanks to a cutting depth of up to 1 005 mm, which is unique worldwide, the WSE2226QC wall saw is particularly suitable for major cutting tasks. The pioneering P2® drive concept

enables the combination of extreme reliability and optimum performance with low service requirements and reduced service costs. The standard remote control and the motor quick-connection fastener enhance ease of use and safety at the workplace.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	1 005 mm
Max. saw blade Ø	2 200 mm
Free detachable up to Ø	1 025 mm
Blade flange mounting	Quick-release flange
Saw blade fixing (flush cuts)	6 countersunk head screws, 130 mm graduated circle

Electric motor

Water-cooled high-frequency motor	
Nominal power	26 kW
Motor power	22 kW

Control unit

Voltage	400 V / 50 Hz
Frequency	50 Hz
Weight	26 kg

Weight

Wall saw WSE2226 incl. feed motors	26 kg
Electric main drive motor WSE2226	25 kg
Blade guard AIO 1200	36 kg

Service contracts

11006409	WSE2226 BASIC service contract
11006410	WSE2226 STANDARD service contract
11006411	WSE2226 PREMIUM service contract

System & Accessories

Wall saw system WSE2226QC	
10996800	Wall saw WSE2226QC incl. feed motors
10997900	Electric main drive motor WSE2226QC 400 V / 50 Hz
10986700	Electric control unit WSE2226QC 400 V / 50 Hz incl. radio remote control
10981719	Transport trolley
11005593	Blade guard AIO 1200
10982079	VAS G Track 1 100 mm alu
10981818	VAS G Track 2 200 mm alu
977523	Track connector for VAS and VS tracks
965987	V-Track feet alu, flat
10980346	Tool box

Accessories

977523	Track connector for VAS and VS tracks
10977882	Blade flange ST compl.
11005595	Blade guard AIO 800
11005703	Blade guard AIO 800 without holder
11005594	Blade guard AIO 1000
11005702	Blade guard AIO 1000 without holder
11005593	Blade guard AIO 1200
11005701	Blade guard AIO 1200 without holder
977606	Blade guard 1 600 mm 2 pcs.
976184	Blade guard 2 200 mm 2 pcs.
10992734	Uptake 1 600/2 200 2 pcs. on WSE2226
965987	V-Track feet alu, flat
961983	V-Swivel track feet
10977452	V-Rotary rail support compl.

Wall saw DZ-S2

Cutting depths up to 510 mm



Robust saw head with standard hydraulic motors



Blade guard for normal and flush cutting



Slide guide with ergonomic locking system and fine adjustment

The extremely sturdy and proven design ensures high reliability and cutting accuracy. With the DZ-S2 in conjunction with hydraulic

drives with outputs of up to 20 kW, blade diameters of up to maximum 1 200 mm can be used.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	510 mm
Max. saw blade Ø	1 200 mm
Free detachable up to Ø	900 mm
Blade flange mounting	Central screw
Saw blade fixing (flush cuts)	6 countersunk head screws, 130 mm graduated circle

Design

GR2 hydraulic motor with quick-change device	
Swivel arm, can be rotated by 360°	
Power transmission in swivel arm via toothed belt	
Carriage controlled using bronze guide	

Weight

incl. drive motor and 2 feed motors	34 kg
with 2 feed motors only	27 kg

System & Accessories

Wall saw system DZ-S2	
10984000	Wall saw DZ-S2 without motor
976162	Motor complete B/S 22 ccm / FD
10984100	Blade guard 1 000 mm 3 pcs. AIO
10982079	VAS G Track 1 100 mm alu
10981818	VAS G Track 2 200 mm alu
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
975803	Tool box
977495	Pressure relief valve FD

Accessories

973921	1 bronze guide complete
974419	Flush cutting flange DZ, FZ
969460	Tooth belt for DZ-S, DZ-S2
10984099	Blade guard 800 mm 3 pcs. AIO
10984100	Blade guard 1 000 mm 3 pcs. AIO
10984101	Blade guard 1 200 mm 3 pcs. AIO

Hydraulic drive motor accessories – size 2 with horizontal FD couplings

976034	Motor complete B/S 12 ccm / FD
976160	Motor complete B/S 16 ccm / FD
976161	Motor complete B/S 18 ccm / FD
976162	Motor complete B/S 22 ccm / FD
976523	Motor complete B/S 26 ccm / FD
976163	Motor complete B/S 30 ccm / FD
973892	Quick-change set for motors size 2

Wall saw FZ-4S

Cutting depths up to 1 005 mm



Main motor with leak-oil connection



Gear swivel arm with quick-separation flange for easy blade replacement



Sliding systems with ergonomic locking system and fine adjustment

The "work horse" among hydraulic wall saws. Use of the quick-separation flange on the swivel arm provides simple, fast blade replacement and facilitates use in

flush cutting applications. With the FZ-4S in conjunction with hydraulic drives with outputs of up to 40 kW, blade diameters of up to maximum 2 200 mm can be used.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	1 005 mm
Max. saw blade Ø	2 200 mm
Free detachable up to Ø	1 025 mm
Blade flange mounting	Quick-release flange
Saw blade fixing (flush cuts)	6 countersunk head screws, 130 mm graduated circle

Design

GR3 hydraulic motor with quick change device (also possible with GR2)	
Swivel arm, can be rotated by 360°	
Power transmission in swivel arm via gear wheel	
Carriage controlled using Bronze Prisma	

Weight

incl. drive motor and 2 feed motors	47 kg
with 2 feed motors only	39 kg

System & Accessories

Wall saw system FZ-4S	
999039	Wall saw FZ-4S
976166	Motor complete S 31 ccm / FD, incl. leak oil conn.
10984100	Blade guard 1 000 mm 3 pcs. AIO
974400	V-Track VS 1 100 mm steel
974406	V-Track VS 2 200 mm steel
974478	V-Track foot steel DZ/FZ
974066	Leakage oil hose 8 m FIRG
977495	Pressure relief valve FD
10977020	Tool box

Accessories

973921	1 bronze guide complete
10977882	Blade flange ST compl.
10984099	Blade guard 800 mm 3 pcs. AIO
10984100	Blade guard 1 000 mm 3 pcs. AIO
10984101	Blade guard 1 200 mm 3 pcs. AIO
977606	Blade guard 1 600 mm 2 pcs.
976184	Blade guard 2 200 mm 2 pcs.
977334	Blade guard holder 2 pcs. for bolt

Hydraulic drive motors – size 3

976164	Motor complete S 20 ccm / FD, incl. leak oil conn.
976165	Motor complete S 25 ccm / FD, incl. leak oil conn.
976166	Motor complete S 31 ccm / FD, incl. leak oil conn.
976167	Motor complete S 40 ccm / FD, incl. leak oil conn.
974066	Leakage oil hose 8 m FIRG

Rail system VAS and VS

Versatile; suitable for wall saws and line drills



VAS

- + Lightweight aluminium rail suitable for applications up to 26 kW
- + Steel guides
- + Replaceable steel toothing
- + Extendable



VS

- + Robust steel rail, suitable for applications up to 50 kW
- + Steel guides
- + Extendable



V-rotating rail trestle,
can be swivelled by 360°
10977452



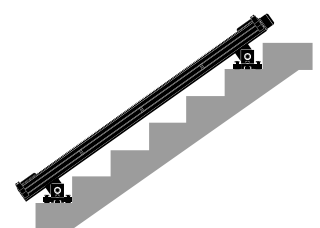
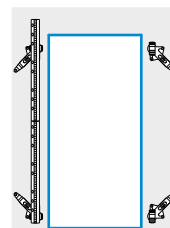
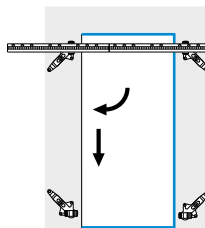
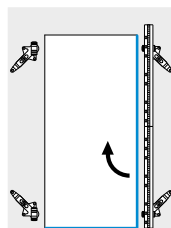
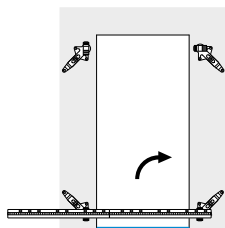
V-swivel rail trestle, 45°-135°
961983



V-rail trestle, aluminium, flat
965987



V-rail trestle, steel
974478



Time saved when changing the rail position thanks to innovative V-rotating rail support

With V rotating rail support,
simple step sawing

Concrete anchor and block for Tyrolit wall saws



Concrete anchor K50/175 M12
11012148

Block for Tyrolit wall saws
11012149

Special nut for Tyrolit track feet
11012150

System & Accessories



Technical data

	VAS	VS
Approved power	25 kW	50 kW
Weight at 1 100 mm	9.3 kg	13.8 kg
Material	Aluminium/steel	Steel
Extendable	•	•
Length	1 100 mm	700 mm
	1 650 mm	1 100 mm
	1 925 mm	1 400 mm
	2 200 mm	1 800 mm
		2 200 mm

Compatible wall saws

WSE1621 / WSE1621 MKII / WSE2226	•	•
DZ-S2	•	•
WZ	•	•
FZ-2ST	•	•
FZ-4S		•

Rail trestles

V-rail trestle, steel		•
V-rail trestle, aluminium	•	•
V-swivel rail trestle	•	•
V-rotating rail trestle	•	•



Well thought-out connecting elements for quick assembly and a rigid connection



Rail stopper for safe working

System & Accessories

VAS rail system

10982079	VAS G Track 1 100 mm alu
10982105	VAS G Track 1 650 mm alu
10982106	VAS G Track 1 925 mm alu
10981818	VAS G Track 2 200 mm alu

VAS accessories

965987	V-Track feet alu, flat
961983	V-Swivel track feet
10977452	V-rotary rail support complete
977523	Track connector for VAS and VS tracks
963917	Centering tube for VAS/VS tracks
974476	Mounting block for track foot, vacuum base (concrete)
977452	Mounting block for track foot, vacuum base (masonry)
10978418	Track stop

VS rail system

974398	V-Track VS 700 mm steel
974400	V-Track VS 1 100 mm steel
974402	V-Track VS 1 400 mm steel
974404	V-Track VS 1 800 mm steel
974406	V-Track VS 2 200 mm steel

VS accessories

974478	V-Track foot steel
961983	V-Swivel track feet
10977452	V-rotary rail support complete
977523	Track connector for VAS and VS tracks
10978418	Track stop



TYROLIT
HYDROSTRESS



Wire sawing

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Diamond wire

Decades of experience in the production and application of diamond wires and wire saw machines give Tyrolit the edge in the marketplace.

Suitable for clearance and demolition work, dismantling bridges, buildings and numerous other large-scale reinforced concrete structures. Virtually

unaffected by wall thicknesses and steel content. Perfect in combination with Tyrolit Hydrostress machines.

Application recommendation

Choosing the correct diamond wire

Performance Level	Type	Bead		Machine			Concrete aggregate material				Level of reinforcement			Dry cutting
		Brazed / sintered	Electro-plated	L	M	H	Soft	Medium	Hard	Very hard	Low	Very high	100 %	
★★★ PREMIUM	DWM-C		x	●	●	●	●	●	●	●	○	○	○	●
	DWM-CF		x	○	●	●	○	●	●	●	○	○	○	○
	DWB-C	x		●	●	●	●	●	●	●	●	●	○	○
	DWM-S		x	●	●	●	○	○	○	○	●	●	●	●
	DWH-S S-ATEX		x	●	●		○	○	●	●	○	●	●	●
	DWL-CF	x		●	●	●	○	○	○	○	●	●	●	●
★★ STANDARD	DWM-C		x	●	●	○	●	○	○	○	○	○	○	○
★ BASIC	DWM-C		x	●	●	○	●	○	○	○	○	○	○	○

Machine			Material		Suitability	
Power			Aggregates		Optimal	●
Low	L	≤15 kW	Very hard	Flint	Good	●
Medium	M	15–25 kW	Hard	Quartz	Acceptable	○
High	H	25–50 kW	Medium	Granite	Not suitable	
			Soft	Limestone		

Service

- + Can be supplied with locking mechanism attached on request
- + Can be delivered in unbroken lengths of up to 100 m
- + Technical support provided by our trained staff

Information / Recommendations

- + Optimum application conditions / wire speed

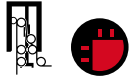
Concrete	soft aggregates with little reinforcement	21–25 m/s
Concrete	hard aggregates with high reinforcement	16–21 m/s
Steel	100 %	10–18 m/s

- + Assemble the connectors according to the instructions
- + Use only original Tyrolit accessories
- + Caution: Do not use shears for cutting. Use an angle grinder with a thin cut-off wheel
- + The safety and operating instructions sent with the machine must be observed at all times when using diamond saw wires. The safety manual will be sent to you on request



DWM-CF Diamond wire

Electroplated | for concrete



Application:


- + For machining reinforced to heavily reinforced concrete for complex projects
- + New, patented diamond wire with convex beads

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

- + Excellent and fast stock removal rate and unrivalled lifetime
- + Stable, high-quality construction
- + The wire can be used in both directions

	Type number	Diameter	Beads/m
	34650316	10,8	46

Very long lifetime thanks to reinforced connection from bead to rubber



DWM-C Diamond wire

Electroplated | for concrete



Application:



- + For machining reinforced to heavily reinforced concrete for complex projects

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

- + Excellent stock removal rate thanks to aggressive diamond grit
- + Stable and high-quality construction and a high number of beads ensure outstanding stability and smooth running

	Type number	Diameter	Beads/m
	34425148	8,5	46
	34370664	10,2	46

Very long lifetime thanks to reinforced connection from bead to rubber



DWB-C Diamond wire

Brazed | for concrete



Application:


- + For machining reinforced to heavily reinforced concrete

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

- + Excellent stock removal rate thanks to special bonding of the diamond grit
- + Can be used universally with different concrete compositions and reinforcement proportions

	Type number	Diameter	Beads/m
	34506930	10,5	40



DWL-CF Diamond wire
Sintered | for concrete



Application:


- + For machining reinforced to heavily reinforced concrete

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

- + Excellent stock removal rate thanks to special bonding of the diamond grit
- + Can be used universally with different concrete compositions and reinforcement proportions

	Type number	Diameter	Beads / m
	34733733	10,5	40



DWM-C Diamond wire
Electroplated | for concrete



Application:


- + For machining lightly reinforced to non-reinforced concrete for daily use

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

- + Very good stock removal rate thanks to aggressive diamond grit
- + Excellent lifetime thanks to electroplated galvanisation for maximum safety and less wear
- + Stable and high-quality construction ensures stability and smooth running

	Type number	Diameter	Beads / m
	34425078	10	40



DWM-C Diamond wire
Electroplated | for concrete



Application:


- + For machining lightly reinforced to non-reinforced concrete for daily use

We recommend:

- + Application in combination with Tyrolit wire saws

Features:

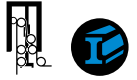
- + Excellent stock removal rate thanks to aggressive diamond grit
- + Good lifetime thanks to electroplated galvanisation for maximum safety and less wear
- + Stable and robust construction ensures stability and smooth running

	Type number	Diameter	Beads / m
	34410842	10	40



DWH-S ATEX Diamond wire

Electroplated | for steel



Application:


- + For the machining of large-dimensioned steel or reinforced concrete during dismantling or demolition, also underwater
- + ATEX certified, therefore particularly suitable for critical areas such as the dismantling of offshore installations (special operation instructions apply)

We recommend:

- + Application in combination with Tyrolit wire saws
- + For lengths from 2.9 - 82 m, the diamond wire is also available in a spliced design (SL)

Features:

- + Excellent stock removal rate thanks to large and aggressive diamond grit
- + Excellent lifetime thanks to electroplated galvanisation for maximum safety and less wear
- + Stable, high-quality construction and a high number of beads ensure outstanding stability and smooth running
- + Maximum safety thanks to ATEX certification, even in explosion-hazardous areas (special operation instructions apply)
- + Yellow colour for better visibility, especially under water

	Type number	Diameter	Beads / m
	34053745	11.0	46



DWH-S | SL Diamond wire

Electroplated | for steel



Application:



- + For machining large-dimensioned steel or reinforced concrete during dismantling or demolition, also underwater

We recommend:

- + Application in combination with Tyrolit wire saws
- + For lengths from 2.9 - 82 m, the diamond wire is also available in a spliced design (SL)

Features:

- + Excellent stock removal rate thanks to large and aggressive diamond grit
- + Stable, high-quality construction and a high number of beads ensure outstanding stability and smooth running
- + Yellow colour for better visibility, especially under water

	Type number	Diameter	Beads / m
	34380722	11,0	46
	34642085	11,0	46

Very long lifetime thanks to reinforced connection from bead to rubber



DWM-S | SL Diamond wire

Electroplated | for steel



Application:



- + For machining large-dimensioned steel for general purpose and during demolition

We recommend:

- + Application in combination with Tyrolit wire saws
- + For lengths from 2.9 - 82 m, the diamond wire is also available in a spliced design (SL)

Features:

- + Excellent stock removal rate thanks to aggressive diamond grit
- + Stable, high-quality construction and a high number of beads ensure outstanding stability and smooth running


	Type number	Diameter	Beads / m
	603261	10,2	46
	34608052	10,2	46

Very long lifetime thanks to reinforced connection from bead to rubber

Diamond wire accessories




Hydraulic hand press 80 kN for optimum connection of diamond wires,
incl. 1 set of press inserts for hand press TN 578301.

	Type number	Pressing force	Wire diameter
	SPV 117984	80kN-KPL	8 / 10.2 / 11 mm

Diamond wire accessories




Press inserts for hydraulic hand press 80 kN (TN 117984).

	Type number	Saw wire diameter
	SPEV 524002	8
	578301	10.2 / 11

Diamond wire accessories





Joint connectors and spare bolts for saw wire diameters 10–11.3 mm.

	Type number	Design	Saw wire diameter
	SVG 218909	Joint connector	10–11.3
	SVGB 218914	Spare bolt	

Diamond wire accessories




Repair connector for saw wire diameters 8.5–11.3 mm.

		Type number	Saw wire diameter
	SVR	902134	8.5
		600045	10–11.3
			

Diamond wire accessories




Assembly device for cardanic sleeve and spare pin.

		Type number	Comment
	SMGV	860404	II Assembly picture
		148130	2.5 Spare bolt

Diamond wire accessories



A60W-BFP | Premium 2in1 Cut-off wheel for cutting the wire.

		Type number	Dimension
	41	34332792	125 × 1.0 × 22.23

Compatibility overview

Wire saws



10998000
Wire saw
WCU17



10982500
Circular wire saw
CC25



10994900
Wire saw
SB-E



10990000
Wall saw
WSE1621



11008300
Wall saw
WSE1621 MKII



10996800
Wall saw
WSE2226QC

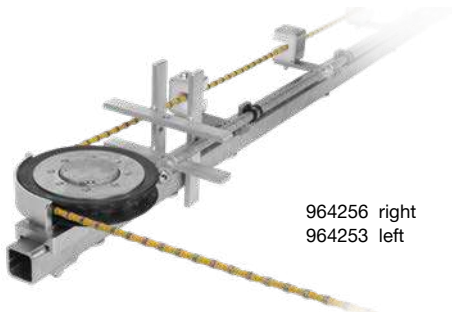


10991100 Modular
drilling gearbox
DGB1000 kpl

11008400 Electric main drive WSE1621 MKII	●	●		●		
11008500 Electric control unit WSE1621 MKII	●	●		●		
10997955 Electric main drive WSE1621	●	●		●		●
11002700 Electric control unit WSE1621	●	●		●		●
10986800 Electric main drive WSE2226			●		●	
10986700 Electric control unit WSE2226			●		●	
10988900 Electric main drive WSE1217	●	●				●
10989300 Electric control unit WSE1217	●	●				●

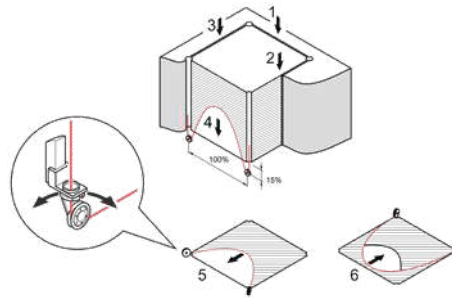
Wire saw accessories

Plunge tube



964256 right
964253 left

Equipment for cutting a cube out of concrete foundations



Immersion wire saw procedure for horizontal and vertical cutting. Cutting depths up to 2.5 m

Diverter rolls for wire guidance



10990900

Universal support: Wire can be diverted in any direction



10994985

Plug roll: For hole Ø 62 mm, slot allows insertion of closed wire loops



980712

Diverter roll: Wire diversion with one adjustable axis



980706

Support roll: Eliminates sagging wire and reduces vibration

Plunge tube

964256	Plunge wire sawing assembly right side
964253	Plunge wire sawing assembly left side
977099	Base swivel pulley for plunge tube (left)
10982439	Base swivel pulley for plunge tube (right)

Diverter rolls

980712	Frame short
10990900	Universal pulley frame
10994985	Plug roll cpl.
980713	Swivel pulley for universal pulley frame
964254	Pulley Ø 200 mm
964419	Pulley Ø 200 mm with hole Ø 13 mm
980714	Individual pulley Ø 200 mm with clamp
980706	2 support pulleys with holder

★★★
PREMIUM

Wire saw WCU17

Gross wire length 17 m



Greatly simplified handling of the wire storage



Easy starting thanks to multiple pulley drive



Assembled in no time: ergonomic, compact and weight-optimised main components

The wire saw with the extra large wire storage and long stroke for maximum utilisation and application for a maximum structure size of 12.6 m. Very finely adjustable feed with wire-conserving smooth starting

for optimal control of the application, also thanks to the innovative damping system. The saw, consisting of only three ergonomically optimised main components, is assembled within a minute and can be placed directly

on the object to be cut. Wire guidance is intuitive and simple. The expandable modular system can be driven both electrically as well as hydraulically by means of add-on kits.

System & Accessories

Technical data

Wire	
Wire storage	12.6 m
Overall wire length	17 m
Wire Ø, sintered	11 mm
Wire Ø, galvanised	10 mm

Design

6 drive rolls Ø 200 mm
Diverter rolls Ø 200 mm

Dimensions & Weight wire saw

Height	1 600 mm
Width	750 mm
Depth	500 mm
Weight without cover	86 kg
Weight with cover	98 kg

System & Accessories

Wire saw system WCU17 / WSE1621 / WSE1621 MKII	
10998000	Wire saw WCU17 (incl. wire protection)
11014779	Motor mounting kit WSE1621 MKII
11008400	Electric main drive WSE1621 MKII 400–480 V / 50 Hz
11008500	Electric control unit WSE1621 MKII 400–480 V / 50 Hz incl. radio remote control

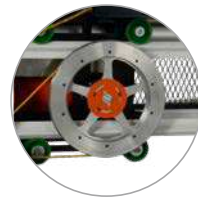
Accessories

11000004	Motor mounting kit WSE1621
10997000	Motor mounting kit WSE1217
10997100	Motor mounting kit hydraulic (max. 25 kW)
10999257	Template WCU17
10999322	Water lance 8 m Geka
973892	Quick-change set for motors size 2
976161	Motor complete B/S 18 ccm / FD
976162	Motor complete B/S 22 ccm / FD
976163	Motor complete B/S 30 ccm / FD
960575	Drive wheel lining 200 black
10997222	Pulley Ø 200 Standard
977954	Protective sleeve

★★★
PREMIUM

Wire saw WCE18

Gross wire length 19 m



High start-up torque and power transfer with minimal slippage due to the large drive wheel.



Reduced load on main components due to reduced-pressure wire storage.



Clear, user-friendly control panel.

The wire saw has 15 m of wire storage and a powerful 18 kW high-performance drive for tough jobs in high-performance sectors such as controlled dismantling of large buildings.

The continuously variable wire speed from 0-25 m/s and the precisely adjustable tensile force – thanks to pneumatic wire tension – help provide maximum cutting performance.

System & Accessories

Technical data

Wire

Wire storage	15 m
Gross wire length	19 m
Wire Ø	8-12 mm

Design

High-frequency electric motor 18 kW
1 large drive roller Ø 445 mm
Pulleys Ø 280 mm
Continuously variable and controllable wire speed
Feed is pneumatic due to a compressor (accessories)

Electric motor

Water-cooled high-frequency motor	
Output at 32 A	18.5 kW

Monitoring

Voltage	380-400 V
Frequency	50 Hz / 60 Hz

Wire saw dimensions & weight

Height	1 170 mm
Width	1 810 mm
Depth	760 mm
Weight	354 kg

Control dimensions & weight

Height	1 240 mm
Width	730 mm
Depth	750 mm
Weight	113 kg

System & Accessories

Wire saw WCE18

10999800	Wire saw WCE18
----------	----------------

Accessories

11001135	Pneumatic compressor 6 l / 8 bar
----------	----------------------------------

★★★
PREMIUM

Wire saw WCE30

Gross wire length 30 m



Optimal start-up torque and power transfer with minimal slippage due to 2 large drive wheels.



Chassis made from stainless steel.



Clear, user-friendly control panel.

25 m wire storage and a double-motor high-frequency drive with 37 kW make child's play of decommissioning even large structures like bridges, chimneys and foundations. The continuously

variable wire speed from 0-25 m/s and the precisely adjustable tensile force thanks to pneumatic wire tension help provide optimal cutting performance.

System & Accessories

Technical data

Wire

Wire storage	25 m
Gross wire length	30.1 m
Wire Ø	8-12 mm

Design

Double high-frequency electric motor 40 kW
2 large drive rollers Ø 445 mm
Pulleys and storage rolls Ø 280 mm
Continuously variable and controllable wire speed from 0-25 m/s
Feed is pneumatic due to a compressor (accessories)

Electric motor

2 water-cooled high-frequency motors	
Output at 63 A	2x 20 kW

Control

Voltage	380-400 V
Frequency	50 Hz / 60 Hz

Wire saw dimensions & weight

Height	1290 mm
Width	2300 mm
Depth	740 mm
Weight	544 kg

Control dimensions & weight

Height	1240 mm
Width	610 mm
Depth	370 mm
Weight	113 kg

System & Accessories

Wire saw WCE30

10999700	Wire saw WCE30
----------	----------------

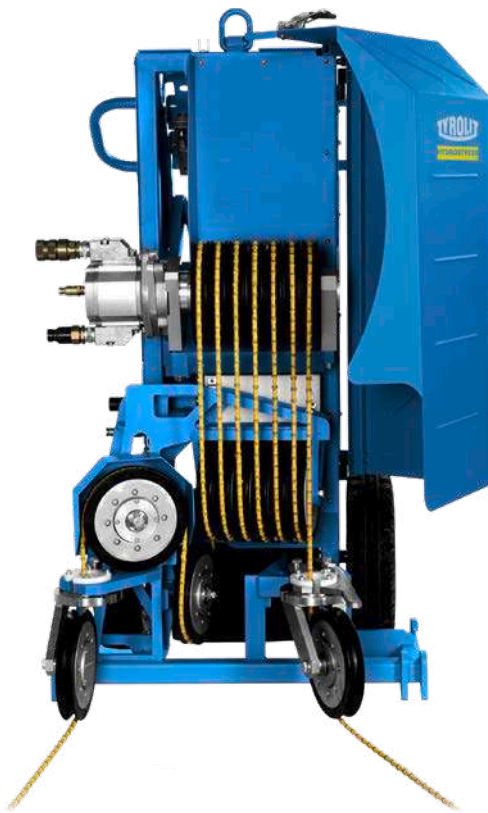
Accessories

11001135	Pneumatic compressor 6 l / 8 bar
----------	----------------------------------

★★★
PREMIUM

Wire saw SB ATEX | SB-E

Gross wire length 15.5 m



Efficient power transmission through multi-pulley drive



Quiet running because of hydraulic wire tensioner



Size of wire storage can be decreased or increased in a glimpse

The wire saw with plenty of wire storage packed within a compact and mobile casing featuring a powerful multiple pulley transmission. The SB

can be driven by hydraulic power packs as well as by the modular WSE2226 system with its striking 26 kW drive motor.

System & Accessories

Technical data

Wire	
Wire storage capacity	10 m
Gross wire length	15 m
Wire Ø, sintered	11 mm
Wire Ø, galvanic	10 mm

Design

Size 3 hydraulic motor or electric motor 26 kW
7 drive pulleys Ø 200 mm (180)
Diverter pulleys Ø 200 mm (180)
Wire fed to wire storage using hydraulic cylinder

Dimensions & Weight

Height	1 310 mm
Width	735 mm
Depth	750 mm
Weight	170 kg

Electric motor

Water-cooled high-frequency motor	
Output at 32 A	17 kW
Output at 63 A	26 kW
Weight	25 kg

Control unit electric motor

Voltage	400 V
Frequency	50/60 Hz
Weight	26 kg

Feed unit SB-E

Voltage	400 V
Frequency	50/60 Hz
Output at 63 A	18 kW
Rotational speed control via frequency converter	

Dimensions & Weight

Height	510 mm
Width	390 mm
Depth	670 mm
Weight	32 kg

System & Accessories

Wire saw system SB	
961946	Wire saw SB
976165	Motor complete S 25 ccm / FD, incl. leak oil conn.

Wire saw system SB-E

10994900	Feed unit SB-E
961946	Wire saw SB
10986800	Electric main drive motor WSE2226P 400 V / 50 Hz
10986700	Electric control unit WSE2226P 400 V / 50 Hz incl. radio remote control

Accessories

976166	Motor complete S 31 ccm / FD, incl. leak oil conn.
976167	Motor complete S 40 ccm / FD, incl. leak oil conn.
976168	Motor complete S 50 ccm / FD, incl. leak oil conn.
961902	Pulley Ø 200 mm with hole Ø 13 mm (75 Shore)
961901	Diverter pulley Ø 200 mm
960575	Drive wheel lining 200 black
977083	Water lance 2,5 m
977613	Protective sleeve cpl.
10988618	Water lance 8 m
974066	Leakage oil hose 8 m FIRG
10996200	Motor mounting kit WSE2226 -> SB

★★★
PREMIUM

Circular wire saw CCH25 | CCE25

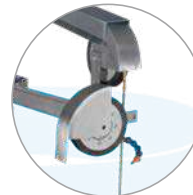
Circular cuts of Ø 500–2 500 mm



Standard hydraulic drive motor



Wire can be easily inserted and tensioned



Flexible water supply

As part of the modular Tyrolit systems, the circular wire saw can be driven either hydraulically (CCH25) or electrically (CCE25). The covered

wire guide ensures safe application and the well-thought-out design ensures simple handling.

System & Accessories

Technical data

Wire

Wire length for hole diameter 500 mm (100 mm thickness)	4 m
Wire length for hole diameter 2,500 mm (600 mm thickness)	6.2 m
Wire Ø, sintered	11 mm
Wire Ø, galvanic	10 mm

Hydraulic version

Hydraulic motor GR2
1 drive roll Ø 200 mm
Diverter rolls Ø 200 mm
Wire fed from wire store hydraulically

Electric version

1 drive roll Ø 200 mm (180)
Diverter rolls Ø 200 mm (180)
Wire fed from wire store electrically

Electric motor

Nominal power (32 A)	20 kW
Motor power S1 (32 A)	17 kW

Control

Voltage	400–480 V
Frequency	50/60 Hz
Weight	22 kg

Weight

Electric main drive motor WSE1621 MKII	16 kg
Electric control unit WSE1621 MKII	18 kg
Circular wire saw basic machine	122 kg

System & Accessories

Wire saw system CCH25

967610	Circular wire saw base machine
980759	Feed motor hydraulic 50 ccm
976160	Motor complete B/S 16 ccm / FD
973892	Quick-change set for motors size 2

Wire saw system CCE25

10990500	Circular wire saw CCE25
11014778	Drilling and circular wire saw kit WSE1621 MKII Universal
11008400	Electric main drive motor WSE1621 MKII 400–480 V / 50 Hz
11008500	Electric control unit WSE1621 MKII 400–480 V / 50 Hz incl. remote control

Accessories

964887	Center tube SL adjustment
978788	Cantilever pipe, short (up to Ø 1.25 m)
978764	Cantilever pipe, long (up to Ø 2.5 m)
978786	Splash protection channel (Ø 2.5 m)
978787	Splash protection channel (Ø 1.25 m)
977083	Water lance 2.5 m
964254	Pulley Ø 200 mm
969413	Drive wheel SL Ø 200 mm
960575	Drive wheel lining 200 black



TYROLIT



Floor sawing

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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							○	●	●	
	FSL-A DRY	L/M	M							○	●	●	
	FSM-A	M/H	M							●	●	●	
	FSM-A DRY	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	●	●	●	●						
	FSH-CX	H/X	H	●	●	●	●						
	FSX-C3	H/X	H/X	●	●	●	●						
	FSL-G3	L	L					●	●	○		○	
	FSL-G4	M	L/M					●	●	○		○	
	FSM-G3	M/H	L/M					●	●	●	○	●	
	FSM-G4	M/H	M/H					●	●	●	○	●	
	FSM-HGT3	M/H	M/H					●	●	●	○	●	
	FSM-G5	H/X	H/X					●	●	●	●	●	
FSH-G3	H	X					○	●	●	●	●		
FSH-HGT3	H	X					○	●	●	●	●		
FSA+C	L	L				○	○		○	○	○	●	
★ BASIC	FSA	L	L							○	○	●	
	FSU	L	L	○	●	●	●						

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

* 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	
Asphalt	55–60 m/s
Asphalt dry	40–50 m/s
Cured concrete soft aggregates with little reinforcement	40–50 m/s
Cured concrete hard aggregates	35–45 m/s
Green concrete	50–55 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.



FSX-C3 Floor saw blade
for cured concrete | in TGD® Technology



Application:

- + Machines from 50 kW / hydr. > 75 kW
- + Universal; soft to very hard concrete aggregates

We recommend:

- + Petrol machines up to 15 kW
- + Electric/hydraulic machines up to 15 kW
- + Ideally suited for soft to medium-hard concrete; well suited for hard concrete
- + Peripheral speed for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Tyrolit TGD® technology with 40 mm segments enables optimum cooling and increased productivity with low effort for the machine and user thanks to intelligent diamond distribution
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + 40 mm segment length; special segment form with protective function against premature wear of the core blade in the connection zone (undercutting-effect)

	Shape	Type number	Dimension	Driving bore	Segment height	
		C37W	34349099	450 × 5 × 35/25,4	7M174	14
		34190381	500 × 3,9 × 25,4		14	
		34212466	500 × 4,4 × 25,4		14	
		34212475	600 × 3,9 × 25,4		14	
		34212464	600 × 3,9 × 35/25,4	7M174	14	
		34212468	600 × 4,4 × 25,4		14	
		34075027	600 × 4,4 × 35/25,4	7M174	14	
		34190384	650 × 3,9 × 25,4		14	
		34212469	650 × 4,4 × 25,4		14	
		34071124	650 × 4,4 × 35/25,4	7M174	14	
		34212490	750 × 3,9 × 25,4		14	
		C37W	34212481	750 × 4,4 × 25,4		14
		34075029	750 × 4,4 × 35/25,4	7M174	14	
		34376610	800 × 4,4 × 25,4		14	
		34212482	900 × 4,4 × 25,4		14	
		34075041	900 × 4,4 × 35/25,4	7M174	14	
		34311460	1000 × 4,4 × 25,4		14	
		34297545	1000 × 4,4 × 35/25,4	7M174	14	
		34297602	1200 × 4,4 × 25,4		14	
		34295503	1200 × 4,4 × 35/25,4	7M174	14	

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-CX Floor saw blade
for cured concrete | in TGD® Technology



Application:

- + Machines from 50 kW / hydr. > 75 kW
- + Medium to hard concrete aggregates and concrete with a higher degree of reinforcement

We recommend:

- + Petrol/diesel machines from 25 kW to > 50 kW
- + Ideally suited for medium-hard to very hard concrete, well suited for soft concrete
- + Short tooth technology for easy feeding and cutting
- + Peripheral speed for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Consistently fast cutting performance and noticeably smooth running thanks to optimised grain distribution
- + Excellent cutting performance thanks to a system specially tailored to the application and power class, for straight cutting
- + 20 mm segment length; special segment form with protective function against premature wear of the core blade in the connection zone (undercutting-effect)

	Shape	Type number	Dimension	Driving bore	Segment height
		C77W	34490794	350 × 3.9 × 25.4	10
		34543798	450 × 3.9 × 25.3	10	
		34415340	500 × 3.9 × 25.4	10	
		34398707	500 × 4.4 × 25.4	10	
		34415411	600 × 3.9 × 25.4	10	
		34518415	600 × 4.4 × 35/25.4	7M174	10
		34415417	600 × 4.4 × 25.4	10	
		34543799	600 × 5 × 25.5	10	
		34539240	600 × 5.4 × 25.4	10	
		34591760	600 × 5.4 × 35/25.4	7M174	10
		34415412	650 × 3.9 × 25.4	10	
		34530761	650 × 4.4 × 35/25.4	7M174	10
		34415418	650 × 4.4 × 25.4	10	
		34438342	750 × 4.4 × 25.4	10	
		34518417	750 × 4.4 × 35/25.4	7M174	10
		34535827	800 × 4.4 × 35/25.4	7M174	10
		34464256	800 × 4.4 × 25.4	10	
		34720926	800 × 5.4 × 35/25.4	7M174	10
		34438343	900 × 4.4 × 25.4	10	
		34530763	900 × 4.4 × 35/25.4	7M174	10
34538573	900 × 5 × 25.4	10			
34499425	1000 × 4.4 × 35/25.4	7M174	10		
34543797	1200 × 4.4 × 35/25.4	7M174	10		
34538575	1200 × 5 × 25.4	10			

Diameters of up to 1 600 mm (laser-welded) on request.

● = low ● = medium ● = high ● = extreme high power



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



Application:

- + Machines up to 50 kW / hydr. > 50 kW
- + Universal; soft to very hard concrete aggregates

We recommend:

- + Petrol/diesel machines from 25 kW to > 50 kW
- + Ideally suited for medium-hard to very hard concrete, well suited for soft concrete
- + Short tooth technology for easy feeding and cutting

- + Peripheral speed for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Very high cutting performance for efficient cutting
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + 20 mm segment length; special segment form with protective function against premature wear of the core blade in the connection zone (undercutting-effect)

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

Diameters of up to 1 600 mm (laser-welded) on request.

● = low ● = medium ● = high ● = extreme high power



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



Application:

- + Machines up to 25 kW
- + Soft to hard concrete aggregates

We recommend:

- + More powerful floor saws 25 kW to 50 kW
- + Ideally suited for medium-hard to very hard concrete
- + Ideally suited for medium-hard to very hard concrete; well suited for soft concrete
- + Peripheral speed for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Consistently fast cutting performance and noticeably smooth running thanks to optimised grain distribution
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + 20 mm segment length; special segment form with protective function against premature wear of the core blade in the connection zone (undercutting-effect)

	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	7M174	10
		615342	450 × 3.9 × 25.4	10	
		653498	450 × 3.9 × 35/25.4	7M174	10
		613277	450 × 5 × 25.4	10	
		631830	450 × 5 × 35/25.4	7M174	10
		613280	500 × 3.9 × 25.4	10	
		613284	600 × 3.9 × 25.4	10	
		613285	600 × 4.4 × 25.4	10	
	C77W	613286	600 × 5 × 25.4	10	
	624783	600 × 5 × 35/25.4	7M174	10	
	613287	700 × 3.9 × 25.4	10		
	615343	700 × 4.4 × 25.4	10		
	643676	700 × 4.4 × 35/25.4	7M174	10	
	613288	800 × 4.4 × 25.4	10		
	621887	800 × 4.4 × 35/25.4	7M174	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	7M174	10	
	620575	1200 × 4.4 × 25.4	10		

Diameters of up to 1 600 mm (laser-welded) on request.

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



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



Application:

- + Machines up to 15 kW
- + Soft to very hard aggregates

We recommend:

- + For medium-duty floor saws 15 to 25 kW; electric and diesel-powered machines
- + Ideally suited for medium-hard aggregates
- + Peripheral speed for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Cutting performance in the foreground for optimum machining of various materials: higher degree of self-shaving
- + Well-balanced specification; tailored to low-performance floor saws
- + 20 mm segment length; special segment form with protective function against premature wear of the core blade in the connection zone (undercutting-effect)

	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
		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	7M174	10		

● = low ● = medium ● = high ● = extreme high power



FSC Floor saw blade for cured concrete



Application:

- + Machines up to 15 kW
- + Soft to very hard aggregates



We recommend:

- + Petrol/diesel machines up to 25 kW
- + Electrics/hydraulic machines 15 to 25 kW
- + Ideally suited for soft to medium-hard asphalt; well suited for hard asphalt

- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Universal saw blade for low-power machines
- + Well suited for rental and construction trade
- + Additional drill hole for easier measurement of wear

	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



FSL-A Floor saw blade for asphalt



Application:

- + Machines up to 25 kW
- + For all asphalt types
- + Suitable for the renovation of asphalt road surfaces, for installation work, and for removing damaged asphalt surfaces up to a thickness of 50 cm

We recommend:

- + Petrol/diesel machines from 25 to 50 kW

- + Electrics/hydraulic machines 15 to 25 kW
- + Ideally suited for hard asphalt, well suited for soft to medium-hard asphalt
- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Extremely fast cutting feed, very long service life and low cutting pressure protect the machine
- + Laser-welded segment

	Shape	Type number	Dimension	Segment height		
		C7SW	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	9	
		621163	450 × 5 × 25.4	9		
		713047	450 × 5 × 35/25.4	7M174	9	
		599004	500 × 3.6 × 25.4	9		
		156321	500 × 3.6 × 35/25.4	7M174	9	
		620558	600 × 3.6 × 25.4	9		
		584375	600 × 3.6 × 35/25.4	9		
		628555	600 × 3.6 × 35/25.4	7M174	9	
		621164	600 × 5 × 35/25.4	9		
		657349	600 × 5 × 35/25.4	7M174	9	
		34237486	700 × 4.7 × 35/25.4	9		
		34278102	700 × 4.7 × 35/25.4	7M174	9	
		34237487	800 × 4.7 × 35/25.4	9		
34324905	800 × 4.7 × 35/25.4	7M174	9			
		C1S	620553	900 × 4.7 × 35/25.4	9	
		620555	1000 × 4.7 × 35/25.4	7M174	9	
		620556	1200 × 4.7 × 35/25.4	9		
		C7SW	34315995*	350 × 4.2 × 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



Application:

- + Machines up to 50 kW
- + Hard to very hard aggregates

We recommend:

- + Petrol/diesel machines from 25 to > 50 kW
- + Electrics/hydraulic machines from 25 to 50 kW
- + Ideally suited for hard asphalt; acceptably suited for soft to medium-hard asphalt

- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Consistently fast cutting performance for medium-duty joint cutting machines
- + Laser-welded 40 mm segment

	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
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

Technologies

Core drilling

Wall sawing

Wire sawing

Floor sawing

Drives

Free hand

Table sawing

Further applications

Notes



FSH-A Floor saw blade for asphalt



Application:

- + Machines over 50 kW
- + Hard to very hard, abrasive aggregates

We recommend:

- + Petrol/diesel machines from 15 to 50 kW
- + Electric/hydraulic machines from 15 to 50 kW
- + Ideally suited for hard to very hard green concrete; well suited for soft to medium-hard green concrete

- + Well suited for soft to medium-hard asphalt; limited suitability for hard asphalt
- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Long height for powerful joint cutting machines
- + Laser-welded 40 mm segment

	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		

● = low

● = medium

● = high



FSL-A DRY Floor saw blade
for asphalt | dry cutting

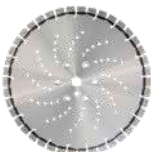



Application:

- + Special design for widening joints in asphalt in dry cutting
- + Can also be used as a sawing package, depending on the required joint width
- + For joint cutters with extraction systems up to 45 kW
- + Recommended for machines with lower power, full cut asphalt

Features:

- + Extremely fast cutting feed, very long service life and low cutting pressure protect the machine
- + Laser-welded segments

	Shape	Type number	Dimension	Segment height
		C7PW 34772542	350 x 4.6 x 25.4 7M174	13



FSM-A DRY Floor saw blade
for asphalt | dry cutting

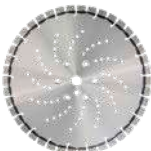



Application:

- + Special design for widening joints in asphalt in dry cutting
- + Can also be used as a sawing package, depending on the required joint width
- + For joint cutters with extraction systems up to 45 kW
- + Recommended for more powerful machines

Features:

- + Extremely fast cutting feed, very long service life and low cutting pressure protect the machine
- + Laser-welded segments

	Shape	Type number	Dimension	Segment height
		C7PW 34771407	350 x 4.6 x 25.4 7M174	13

* For machines with extraction

● = low ● = medium ● = high



FSA Floor saw blade for asphalt



Application:

- + Machines up to 15 kW
- + Soft to very hard aggregates

We recommend:

- + Petrol/diesel machines up to 15 kW
- + Electric/hydraulic machines up to 15 kW
- + Ideally suited for soft to medium-hard asphalt

Features:

- + High wear protection against undercutting
- + 40 mm laser segment
- + Excellent cutting performance thanks to a system specially tailored to the application and power class

	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	



FSA Floor saw blade for asphalt



Application:

- + Machines up to 15 kW
- + asphalt, sandstone, extremely abrasive materials

We recommend:

- + Petrol/diesel machines up to 15 kW
- + Electric/hydraulic machines up to 15 kW
- + Ideally suited for soft to medium-hard asphalt, well suited for hard asphalt

- + Limited suitability for soft to hard green concrete and soft to medium-hard cured concrete
- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s; for cured concrete with soft aggregates and little reinforcement 40-50 m/s; for cured concrete with hard aggregates 35-45 m/s

Features:

- + Excellent price-performance ratio
- + 40 mm laser segment

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

● = low ● = medium ● = high

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



Application:

- + Machines up to 15 kW
- + Processable materials: asphalt, green concrete with soft to hard material aggregates

- + Electric/hydraulic machines up to 15 kW
- + Ideally suited for soft to medium-hard cured concrete; well suited for hard cured concrete; limited suitability for hard cured concrete

We recommend:

- + Petrol/diesel machines up to 15 kW

Features:

- + Combination saw blade for asphalt and concrete with excellent price/performance ratio
- + Well suited for rental and construction trade

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

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



We recommend:

- + Petrol/diesel machines up to 15 kW
- + Electric/hydraulic machines up to 15 kW
- + Ideally suited for very hard green concrete; well suited for hard green concrete; limited suitability for soft to medium-hard green concrete
- + Limited suitability for soft to medium-hard asphalt

- + Circumferential speed for green concrete 50-55 m/s; for asphalt 55-60 m/s

Features:

- + Excellent price-performance ratio
- + 40 mm laser segment

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

● = low ● = medium ● = high



FSM-G4 Floor saw blade
for green concrete



Application:

- + Machines up to 50 kW
- + Universal; soft to very hard concrete aggregates
- + Expansion joints Industrial flooring

We recommend:

- + Petrol/diesel machines from 25 to >50 kW
- + Electric/hydraulic machines from 25 to > 50 kW
- + Ideally suited for hard green concrete; well suited for very hard and soft to medium-hard green concrete

- + Well suited for soft to hard asphalt
- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Low cutting pressure, very clean joint edges, extremely fast cutting
- + Slanted protective segments to prevent premature wear of the core blade in the connection zone (undercutting-effect)
- + Optimal edge removal for professional users

	Shape	Type number	Dimension	Segment height
		C73SW 34015812	300×2.4×25.4	13
		151540	350×2.8×25.4	13



FSL-G4 Floor saw blade
for green concrete



Application:

- + Machines up to 25 kW
- + Very hard concrete aggregates
- + Expansion joints Industrial flooring

We recommend:

- + Petrol/diesel machines from 25 to 50 kW
- + Electric/hydraulic machines up to 25 kW
- + Ideally suited for hard to very hard green concrete; well suited for soft to medium-hard green concrete

- + Well suited for soft to medium-hard asphalt; limited suitability for hard asphalt
- + Circumferential speed for green concrete 50-55 m/s; for asphalt 55-60 m/s

Features:

- + Very clean cut edges, fast cutting
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + Optimal edge removal for professional users

	Shape	Type number	Dimension	Segment height
		C73SW 151571	300×2.4×25.4	13
		34015787	350×2.8×25.4	13

● = low ● = medium ● = high ● = extreme high power

★★★ PREMIUM  **FSL-G3 Floor saw blade for green concrete**



Application:

- + Machines up to 15 kW
- + Universal; soft to very hard concrete aggregates
- + Expansion joints / extension joints Road construction



We recommend:

- + Petrol/diesel machines from 15 to 25 kW
- + Electric/hydraulic machines up to 25 kW
- + Ideally suited for very hard green concrete; well suited for hard green concrete; limited suitability for soft to medium-hard green concrete

- + Limited suitability for soft to medium-hard asphalt
- + Circumferential speed for green concrete 50-55 m/s; for asphalt 55-60 m/s

Features:

- + Very clean cut edges, fast cutting
- + Well suited for hard green concrete
- + Optimal edge removal for professional users

	Shape	Type number	Dimension	Driving bore	Segment height	
		C73SW	34015785	350 × 2.8 × 25.4	13	
			34157335	350 × 2.8 × 35/25.4	7M174	13
			34015786	400 × 3.2 × 35/25.4		13

★★★ PREMIUM  **FSM-G3 Floor saw blade for green concrete**



Application:

- + Machines up to 25 kW / hydraulic > 25 kW
- + Universal; soft to very hard concrete aggregates
- + Expansion joints / extension joints Road construction



We recommend:

- + Petrol/diesel machines from 25 to 50 kW
- + Electric/hydraulic machines up to 50 kW
- + Ideally suited for hard to very hard green concrete; well suited for soft to medium-hard green concrete

- + Well suited for soft to medium-hard asphalt; limited suitability for hard asphalt
- + Circumferential speed for green concrete 50-55 m/s; for asphalt 55-60 m/s

Features:

- + Very clean cut edges, fast cutting
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + Optimal edge removal for professional users

	Shape	Type number	Dimension	Driving bore	Segment height	
		C73SW	34015788	300 × 3.9 × 25.4	13	
			34170349	300 × 3.9 × 35/25.4	7M174	13
			34015790	350 × 2.8 × 25.4		13
			34071635	350 × 2.8 × 35/25.4	7M174	13
			34015791	350 × 3.2 × 35/25.4	7M174	13
			34015793	350 × 3.9 × 35/25.4	7M174	13
			34165029	350 × 5 × 35/25.4	7M174	13
			34015794	400 × 3.2 × 35/25.4	7M174	13
			34015797	450 × 3.6 × 35/25.4	7M174	13
			C3SW	34015798	500 × 3.6 × 35/25.4	7M174
		34015799	600 × 3.6 × 35/25.4	7M174	13	

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



FSM-G5 Floor saw blade
for green concrete



Application:

- + Machines up to 50 kW / hydr. > 50 kW
- + Soft to very hard concrete aggregates
- + Expansion joints / extension joints Road construction

We recommend:

- + Petrol/diesel machines from 25 to 50 kW
- + Electric/hydraulic machines > 50 kW
- + Ideally suited for hard green concrete; well suited for very hard and soft to medium-hard green concrete

- + Well suited for soft to hard asphalt
- + Circumferential speed for green concrete 50-55 m/s; for asphalt 55-60 m/s

Features:

- + Very clean cut edges, fast cutting for powerful hydraulic machines
- + Excellent cutting performance thanks to a system specially tailored to the application and power class
- + Optimal edge removal for professional users

	Shape	Type number	Dimension	Driving bore	Segment height	
		C73SW	34015813	350 × 2.8 × 35/25.4	7M174	13
			34015815	350 × 3.2 × 35/25.4	7M174	13
			151353	350 × 3.9 × 35/25.4	7M174	13
			34015816	350 × 5 × 35/25.4	7M174	13
			151359	400 × 3.2 × 35/25.4	7M174	13
			34359295	400 × 3.9 × 35/25.4	7M174	13
			151376	450 × 3.6 × 35/25.4	7M174	13
			C3SW	34015817	500 × 3.6 × 35/25.4	7M174
34015818	600 × 3.6 × 35/25.4			7M174	13	



Floor saw blade
Chamfer cutter for green concrete



H3092B50 | 90° two parts | for groove widths from 8 mm.

	Type number	Dimension	Segment height	Running direction	
	FRSU-5784A	642857	280 × 10 × 25.4	3	right
		34575156	280 × 10 × 25.4	3	left

● = low ● = medium ● = high ● = extreme high power



FSM-HGT3 Floor saw blade
for green concrete



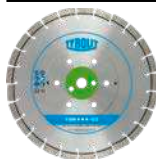

We recommend:

- + Petrol/diesel machines from 25 to 50 kW
- + Electric/hydraulic machines > 50 kW
- + Ideally suited for soft to medium-hard green concrete; well suited for hard green concrete
- + Very well suited for soft to medium-hard asphalt; well suited for hard asphalt

- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Particularly suitable for hydraulically bound base courses (HGT)
- + Laser-welded, closely toothed 40 mm segment
- + Excellent cutting performance thanks to a system specially tailored to the application and power class

	Shape	Type number	Dimension	Driving bore	Segment height
		C3CW 34459384	400 × 3.9 × 35/25.4	7M174	13



FSH-HGT3 Floor saw blade
for green concrete





We recommend:

- + Petrol/diesel machines from 25 to 50 kW
- + Electric/hydraulic machines > 50 kW
- + Ideally suited for soft to medium-hard green concrete; well suited for hard green concrete
- + Very well suited for soft to medium-hard asphalt; well suited for hard asphalt

- + Peripheral speed for asphalt 55-60 m/s; for green concrete 50-55 m/s

Features:

- + Particularly suitable for hydraulically bound base courses (HGT)
- + Laser-welded, closely toothed 40 mm segment
- + Excellent cutting performance thanks to a system specially tailored to the application and power class

	Shape	Type number	Dimension	Driving bore	Segment height
		C3CW 34459383	400 × 3.9 × 35/25.4	7M174	13

● = low ● = medium ● = high ● = extreme high power

★★★
PREMIUM

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)

★★
STANDARD

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)

★★★
PREMIUM

Floor saw FSE808

Cutting depth up to 320 mm



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

★★★
PREMIUM

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

★★
STANDARD

Floor saw FSE1240

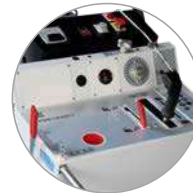
Cutting depth up to 480 mm



Suitable for construction site use, intelligent design with protected electronic components



Constant control and monitoring possibility thanks to precise displays



Easy handling due to logically arranged control panel

Thanks to intelligent weight distribution, the FSE1240 features excellent cutting behaviour. The hydraulic feed drive and electro-hydraulic cutting depth adjustment

ensure convenient and ergonomic operation. Increased flexibility using left- and right-handed cutting function and corner cutting function.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	480 mm
Max. saw blade Ø	1 200 mm
Saw blade speed	1 075 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

Drive

Drive / motor	Electric
Output	30 kW
Voltage / frequency	400 V / 50 Hz
Engine cooling	Air cooling
Feed	Hydraulic
Blade drive	Via V-belt
Feed speed	0–61 m/min

Design

Electro-hydraulic cutting depth adjustment
Cutting depth indicator
Tool cooling using water fork
Left / right cutting function
Corner flush cutting function

Dimensions & Weight

Length	1 700 mm
Width	870 mm
Height	1 160 mm
Weight	840 kg

System & Accessories

Floor saw FSE1240	
10984045	Floor saw FSE1240
<i>Diesel particle filter and transformation set on request</i>	

★★★
PREMIUM

Floor saw FSD1274E5 3-Speeds

Cutting depth up to 480 mm



Three speeds for ideal rotational speeds and optimised lifetime



Safe repositioning of the saw thanks to neutral position

Floor saw with powerful and economical, built-in longitudinal 74 PS Kubota turbo diesel engine. The cutting shaft in the oil bath minimises maintenance work and protects the bearing from slurry. An automatic On/

Off function simplifies handling and reduces cooling water consumption. The hydraulic drive system with no belts or chains to adjust and the hydraulic handle adjustment ensure effortless and time-saving work.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	480 mm
Max. saw blade Ø	1 200 mm
No Load saw blade speed	1 700/1 250/975 1/min
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

Drive

Drive / motor	Diesel Euro Stage V
Type	Kubota
Output	55 kW / 74 HP
Fuel	Diesel
Fuel tank	41 l
Engine cooling	Water cooling
Feed	Hydraulic
Blade drive	Directly flange-mounted
Feed speed	0–76 m/min

Design

Electro-hydraulic cutting depth adjustment
Electronic depth stop and indication
Electronic blade speed control when selecting blade sizes
Hydraulic adjustable handle height
Left / right cutting function
Tool cooling using water fork
Electronic display with Controller Area Network (CAN) bus communication with Engine Control Unit (ECU)
3 speed gear box with neutral position

Dimensions & Weight

Length	1 650 mm
Width	927 mm
Height	1 486 mm
Weight	1 057 kg

System & Accessories

Floor saw FSD1274E5	
11004700	Floor Saw FSD1274E5 3 Speed (1 200 mm guard)

Accessories

10985254	650 mm (26") blade guard
10989836	750 mm (30") blade guard
10989838	900 mm (36") blade guard
10993459	1 000 mm (42") blade guard





Drives

Machines

230

Technologies

Core drilling

Wall sawing

Wire sawing

Floor sawing

Drives

Free hand

Table sawing

Further applications

Notes

★★
STANDARD

Drive PPH25

Power 25 kW



Ergonomically arranged control panel



Safe due to high quality electronic components



Manometer display for main and feed cycle

The 2-stage control ensures optimum cutting speeds for all applications. A simple and uncomplicated drive

with product features reduced to the essentials.

System & Accessories



Technical data

Electric motor

Power	25 kW
-------	-------

Hydraulic

Pressure stages	2
-----------------	---

2 feed circuits	Gear wheel
-----------------	------------

Main circuit	Dual gear pump
--------------	----------------

Power

Stage 1	45 l/min at 230 bar
---------	---------------------

Stage 2	50 l/min at 200 bar
---------	---------------------

Electric

Voltage	400/480 V
---------	-----------

Frequency	50/60 Hz
-----------	----------

Current consumption (400 V / 50 Hz)	42 A
-------------------------------------	------

Dimensions & Weight

Length	720 mm
--------	--------

Width	475 mm
-------	--------

Height	988 mm
--------	--------

Weight	145 kg
--------	--------

System & Accessories

Drive unit PPH25

10984200*	Drive unit PPH25 / 380–420 V / 50 Hz
-----------	--------------------------------------

976206	Hose package 5 pieces 8 m FD
--------	------------------------------

975672	Hose package 2 pieces 8 m FF (feed)
--------	-------------------------------------

Accessories

973074	El.-plug CEE 63/5 pol.
--------	------------------------

999578	On/off valve for wire sawing
--------	------------------------------

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH25RR

Power 25 kW



Freedom of movement thanks to remote control. All remote control functions are adjustable



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

The 4-stage control ensures optimal cutting speeds for all applications and the potentiometer of the remote

control ensures a wire-conserving smooth start / soft start.

System & Accessories



Technical data

Electric motor

Power	25 kW
-------	-------

Hydraulics

Pressure stages	4
2 feed circuits	Radial piston pump
Main circuit	Triple gear pump

Output

Stage 1	45 l/min at 230 bar
Stage 2	50 l/min at 200 bar
Stage 3	60 l/min at 170 bar
Stage 4	70 l/min at 140 bar

Electrical equipment

Voltage	380/480 V
Frequency	50/60 Hz
Current consumption (400 V / 50 Hz)	42 A
2 secondary connections, (230 V / 50 Hz / 10 A (400 V / 50 Hz)	

Dimensions & Weight

Length	760 mm
Width	550 mm
Height	1 140 mm
Weight	170 kg

System & Accessories

Drive unit PPH25RR

10983900*	Drive unit PPH25RR / 380–420 V / 50 Hz / freq. 434 MHz
-----------	---

976206	Hose package 5 pieces 8 m FD
--------	------------------------------

975672	Hose package 2 pieces 8 m FF (feed)
--------	-------------------------------------

Accessories

973074	El.-plug CEE 63/5 pol.
--------	------------------------

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH40RR

Power 40 kW



Freedom of movement thanks to remote control. All remote control functions are adjustable



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

The 4-stage control ensures optimal cutting speeds for all applications and the potentiometer of the remote

control ensures a wire-conserving smooth start / soft start.

System & Accessories



Technical data

Electric motor

Power	40 kW
-------	-------

Hydraulics

Pressure stages	4
2 feed circuits	Radial piston pump
Main circuit	Triple gear pump

Output

Stage 1	65 l/min at 250 bar
Stage 2	75 l/min at 220 bar
Stage 3	80 l/min at 200 bar
Stage 4	90 l/min at 180 bar

Electrical equipment

Voltage	380/400/460/575 V
Frequency	50/60 Hz
Current consumption (400 V / 50 Hz)	60 A
2 secondary connections, 230 V / 50 Hz / 10 A (400 V / 50 Hz)	

Dimensions & Weight

Length	820 mm
Width	560 mm
Height	1 260 mm
Weight	238 kg

System & Accessories

Drive unit PPH40RR

10983400*	Drive unit PPH40RR / 380–420 V / 50 Hz / freq. 434 MHz
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975672	Hose package 2 pieces 8 m FF (feed)
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976207	Hose package 3 pieces 8 m FD
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Accessories

973074	El.-plug CEE 63/5 pol.
--------	------------------------

* Different voltage and frequency types are available upon request.



TYROLIT

TYROLIT
WORK WEAR

TYROLIT

Free hand

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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



Material

Universal building materials	Plastic	Concrete	Hard stone	Tiles, ceramic materials	Soft stone, marble	Asphalt	Abrasive materials	Cast iron	Steel	Composites
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★★★ PREMIUM **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	Stock item	
	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	•	

★★★ PREMIUM **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	Stock item	
	C73W	34430790	115×2.4×22.23	10	•	
		34656408	115x2.4xM14	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	230x2,6xM14	12	•	

All articles marked with a dot are stock items.




	Shape	Type number	Dimension	Segment height	Stock item
	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



- | | |
|--|---|
| <p>Application:</p> <ul style="list-style-type: none"> + For machining concrete, cellular concrete, natural stone, roof tiles, clay bricks, masonry and hard materials + Suitable for all common angle grinders <p>We recommend:</p> <ul style="list-style-type: none"> + For fast and clean concrete cutting | <p>Features:</p> <ul style="list-style-type: none"> + 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	Stock item
	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	•

All articles marked with a dot are stock items.

★★★ PREMIUM **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	Stock item
	C3G	474771	230 × 2.6 × 22.23	9	•

★★★ PREMIUM **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	Stock item
	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	•

★★ STANDARD 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	Stock item	
	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	•	

★★ STANDARD 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	Stock item	
	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	•	

All articles marked with a dot are stock items.

★
BASIC

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	Stock item
	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	•



All articles marked with a dot are stock items.



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	Stock item
	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	Stock item
	C6R	103283	230 × 2.4 × 22.23	9	•

All articles marked with a dot are stock items.

★★
STANDARD

Roofer's cutting wheel for all common roofing materials



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

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

★★★
PREMIUM

DCC dry cutting saw blades for concrete




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

	Shape	Type number	Dimension	Segment height	Stock item
	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	•



All articles marked with a dot are stock items.



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	Stock item
	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	Stock item
	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	•
		34606141	400×3,2×25,4	10	•

All articles marked with a dot are stock items.



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	Stock item
	C3W	484994	300 x 2.6 x 20	10	•
		484996	300 x 2.6 x 22.23	10	
		484999	300 x 2.6 x 25.4	10	•
		485001	350 x 3 x 20	10	•
		485003	350 x 3 x 22.23	10	•
		485004	400 x 3.2 x 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	Stock item
	C73W	34470453	115 x 2.4 x 22.23	10	
		34470454	125 x 2.4 x 22.23	10	•
		34470455	150 x 2.6 x 22.23	12	
		34470456	180 x 2.6 x 22.23	12	
		34470457	230 x 2.6 x 22.23	12	•
	C73SW	34472010	300 x 2.6 x 20	10	•
		34472041	300 x 2.6 x 22.23	10	
		34472044	300 x 2.6 x 25.4	10	
		34472046	350 x 3.2 x 20	10	•
		34472061	350 x 3.2 x 22.23	10	
		34472008	350 x 3.2 x 25.4	10	•
		34486088	400 x 3.2 x 20	10	•
		34474151	400 x 3.2 x 25.4	10	•

Protective segments against undercutting protect the steel core

All articles marked with a dot are stock items.



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	Stock item
 <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	Stock item
	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	Stock item
	FRSU	563873	115 x 7.2 x 22.23	7	•
		535829	125 x 7.2 x 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	Stock item
	C3W	34468872	230 x 2.4 x 22.23	14	•
		34577831	230 x 2.4 x M14	14	•
	C73W	34435150	300 x 2.6 x 20	14	•
		34462092	300 x 2.6 x 25.4	14	•
		34435151	350 x 3.2 x 20	14	•
		34462093	350 x 3.2 x 25.4	14	•
		34435152	400 x 3.2 x 20	14	•
		34462094	400 x 3.2 x 25.4	14	•





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	Stock item
	C73W	34475858	115 × 2.4 × 22.23	10	
		34475856	125 × 2.4 × 22.23	10	•
		34501412	125 × 2.4 × M14	10	•



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	Stock item
	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	Stock item	
	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	Stock item	
	SP1	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	Stock item
	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	Stock item
	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	Stock item
	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	Stock item
	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	Stock item	
	SP6	662791	55 × 25 × 320	•
		34574956	320 × 55 × 320	•



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


★★★
PREMIUM

DCCI Combi cutting and chamfering disc

for plastic tubes



<p>Application:</p> <ul style="list-style-type: none"> + For machining PVC + Suitable for all common angle grinders <p>We recommend:</p> <ul style="list-style-type: none"> + Also suitable for rubber, composites and carbon fibres 	<p>Features:</p> <ul style="list-style-type: none"> + 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	Stock item
	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	Stock item
	UC3	34551885	115 x 2.8 x 22.23	3	•
		34551886	125 x 3 x 22.23	3	•
		34551884	230 x 3 x 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	Stock item
	UC3	34638813	115 x 1.3 x 22.23	3	DC ALL FAST CUT	•
		34503209	115 x 2.8 x 22.23	3	DC ALL	•
		34638814	125 x 1.3 x 22.23	3	DC ALL FAST CUT	•
		34502746	125 x 3.0 x 22.23	3	DC ALL	•
		34503208	230 x 3.0 x 22.23	3	DC ALL	•
	UC3	34589656	300 x 3.9 x 20	3	DC ALL RESCUE	•
		34589657	300 x 3.9 x 25.4	3	DC ALL RESCUE	•
		34589658	350 x 4.1 x 20	3	DC ALL RESCUE	•
		34589659	350 x 4.1 x 25.4	3	DC ALL RESCUE	•
		34589660	400 x 4.2 x 20	3	DC ALL RESCUE	•
		34589661	400 x 4.2 x 25.4	3	DC ALL RESCUE	•

All articles marked with a dot are stock items.



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	Stock item	
	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

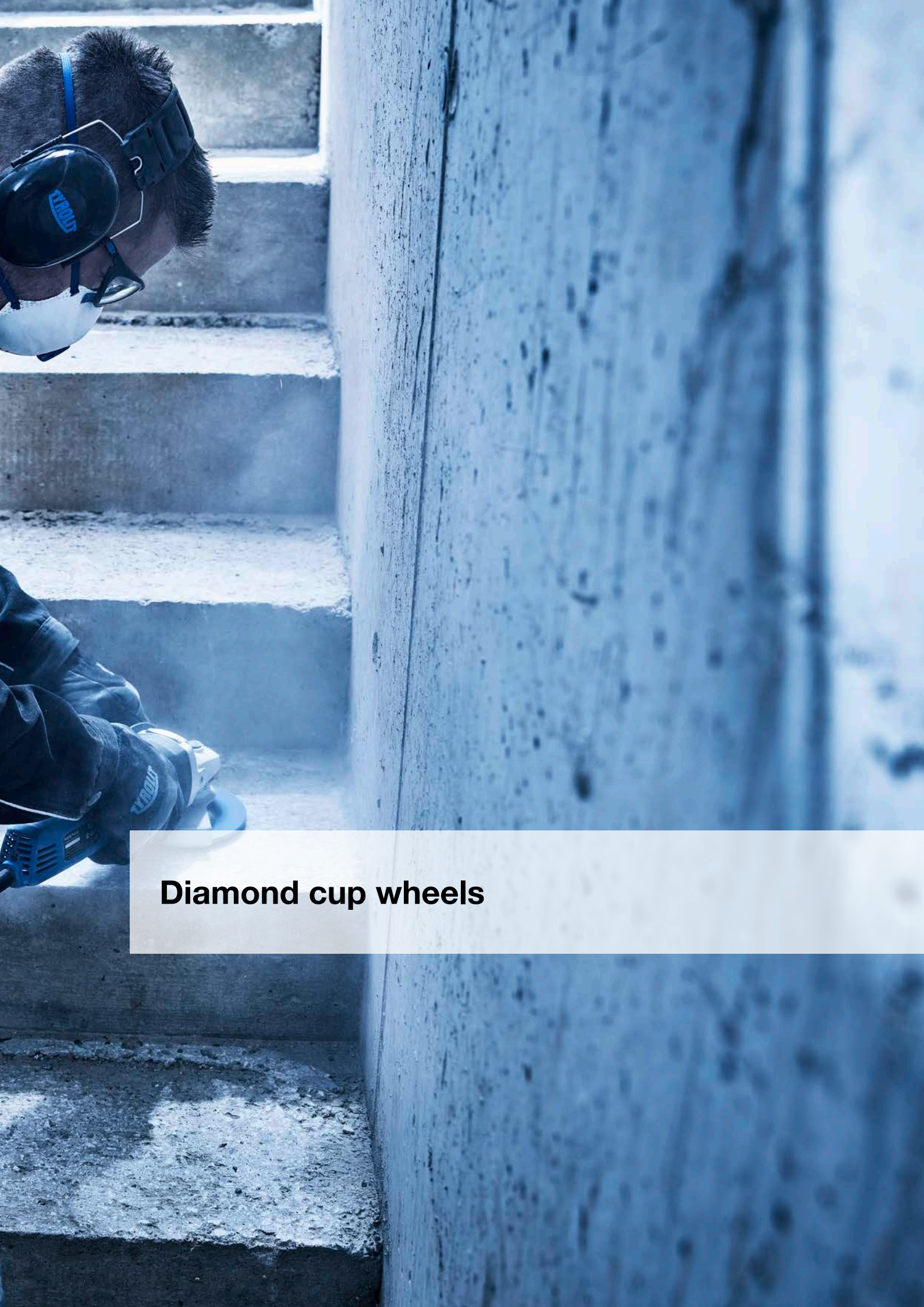
Features:

- + 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	Stock item
	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	•

All articles marked with a dot are stock items.





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



Application:

- + Machinable materials: concrete, natural stone and general building materials

Features:

- + Very fast working thanks to turbo layer
- + Very aggressive segments with W shape
- + Very high removal rate

	Shape	Type number	Dimension	Segment height	Stock item
		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



Application:

- + Machinable materials: concrete, natural stone and general building materials

Features:

- + Aggressive and fast working thanks to turbo layer
- + High removal rate

	Shape	Type number	Dimension	Segment height	Stock item
		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



Application:

- + Machinable materials: concrete, natural stone and general building materials

Features:

- + Aggressive and fast working
- + With PU foam coating for quiet grinding and shaping of corners and edges.
- + High removal rate

	Shape	Type number	Dimension	Segment height	Stock item
		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	•

All articles marked with a dot are stock items.

★★
STANDARD

DGU Diamond cup wheels



for universal building materials | Single row

**Application:**

- + Machinable materials: concrete, natural stone and general building materials

Features:

- + Single-row, aggressive grinding disc for 100 mm angle grinders
- + Reducing ring from 22.23 mm to 16 mm included
- + High removal rate

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

★★
STANDARD

DGU Diamond cup wheels



for universal building materials | Double row

**Application:**

- + Machinable materials: concrete, natural stone and general building materials
- + Ideal for grinding along walls

Features:

- + Aggressive and fast working
- + Long service life due to double row coating
- + High removal rate

	Shape	Type number	Dimension	Segment height	Stock item
	 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	•

★★
STANDARD

DGU-FAST CUT Diamond cup wheels



for universal building materials | L-Segment

**Application:**

- + Machinable materials: concrete, natural stone and general building materials

Features:

- + Very aggressive and fast working
- + Very good suction thanks to larger openings in the grinding disc
- + Very high removal rate

	Shape	Type number	Dimension	Segment height	Stock item
	 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



Application:

- + For removing glue residues, plastic or resin based coatings (e.g. epoxy resin, acrylic, etc.), 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.

Features:

- + Very aggressive power on tough and very hard materials
- + Support segments for a more even grinding pattern and smoother operation
- + Very long service life

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



DGU-PCD Diamond cup wheel
for coatings and glue residues



Application:

- + For removing glue residues, plastic or resin based coatings (e.g. epoxy resin, acrylic, etc.), 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.

Features:

- + Extremely aggressive power on tough and very hard materials
- + Extremely aggressive and deeper removal due to lack of support segments
- + Very long service life

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

All articles marked with a dot are stock items.





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



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



Application:


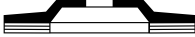
- + For the machining of porcelain stoneware, tiles, ceramics, granite, marble, natural stone, artificial stone, concrete and glass
- + Ideal for grinding, chamfering, leveling, mitring and smoothing edges and surfaces
- + Suitable for all common angle grinders

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	Stock item	
 	28N	34673968	115 × 22.23	DGT-DC60	•
		34673969	115 × 22.23	DGT-DC120	•
		34673970	115 × 22.23	DGT-DC200	•
		34671508	125 × 22.23	DGT-DC60	•
		34673966	125 × 22.23	DGT-DC120	•
		34673967	125 × 22.23	DGT-DC200	•



PREMIUM 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	Stock item	
 	41	34597624	115 × 1 × 22.23	CA60Q-BFP	15	•
		34597625	115 × 1.3 × 22.23	CA46Q-BFP	15	
		34597626	115 × 1.6 × 22.23	CA46Q-BFP	15	•
		34597627	125 × 1 × 22.23	CA60Q-BFP	15	
		34597628	125 × 1.3 × 22.23	CA46Q-BFP	15	•
		34597629	125 × 1.6 × 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	Stock item	
	41	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	Stock item	
	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


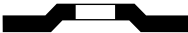


Application:

- + 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	Stock item	
 	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:


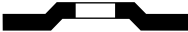
- + For demanding applications on different steel and stainless steel grades

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	Stock item	
 	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:


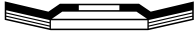
- + For demanding grinding applications on different steel and stainless steel grades
- + For welding seam finishing as well as edge and surface grinding

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	Stock item	
		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:


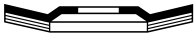
- + For grinding applications on different steel and stainless steel grades

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 new	Type number old	Dimension	Specification	PU	Stock item	
 	27A	34656854	34318364	115 × 22.23	ZA40-325	10	•
	34656855	34318365	115 × 22.23	ZA60-325	10	•	
	34656856	34318366	115 × 22.23	ZA80-325	10	•	
	34656857	34318368	115 × 22.23	ZA120-325	10	•	
	34659314	34318369	125 × 22.23	ZA40-325	10	•	
	34659315	34318370	125 × 22.23	ZA60-325	10	•	
	34659316	34318391	125 × 22.23	ZA80-325	10	•	
	34659317	34318392	125 × 22.23	ZA120-325	10	•	
	34659318	34318393	150 × 22.23	ZA40-325	10	•	
	34659319	34318394	150 × 22.23	ZA60-325	10	•	
	34659320	34318395	150 × 22.23	ZA80-325	10	•	
	34659341	34318396	150 × 22.23	ZA120-325	10	•	
	34659342	34318398	178 × 22.23	ZA40-325	10	•	
	34659343	34318400	178 × 22.23	ZA60-325	10	•	
	34659344	34318533	178 × 22.23	ZA80-325	10	•	
	34659345	34318534	178 × 22.23	ZA120-325	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	Stock item	
 	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	Stock item
		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	Stock item
		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:



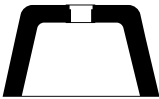
- + For demanding applications on stone
- + For grinding imperfections on visible concrete surfaces, bevelling and pre-grinding artificial stone and patio flags as well as surface grinding on marble, slate and granite

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	Stock item
 	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


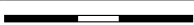


Application:

- + 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	Stock item
 	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 •

All articles marked with a dot are stock items.

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

Wall chaser	HCE150
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- and ring sawing



Hand- and ring 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. Tyrolit ring saw blades

convince with quick and simple handling and clean cutting edges. The outstanding cutting performance remains constant over the whole blade

lifetime. The range of Tyrolit products covers all common applications and machines (electrical, hydraulic, petrol driven).

Application recommendation

Operation only for wet cutting



Performance Level	Specification	Colour code	Concrete	Pages
★★★ PREMIUM	HSX-FC TGD®	●	●	284
	HSL TGD®	●	●	284
	RSL	●	●	284
	RSL-C	●	●	285
	RSL-FC	●	●	286
	RSM	●	●	287
	RSM TGD®	●	●	287
	RSM-FC TGD®	●	●	288
★★ STANDARD	HSL-FC	●	●	284

Low Power / for hard, non-abrasive materials	●	Medium Power / for soft, abrasive materials	●	High Power / for hard, abrasive materials	●
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Holes for Tyrolit machines HRE410 + Weka: 320 mm | HRE400: 326.78 mm
 Holes for Husqvarna machines: 288 mm; 337.9 mm




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

Application:

- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths
- + Use on reinforced to heavily reinforced concrete with wall thicknesses of up to 150 mm
- + Use with petrol-powered, electric or hydraulic cut-off saws

Features:

- + Cutting performance is paramount for optimum machining of various materials; higher degree of self-shaving
- + Designed for more powerful HF hand saws
- + Long service life

	Shape	Type number	Dimension	Segment height	Details	Stock item
	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   

Application:

- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 150 mm
- + Use with petrol-powered, electric or hydraulic cut-off saws

Features:

- + Cutting performance is paramount for optimum machining of various materials; higher degree of self-shaving
- + Thin segment design
- + Ideally suited for soft and hard materials

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


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

Application:

- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 150 mm
- + Use with petrol-powered, electric or hydraulic cut-off saws

Features:

- + Cutting performance is paramount for optimum machining of various materials; higher degree of self-shaving
- + Little effort required for cutting
- + Ideally suited for soft and hard materials

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

 = low  = medium

All articles marked with a dot are stock items.



RSL Ring saw blade for concrete | Ø 406 mm / 506 mm



Application:


- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 300 mm.
- + Perfectly matched to Tyrolit Hydrostress machines

We recommend:

- + Low power: for hard, non-abrasive materials
- + HRE400: drill hole 326.78 mm
- + The wear blade supplied with the ring saw blade should also be replaced each time the blade is changed.

Features:

- + Cutting performance is paramount for optimum machining of various materials and a higher degree of self-sharpening.
- + For fast cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	738471	406 × 3.9 × 326.78	10	HRE400	•



RSL Ring saw blade for concrete | Ø 366 mm



Application:


- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 260 mm.
- + For use with petrol-powered, electric or hydraulic ring saw machines.

We recommend:

- + Low power: for hard, non-abrasive materials
- + Husqvarna: Drill hole 288 mm
- + Each time the blade is changed, the drive wheel supplied with the ring saw blade should also be replaced.

Features:

- + Cutting performance is paramount for optimum machining of various materials and a higher degree of self-sharpening.
- + For more free cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	739886	366 × 4.2 × 288	10	Husqvarna	•



RSL-C Ring saw blade for concrete | Ø 406 mm



Application:

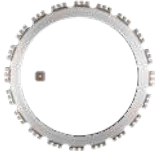
- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced or non-reinforced concrete with wall thicknesses of up to 300 mm (Ø 406 mm).
- + Perfectly matched to Tyrolit Hydrostress machines

We recommend:

- + Low power: for hard, non-abrasive materials
- + The wear plate respectively drive wheel supplied with the ring saw blade should also be replaced each time the blade is changed.

Features:

- + Cutting performance is paramount for optimum machining of various materials and a higher degree of self-sharpening.
- + For more fast and free cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	34506869	406 × 4.2 × 320	10	HRE410 + WEKA	•
		34058668	406 × 3.9 × 326.78	10	HRE400	•



RSL-FAST CUT Ring saw blade for concrete | Ø 306 mm / Ø 406 mm



Application:

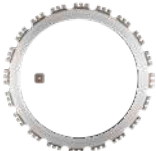
- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 260 mm.
- + For use with petrol-powered, electric or hydraulic ring saw machines.

We recommend:

- + Low power: for hard, non-abrasive materials
- + The wear plate respectively drive wheel supplied with the ring saw blade should also be replaced each time the blade is changed.

Features:

- + Quick and easy handling
- + For fast cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	34438701	406 × 3.9 × 320	10	HRE410 + WEKA	•
		34258692	406 × 3.9 × 326.78	10	HRE400	•

● = low

● = medium



RSM Ring saw blade
for concrete | Ø 366 mm



Application:


- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete with wall thicknesses of up to 260 mm.
- + For use with petrol-powered, electric or hydraulic ring saw machines.

We recommend:

- + Medium power: for soft, abrasive materials
- + Husqvarna: Drill hole 288 mm
- + Each time the blade is changed, the drive wheel supplied with the ring saw blade should also be replaced.

Features:

- + Quick and easy handling
- + For fast cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	739887	366 × 4.2 × 288	10	Husqvarna	•



RSM Ring saw blades
for concrete | Ø 425 mm | in TGD® Technology



Application:


- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete.
- + For Husqvarna K7000 ring saws

We recommend:

- + Medium power: for soft, abrasive materials
- + Husqvarna K7000: Drill hole 337.9 mm
- + The drive wheel should also be replaced each time the blade is changed.

Features:

- + Quick and easy handling
- + For fast cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Design	Stock item
 <i>Symbol image</i>	C1W	34556651	425 × 3.9 × 337.9	10	Husqvarna	RSM-FAST CUT	
		34556652	425 × 3.9 × 337.9	10	Husqvarna	RSM	•



RSM-FAST CUT Ring saw blades

for concrete | Ø 406 mm | in TGD® Technology



Application:


- + Particularly suitable for making openings and breakthroughs in walls and ceilings with shallow depths. Also suitable as a replacement for corner drilling in wall saw cuts.
- + Use on reinforced concrete or non-reinforced concrete.
- + For use with petrol-powered, electric or hydraulic ring saw machines.

We recommend:

- + Medium power: for soft, abrasive materials
- + HRE410 + WEKA: drill hole 320 mm
- + The drive wheel should also be replaced each time the blade is changed.

Features:

- + Quick and easy handling
- + For fast cutting
- + The impressive cutting performance is maintained throughout the entire service life of the blade

	Shape	Type number	Dimension	Segment height	Holes	Stock item
	C1W	34635929	406 x 3.9 x 320	10	HRE410	•



★★★
PREMIUM

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

Saw blade

Max. cutting depth	150 mm
Max. saw blade Ø	405 mm
Saw blade uptake	25.4 mm

Drive

Drive / motor	Electric
Voltage / frequency	230 V / 50–60 Hz
Power	3.2 kW

Dimensions & Weight

Length	735 mm
Width	259 mm
Height	365 mm
Weight (without blade)	9.1 kg

System & Accessories

Hand saw HBE400

10991700	Hand saw HBE400 / 230 V
11001800	Hand saw HBE400 / 110 V

Accessories

10998741	Flush cutting flange (Hole pattern 7M243)
11000583	Flush cutting blade guard

Tool recommendation

34462050	PREMIUM DCU TGD® Dry cutting saw blade
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★★★
PREMIUM

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



Practical wooden case as an accessory

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 / WSE1621 MKII 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
11008500	Electric control WSE1621 MKII 400V
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
 ★★★ PREMIUM	TSU	•					
	TSU-SILENT	•					
	TSH		•				
	TSH-SILENT		•				
	F40				•		
	TSS10			•			
	TSM					•	
	DCP						•
	DCT						•

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



Application:

- + For working with aerated concrete, sand-lime brick, pumice stone, bricks
- + Developed for perfect interaction with Tyrolit Hydrostress machines

Features:

- + Excellent cutting performance thanks to self-sharpening system
- + Optimal cooling and ideal chip removal ensure maximum service life and durability

We recommend:

- + Process large cross-sections in several steps – working at high speeds

	Shape	Type number	Dimension	Segment height	Stock item	
		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		
		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



Application:

- + For working with aerated concrete, sand-lime brick, pumice stone, bricks
- + Developed for perfect interaction with Tyrolit Hydrostress machines
- + Reduction rings 35 - 30 mm and 30 - 25.4 mm are included for diameters up to 550 mm. A reduction ring 60 - 55 mm is supplied for diameters from 625 mm

We recommend:

- + Machining large cross-sections in several steps

Features:

- + Noise reduction by approx. 50% (~10 dB)
- + Excellent cutting performance thanks to self-sharpening system
- + Maximum cost-effectiveness and unrivalled results thanks to maximum cutting performance and maximum service life

	Shape	Type number	Dimension	Segment height	Stock item	
		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



Application:



- + For working on granite, gneiss, hard sand-lime brick, hard brick, paving slabs, porphyry and quartzite
- + Developed for perfect interaction with Tyrolit Hydrostress machines
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

We recommend:

- + Process large cross-sections in several steps – working at high speeds.

Features:

- + Excellent cutting performance thanks to self-sharpening system
- + Optimal cooling and ideal chip removal ensure maximum service life and durability
- + Maximum cost-effectiveness and unrivalled results thanks to maximum cutting performance and maximum service life

	Shape	Type number	Dimension	Segment height	Stock item
		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



Application:



- + For working on granite, gneiss, hard sand-lime brick, hard brick, paving slabs, porphyry and quartzite
- + Developed for perfect interaction with Tyrolit Hydrostress machines
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

We recommend:

- + Process large cross-sections in several steps – working at high speeds.

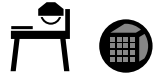
Features:

- + Noise reduction by approx. 50% (~10 dB)
- + Excellent cutting performance thanks to self-sharpening system
- + Maximum cost-effectiveness and unrivalled results thanks to maximum cutting performance and maximum service life

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



F40 Table saw blade for abrasive materials



Application:



- + For working on abrasive sand-lime brick, clinker, stove tiles, but especially designed for cutting refractory products
- + C2 shape with close pitch and narrow slots for clean surfaces and cutting edges

We recommend:

- + The selection of the depth of cut and the feed rate is very important for optimum performance

Features:

- + Excellent cutting performance thanks to self-sharpening system
- + Optimal cooling and ideal chip removal ensure maximum service life and durability
- + Highest cost-effectiveness thanks to maximum cutting performance and optimised service life

	Shape	Type number	Dimension	Segment height	Stock item	
		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



Application:



- + For working with hard-fired clinker, stradalite and terrazzo
- + C1 shape with wide pitch, wide slots (very aggressive and easy to cut)
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

We recommend:

- + The selection of the depth of cut and the feed rate is very important for optimum performance

Features:

- + Excellent cutting performance thanks to self-sharpening system
- + Optimal cooling and ideal chip removal ensure maximum service life and durability
- + Highest cost-effectiveness thanks to maximum cutting performance and optimised service life

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



TSM Table saw blade for marble





Application:

- + For processing soft stone such as marble or limestone, but also suitable for composites, GRP and carbon fibre
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

Features:

- + Enables precise cutting edges thanks to fine diamond grain
- + Maximum service life thanks to ideal grain bonding to the base plate
- + Robust, high-quality steel cores ensure stability and noticeably smooth running

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

★★★ PREMIUM **DCP Table saw blade**
for tiles and fine stoneware



Application:



- + For working with porcelain stoneware, ceramic tiles, porcelain, kitchen worktops
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

We recommend:

- + SP6 sharpening plate especially for tile saws. Continuous sharpening increases the cutting ability and precision of the saw

Features:

- + Clean cut edges, straight and precise cuts thanks to the closed cutting edge and precise flatness and concentricity
- + Maximum cost-effectiveness and unrivalled results thanks to maximum cutting performance and maximum service life
- + Large diamond grains enable high feed rates, especially on hard materials

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

★★★ PREMIUM **DCT Table saw blade**
for tiles and ceramic materials



Application:

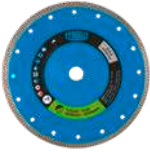

- + For working on ceramic tiles, porcelain and terrazzo slabs
- + Reduction bushes 35 - 30 mm and 30 - 25.4 mm are included

We recommend:

- + SP6 sharpening plate especially for tile saws. Continuous sharpening increases the cutting ability and precision of the saw


Features:

- + Clean cut edges, straight and precise cuts thanks to the closed cutting edge and precise flatness and concentricity
- + Maximum cost-effectiveness and unrivalled results thanks to maximum cutting performance and maximum service life
- + Fine diamond grains for outstanding results and a better surface finish

	Shape	Type number	Dimension	Segment height	Stock item	
		1A1R	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	Stock item	
	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
Saw blade	
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

★★★
PREMIUM

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

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

Saw blade

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

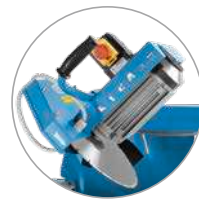
Tool recommendation

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

★★
STANDARD

Masonry saw TBE400

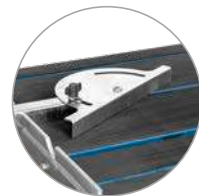
Cutting depth up to 125 mm



Swivelling saw head enables 45° mitre cuts



Folding feet, transport wheels and carrying handles ensure total manoeuvrability at the location of use



Angle stop provided for cuts of 30° to 90°

The TBE400 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. Transport wheels and folding table feet facilitate transport and position at the location of use.

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
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★★★
PREMIUM

Masonry saw TME700

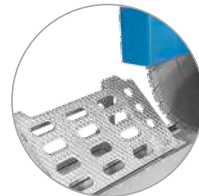
Cutting depth up to 270 mm



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 (swiveling 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)
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Tool recommendation

34171019	PREMIUM TSU Table saw blade
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Masonry saw TME1000

Cutting depth up to 380 mm



Large cutting depths to 380 mm possible (with saw blade \varnothing 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)
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Tool recommendation

34171031	PREMIUM TSU Table saw blade
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★★★
PREMIUM

Cellular concrete band saw TBS510

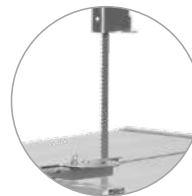
Cutting height up to 510 mm



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	165 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





Further applications

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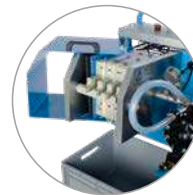
★★★
PREMIUM

Filter press SPP400

Cake volume 2.4 litres



Clear, user-friendly control panel



Filter unit



Suction pump

The SPP400 filter press was specially developed for small construction sites and, due to its compact design, is the most mobile and easiest to use filter press on the market. Thanks to its low weight, patented

air cushion technology and trolley chassis, one-man operation is no problem. With this filter press, Tyrolit enables concrete and stone slurry to be disposed of in an expert and environmentally friendly

way. The recycled water can be discharged into the sewers or reused without problem, and the residues (cakes) in the filter can be disposed of at low cost as building rubble.

System & Accessories

Technical data

Filter press SPP400	
Brief description	Mobile solution for temporary construction sites
Operation	Compressed air
Required pressure	250 l / 8 bar
Recycling capacity	400–600 l/hr.
Cake volume	2.4 l

Dimensions and weight

Length	600 mm
Width	630 mm
Height	950 mm
Weight	79 kg

Recommended compressor

Capacity	340 l/min
Supply pressure	8 bar
Revolutions	1450 rpm

Other versions

Filter press SPP600

Brief description	For continuous mobile or stationary use on construction sites
Operation	Compressed air
Required pressure	250 l / 6 bar
Recycling capacity	400–600 l/hr.
Cake volume	6.4 l

Dimensions and weight

Length	1 200 mm
Width	800 mm
Height	1 620 mm
Weight	320 kg

Recommended compressor

Capacity	340 l/min
Supply pressure	10 bar
Revolutions	1 450 rpm

Other versions

Filter press SPP1200	
Brief description	High filter capacity for industrial use on large construction sites, in concrete plants and natural stone companies
Operation	Compressed air
Required pressure	500 l / 7 bar
Recycling capacity/hr.	2 000 l/hr. – 160 kg solids
Recycling capacity/cycle	400 l/hr. – 32 kg solids
Cake volume	30 l

Dimensions and weight

Length	1 200 mm
Width	800 mm
Height	1 600 mm
Weight	520 kg

Recommended compressor

Capacity	500 l/min
Supply pressure	8 bar

System & Accessories

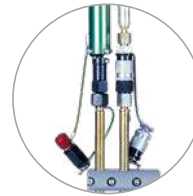
Filter presses

10998274	SPP400 Recycling capacity 400 - 600 litres/hour
10998275	SPP600 Recycling capacity 400 - 600 litres/hour
10998276	SPP1200 Recycling capacity 2000 litres/hour

★★★
PREMIUM

Press tool CP-110/BTH350

Pressing force of 110 and 260 tons



Safety due to special hose connection system



Pressure plates ensure even pressure distribution and pass expansion

Tyrolit pressing tools enable controlled demolition without water, noise, dust or vibrations.

System & Accessories

Technical data

	CP-110	BTH350
Pressing force	108 tons	260 tons
Number of pistons	3	2
Stroke	24 mm	50 mm
Required core bore hole Ø (with pressure plate)	130 mm	200 mm
Required core bore hole Ø (without pressure plate)	110 mm	Not recommended
Weight	15 kg	36 kg
Connecting lines	2 off (short/straight)	2 off (long/curved)
High-pressure connection	Screw version	

System & Accessories

CP-110	
975756	Burster head CP-110 with screw connection
BTH350	
10986983	Burster head BTH350P
Hydraulic hoses	
975604	HP-hose 5 m screwed
975608	Low pressure hose 5 m
Concrete press system accessories	
973886	Male coupling for LP-hose
979401	Cap Ø 20 mm LP-hose
970285	Double fitting for HP-hose
980397	Cup ¼" HP-hose
970301	HP-pipe short straight CP/SP
970303	HP-pipe long straight CP/SP
971383	HP-pipe long bended SP
970271	Pressure plate
978272	Pressure plate CP-110 250 mm

Drive AU

Working pressure up to 2 000 bar



User-friendly thanks to clear inspection and control panel



Accessories: Distributor head for 8 pressing tools



Two separately adjustable outputs for controlled pressing work

Suitable for pressing tools CP110 and BTH350. The high-pressure drive generates a pressing force of up to 2 100 tonnes.

System & Accessories

Technical data

Hydraulics

Press force	0.5 l/min at 2 000 bar
Low pressure	2.4 l/min at 150 bar
Booster pressure	14.4 l/min at 80 bar
Oil tank capacity	13 litres

Motor

Electric motor	Air-cooled
Voltage	200/230/380/400/460 V
Current (400 V / 50 Hz)	10 A
Frequency	50/60 Hz
Output	2.2 kW

Connections

High pressure	2 pcs. (optionally 8 pcs.)
Low pressure	4 pcs. (optionally 8 pcs.)

Dimensions & Weight

Length	750 mm
Width	560 mm
Height	755 mm
Weight	127 kg

System & Accessories

Drive unit AU

975754 *	High pressure drive unit AU 400/50 EU
975761	Tool box

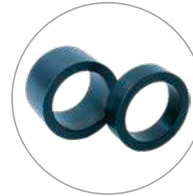
Accessories

974045	4-way HP adaptor unit
960827	2 way inlet connection
970300	Adaptor M24-G $\frac{1}{4}$ " for SP
974053	Return nipple complete CP/SP
974054	Screw nipple complete CP/SP
974050	Screwing set CP/SP

* Different voltage and frequency types are available upon request.

Crusher BZ

For wall thicknesses of 120 to 300 mm



Distance washer
(25 and 50 mm)
for various wall thicknesses



Various pressure head
accessories



Easy and safe operation

The crusher for controlled demolition without water, noise, dust or vibrations. The weight-optimised

high-strength aluminium body can be comfortably operated by 2 persons.

System & Accessories

Technical data

Crusher BZ	
Crushing force	30 tons
Wall thicknesses	120–300 mm

Dimensions & Weight

Length	530 mm
Width	290 mm
Height	910 mm
Weight	47 kg

System & Accessories

Crusher BZ	
975197	Crusher BZ
975728	Tool box BZ

Accessories

977522	Steel point BZ
974204	Pressure head BZ for thickness <150 mm
970632	Distance washer 50 mm
970630	Distance washer 25 mm

Drive BW-2

Working pressure up to 750 bar



Easy transport due to detachable motor



Suitable for crusher BZ. The small, handy and lightweight drive with removable main motor.

Technical data

Hydraulics	
Hydraulic power	7.4 l/min at 750 bar
Oil cooling	Oil/water heat exchanger
Oil tank capacity	6 litres

Motor	
Motor	Water-cooled electric motor
Voltage	200/230/380/400/460 V
Current (400 V)	16 A
Frequency	50/60 Hz
Output	10 kW

Dimensions & Weight

Length	800 mm
Width	510 mm

Height	1,050 mm
Weight with motor	64 kg
Weight without motor	34 kg

System & Accessories

Drive unit BW-2	
975698*	High-pressure drive BW-2 400/50 EU

* Different voltage and frequency types are available upon request.

Digital Asset Management

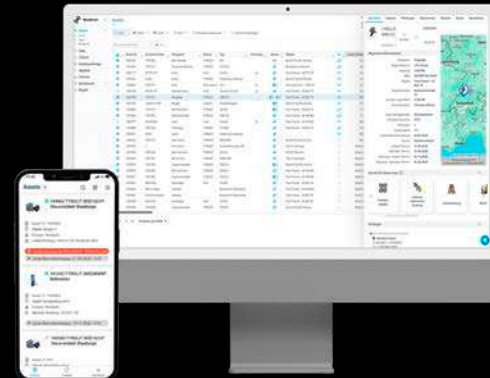
Tyrolit's innovative asset management platform MoveSmart and the respective hardware offer real-time operating and user data for assets and machinery. Thus, MoveSmart makes a significant contribution to increasing efficiency in companies.

In conjunction with the respective MoveSmart hardware and equipment tracking, you get an overview of where and when your equipment is currently being used. At the same time, MoveSmart provides up-to-date service and safety statuses and, thus, enables maintenance planning in advance. This not only avoids asset failures and idle times, but

also increases occupational safety. Moreover, MoveSmart offers vehicle tracking, inventory management for small parts and a detailed project planning in one platform. With MoveSmart, construction sites, maintenance and repairs can be conveniently planned via the web version or mobile phone app.



MoveSmart



Independent from machine manufacturers



Machine availability and asset tracking
Always know which machines are available

Documents and workflows at your fingertips
All relevant documents and workflows at your fingertips

Vehicle tracking
Vehicle tracking and trip recording for your fleet

Inventory management
Inventory management to keep track of your stock

Project planning
Plan your projects and orders quickly, easily and directly with your assets

Maximum flexibility and compatibility for your business

In order to guarantee maximum flexibility and compatibility, we offer three different packages. Each package offers a suitable solution to tackle your specific business requirements:

★ BASIC	★★ STANDARD	★★★ PREMIUM
<p>Asset management</p> <ul style="list-style-type: none"> + Detailed overview of all assets + Maintenance workflows + Document management + Malfunction and damage report + Cost monitoring 	<p>Tracking & Digital forms</p> <ul style="list-style-type: none"> + Basic services + Localisation of all connected assets and vehicles + Digital forms and customisable workflows + Exam handling + Overview of the actual use of assets 	<p>Planning & Order processing</p> <ul style="list-style-type: none"> + Basic and standard services + Project and deployment planning + Overview of all existing projects and assignments + Vehicle tracking and logbook + Inventory management for small parts and consumables

MoveSmart Hardware

With the appropriate hardware, both assets of Tyrolit as well as assets of other manufacturers can be integrated into MoveSmart. Depending on the software package and applications, we offer the

appropriate hardware: From adhesive QR codes, which can be used to identify the equipment, to trackers that transfer machine data and are able to read out locations.

On request, we also offer the following services:

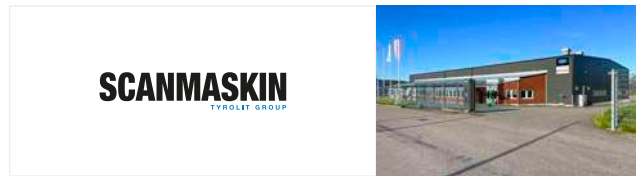
- + On-site analysis
- + Data integration
- + Attaching hardware to equipment
- + Additional trainings
- + Implementation of customer-specific user requirements
- + Creation of customer-specific reports
- + API-integration



Floor preparation and grinding

Tyrolit is a comprehensive system provider in the field of floor preparation and grinding, combining the expertise of three specialists under one roof. This enables us to respond to your individual needs:

- + **A comprehensive product portfolio** for all key floor preparation tasks: 50+ machine types, 300+ tool variants and accessories.
- + **Three centres of excellence** (Austria, Germany and Sweden) with decades of expertise and experienced application engineers in your area.
- + **Service centres** throughout Europe with a high level of solution expertise and short downtimes.



Floor preparation and grinding portfolio

We offer the right machines and the perfect tools for efficient work in every area – all from a single source.

	Demolition	Preparation	Grinding & polishing
Machines	Floor scrapers		
	Scarifiers & Shavers		
		Shot blasters	
		Floor grinders	
	Dust extraction systems		
Tools	PCD tools		
	Bush hammer tools		
	Metal-bond grinding tools		
			Metal-bond grinding tools Resin-bond grinding tools Cleaning and polishing tools
Chemicals & impregnation	Comprehensive range		

Grinding & Grooving

Tyrolit offers a professional assortment of machines and tools for grinding the concrete surfaces and provides on-site project management support.

Range of machines

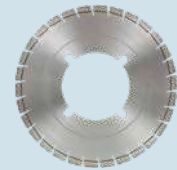
Machines in various power classes are available for the machining of concrete surfaces on airport roads and runways.



Tool range

Excellent results can be achieved in combination with tools that are optimally matched to the application. Depending on the requirements and machine, up to 375 diamond saw blades can be mounted on one shaft.

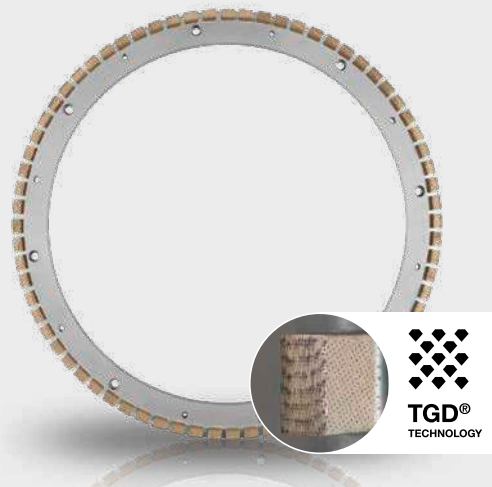
*BGX-C3
diamond saw blade
in TGD® technology*



Brick grinding

New standards in brick grinding:

- + Versions available in different dimensions and for various machines and ring types
- + TGD® technology for productive and accurate grinding
- + Segment size 24 × 15 × 20 mm
- + Pre-sharpened segments for optimum grinding sanding result right from the start
- + LONG LIFE variants available for abrasive bricks and heavy materials



Contact for customised variants: construction@tyrolit.com

Tyrolit Project Services

Special project services at the highest level

Tyrolit is known for reliable diamond technology and premium products. However, we offer much more than merely products for classic areas of application. In addition to renovation solutions, the demolition of bridges and other large-sized structures made from steel and steel-reinforced concrete, the Tyrolit Project Services Team offers competent support even in delicate surroundings, such as nuclear power plants or offshore platforms.



Adaptable product solutions let customers reach their goals efficiently and economically

For special applications in complex projects, the Tyrolit Project Services Team delivers sophisticated solutions that can be adequately adjusted to the customer's requirements. In addition to the classic concrete drilling and cutting equipment, for example, we offer our customers drilling systems for large-scale drilling diameters and depths, curved tracks or pile cutters for separating pipes and pillars. The adaptation of the products is usually fast and straightforward – true to Tyrolit's philosophy to support customers to get their job done as quickly and efficiently as possible.



The professional partner in controlled decommissioning

Tyrolit is an especially strong partner in the controlled decommissioning of nuclear power plants and offshore facilities – the supreme discipline of special construction projects. In such high-stakes operations, not only an extremely professional manner of proceeding, but also a great deal of experience is required, no matter where these projects take place. In the past, Tyrolit has already supported customers all over the globe, for instance with the restoration of water dams in Australia and South America, with underwater-cutting in the Atlantic Ocean, or with the decommissioning of nuclear power plants like the one in Belene (Bulgaria).

The only ATEX-certified wire saw system worldwide comes from Tyrolit

The unique ATEX-certified wire saw system by Tyrolit is mainly used for cutting pipes or other steel structures in working environments where explosion-hazardous gases can escape. Tyrolit is the first supplier worldwide to fulfil the stringent European Union explosion protection directive.

- + Certified for explosion hazardous areas (EX Zone 1, II 2G, IIA c T3)
- + Modular, combinable system, also suitable for the use with already certified drives
- + Robust DWH-S ATEX diamond wire with a very high cutting performance, an outstanding lifetime, noticeable smooth running and a high number of beads
- + Hydraulic SB wire saw with large wire storage (up to 10 m), high power transfer thanks to multiple roller transfer, and hydraulic wire tensioner
- + PPH40RR drive with certified protective cabin
- + For all metals except for titanium
- + Wire speed 10 – max. 18 m/s



Our services for special projects comprise

- + Feasibility studies
- + Planning concepts
- + Principle sketches
- + Customised products for machines & tools
- + Project management
- + Trainings

Find out more at www.tyrolit.com





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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.



Further information and contact details can be found on our website.

Service performance

Tyrolit offers a wide range of services to ensure that machines and tools are always in perfect condition:

- + Preventive inspections: Tyrolit carries out a preventive inspection once a year to ensure the safety and functionality of the machines
- + Certified safety and function checks: all test certificates are documented and only tested Tyrolit spare parts are used.
- + Technical support: the technical support team is available at all times to answer questions and solve problems.
- + Software updates: all software updates are included in the service contracts.

Our service centres at a glance

Whether you require maintenance, repairs or expert advice - our Tyrolit service centres are available at numerous locations. Find the right contact in your region quickly and easily.



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Central contact address for application and technical support:

service.machines@tyrolit.com



Tyrolit offers a range of different contracts customised to individual needs:

★ BASIC

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

★★ STANDARD

- + **Basic service**
- + Tyrolit machine service (material, labour and lubricant)
- + Replacement machine during the service intervals

★★★ PREMIUM

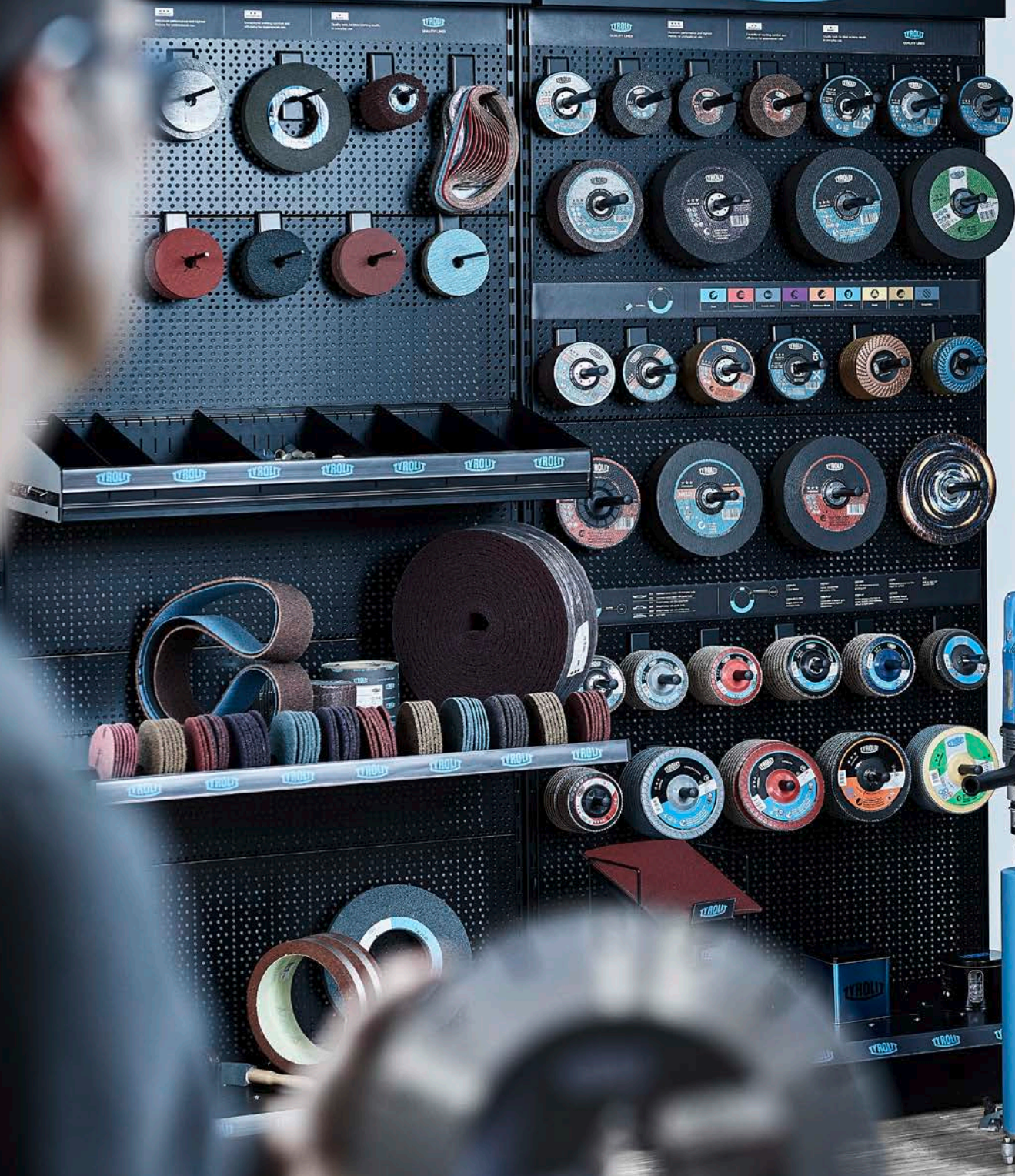
- + **Basic and standard services**
- + Repair services (material, labour and all wear parts)
- + Replacement machine during service and repair work
- + Transport of the machine

- + **Contract term: 4 years**
- + **Payment interval: annually or completely in advance**



TYROLIT

TYROLIT



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 jamed 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 23.

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.

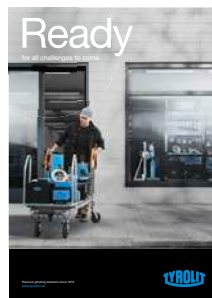
By request we also undertake the planing of your product assortment based on your customers' requirements and advise you on the optimum promotional positioning.



POS



Roll-Up



Poster



Leaflets

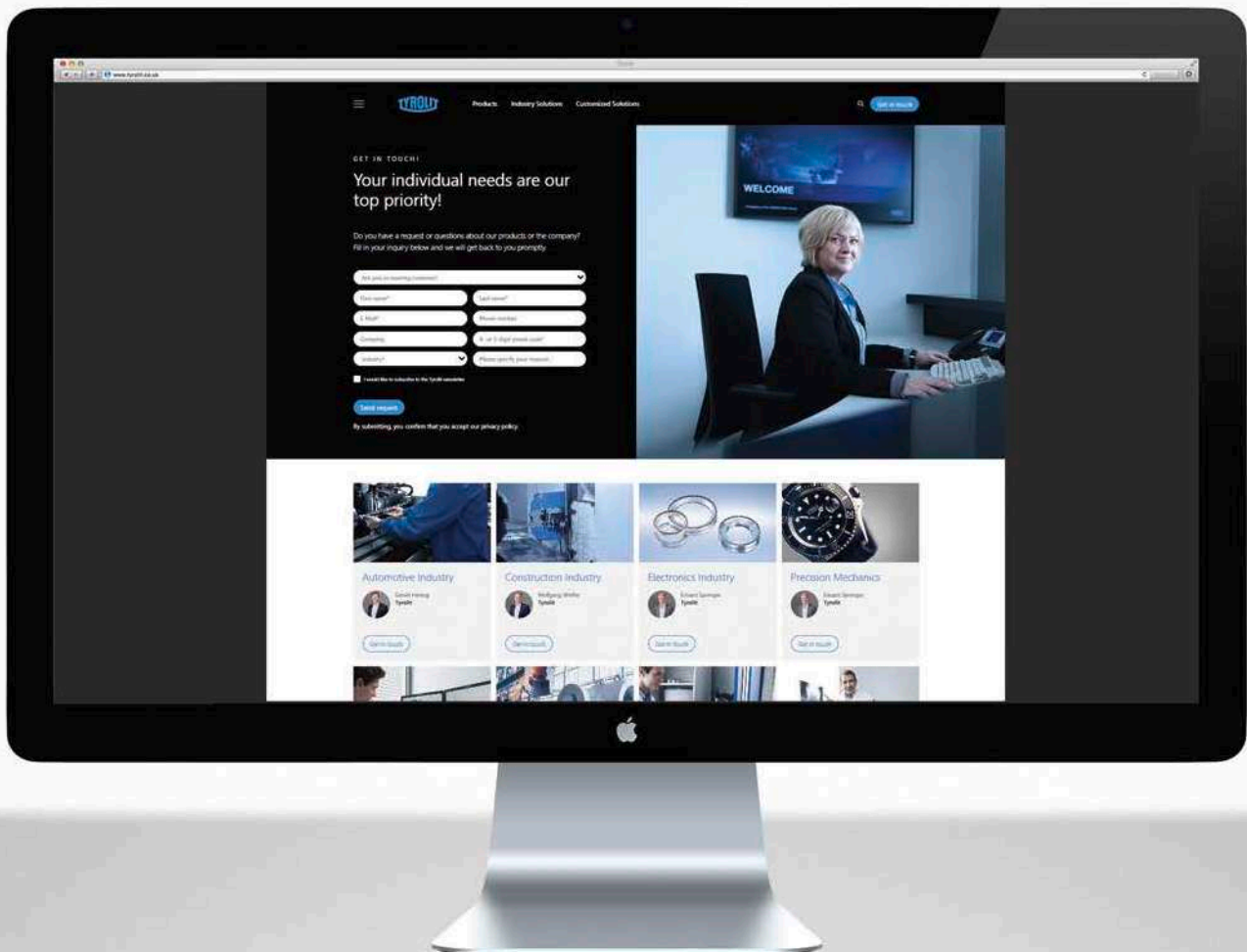


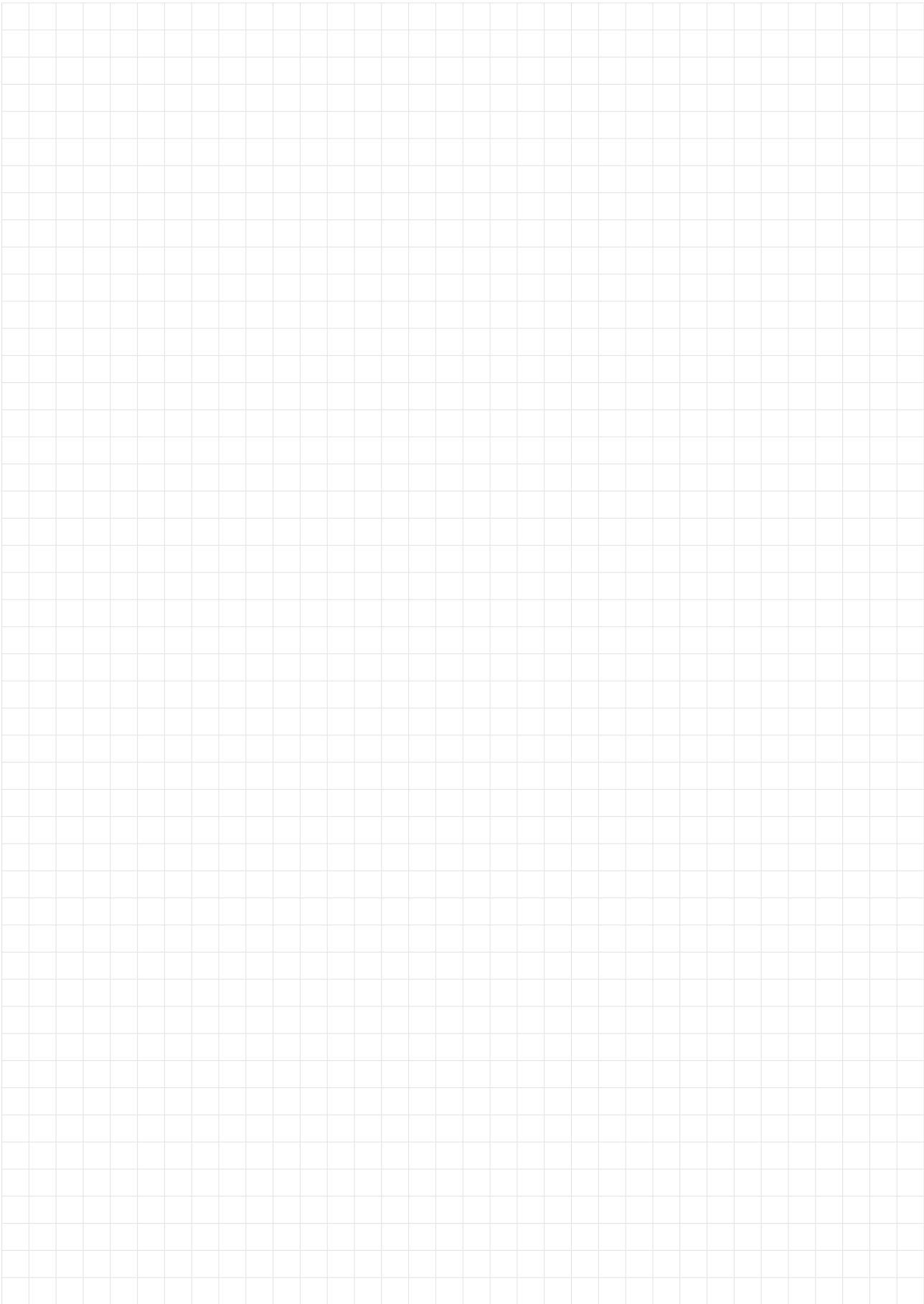
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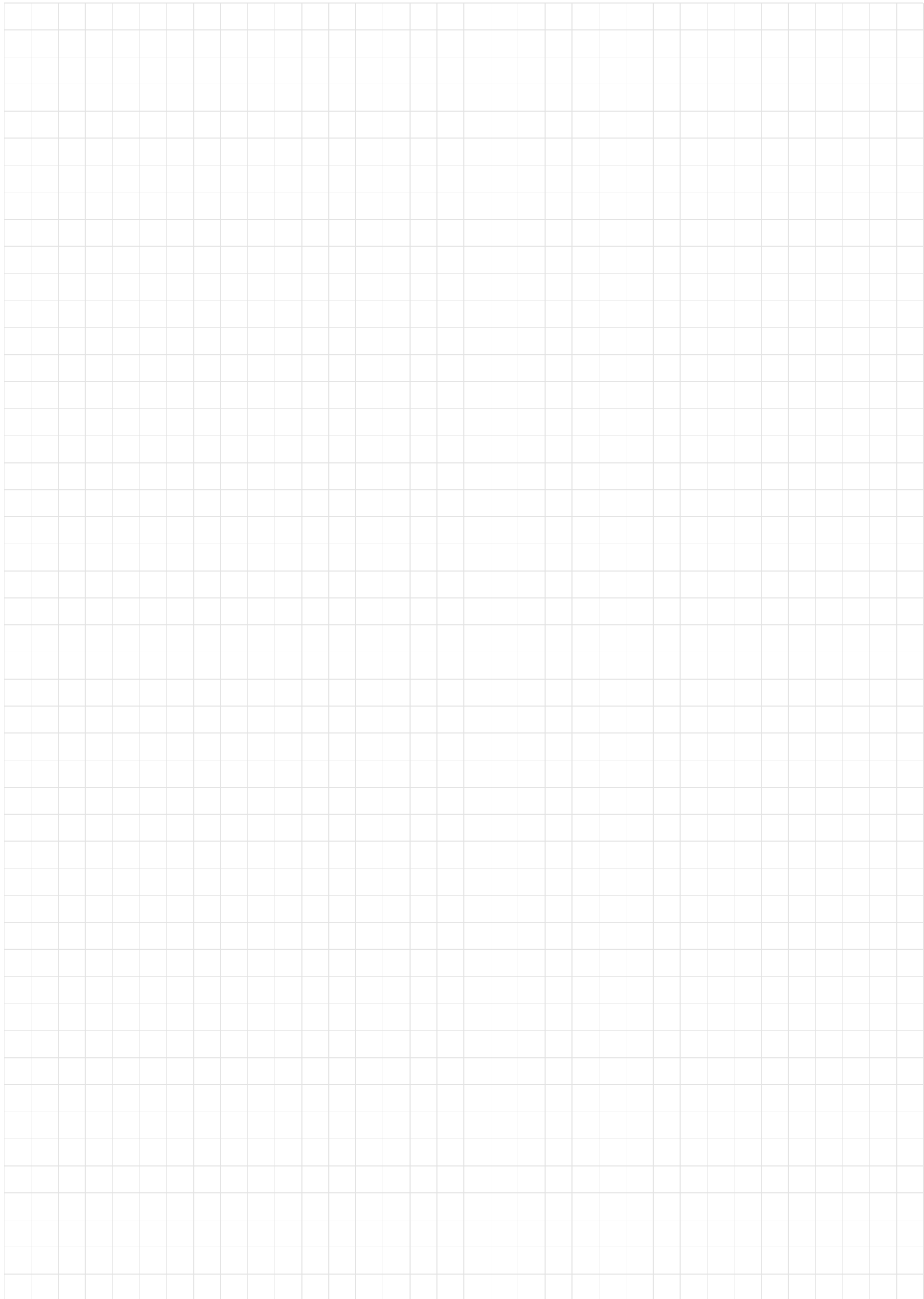
Tyrolit addresses

Find your local representative on our website.

www.tyrolit.com







Catalogue

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A detailed version of our terms and conditions can be found at

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