

EN



# CONSTRUCTION TRADE

Product catalogue

English | 2020

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



# Construction trade Product catalogue



# The TYROLIT Group

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

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

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



TYROLIT headquarters in Schwaz (Austria)

## Facts & Figures



**80,000+**  
products



**29**  
production sites



**4,500+**  
employees worldwide



**37**  
sales locations



**500+**  
worldwide patents

Sales companies in Argentina, Australia, Austria, Belgium, Brazil, Canada, China, Czechia, Denmark, Estonia, Finland, France, Germany, Hungary, India, Indonesia, Italy, the Netherlands, Norway, Poland, Portugal, Russia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, the UAE, the UK and the USA. Distributors in 65 other countries.

# Business units

## METAL INDUSTRIES



### Automotive industry

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



### Steel & Foundry

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



### Precision industries

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



### Industrial trade

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

## CONSTRUCTION



### Construction industry

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



### Trade & Rental

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



### Construction professionals

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



### Project services

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

## QUARTZ INDUSTRIES



### Stone industry

With a wide assortment of diamond tools for the stone industry, we are a leading supplier in all processing steps from mining to final decorative elements.



### Ceramic industry

Our customised diamond tools are used for applications in the ceramic industry – from cutting and squaring to profiling and polishing of ceramic tiles.



### Glass industry

We offer diamond tools for drilling and edge processing of glass that is used to create components for the architectural and automotive industry.

# Leading through true innovation

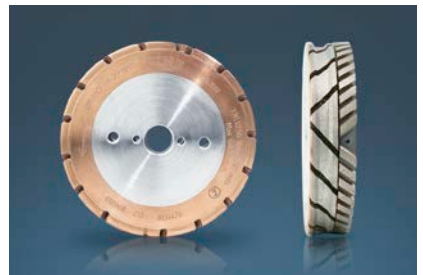
A passion for technology, many years of experience and a strong innovative spirit have been incorporated into the manufacture of outstanding grinding solutions.



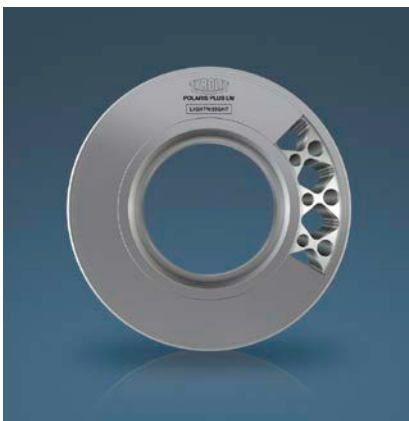
As one of the first abrasives manufacturers to integrate the new **X-Lock** clamping technology into our assortment of grinding discs, we are at the forefront of the angle grinder landscape. One click and it's done.



**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.



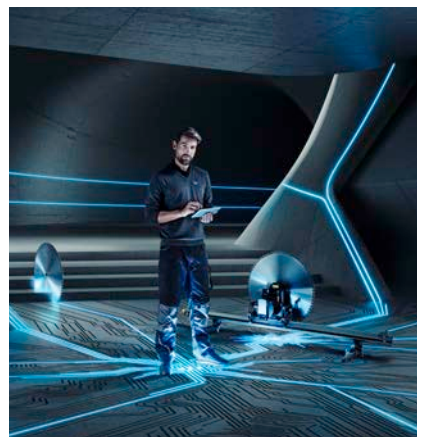
We took a leap forward in laminated glass grinding with our **REVERSE** wheels, simplifying grinding operations, improving yields and the processing quality while equally reducing stress to the tool and the workpiece.



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



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



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

# International production and sales locations

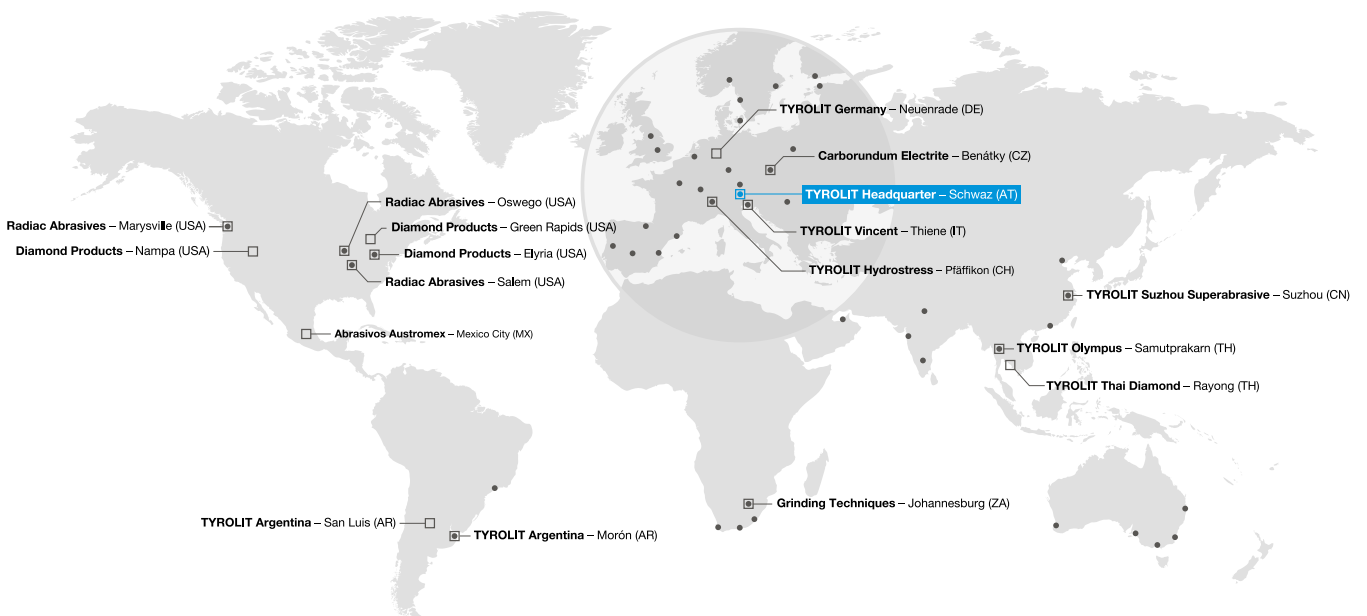
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Suzhou (China)



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

TYROLIT has been one of the leading manufacturers of tools for every professional and application for almost 100 years.

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!

★★★  
**PREMIUM**

★★  
**STANDARD**

★  
**BASIC**

- Maximum cutting ability and stock removal rate
- Above-average lifetime
- The best work results
- Maximum economic efficiency
- Extensive product range – the perfect product for every application
- Use of the most innovative technology and the best raw materials
- Maximum comfort for the user thanks to low vibration and noise levels

- Excellent cutting ability and stock removal rate
- Excellent service life
- Exceptional work results
- High level of economic efficiency
- Large product range – for the most important applications

- Good cutting ability and stock removal rate
- Good service life
- Good work results

# Specific information

## Diamond tools

### Product label

**NEW**



### Colour codes



**Label**

Universal    Plastic    Concrete    Hard stone    Tiles    Marble    Asphalt    Abrasive materials    Cast iron

**Colour code**



**Material**

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



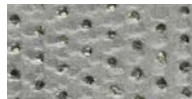
# Convincing, technologies



TYROLIT diamond tools with TGD® technology feature intelligently distributed diamonds that enable even load distribution, optimised cooling and a constantly high cutting performance. This significantly extends the tool lifetime and the load on the machines is reduced.

**Your advantages:**

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



TGD® Segment



Conventional segment



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.

**Your advantages:**

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



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.

**Your advantages:**

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



With the MoveSmart Technology, TYROLIT machines are connected to the Internet for the very first time. The technology processes real-time user data directly at the construction site and makes it available on various end-user devices. The cloud-based MoveSmart Technology was developed in collaboration with the Austrian start-up ToolSense and provides users and business owners with important machine and usage data, helping them to get the most out of their equipment. Service hours, error reports and pending software updates, for instance, can be recalled anywhere and at any time. This enables better planning, as well as faster and more cost-efficient operation based on real data.

**Your advantages:**

- + Increased productivity
- + Reduced service times
- + Targeted product development



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





## Free hand

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Information  
Dry cutting saw blades  
Diamond cup wheels

Hand- and ring saw blades  
Machines

## Table sawing

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Information  
Table saw blades

Machines

## Floor sawing

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Information  
Floor saw blades

Machines

## Core drilling

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Information  
Wet drill bits  
Dry drill bits

Tile drills  
Core drill systems

## Floor grinding

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Information  
Floor grinding tools

## Other

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Notes



# Free hand

<b>Dry cutting</b>	<b>16</b>
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# Dry cutting







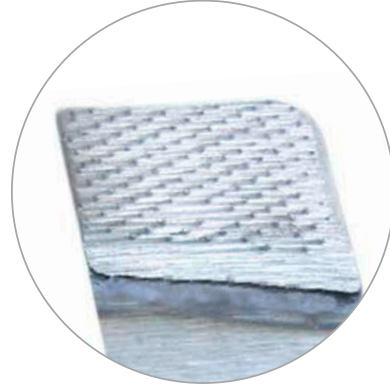
## Dry cutting saw blades for angle grinders and petrol saws

TYROLIT provides laser welded and directly sintered dry cutting saw blades that meet the highest standards of quality and safety.

With TYROLIT dry cutting saw blades, plastics, fibreglass or bullet-proof glass can be machined in addition to countless standard materials, such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound-insulated dry cutting saw blades, underline the continuous further development and optimisation of diamond products.

## TGD<sup>®</sup>-technology

TGD<sup>®</sup> (TYROLIT GRAIN DISTRIBUTION) is a unique technology developed by TYROLIT, which ensures consistently fast cutting rates, an extremely long lifetime and noticeable smooth running through optimised grain distribution. This provides for clean cuts that require no reworking. Furthermore, significantly less vibration is generated, resulting in less strain on the operator and the machine. These advantages are particularly economically evident in continuous operation: The operator can distribute his effort evenly over the day and machines remain serviceable longer.



**TGD<sup>®</sup>**  
TECHNOLOGY

## 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

## New features, new design, trusted quality

Right on time for the 100-year company anniversary of TYROLIT, we have revised the existing diamond dry cutting range with regard to product characteristics, user-friendliness and design.

The results are mostly universally applicable tools for all common construction materials. Until late 2020, innovations will continuously be introduced to replace the existing range.



# What is new?

## Increased performance by up to 30%

- + Powerful tools, extremely high cutting speeds and outstanding durability

## Compact assortment

- + Streamlined product palette with solutions for all common construction materials

## Innovative and user-friendly

- + Entirely tailored to current market demands and today's powerful machines

## New look

- + Re-designed segments, clear labels and updated packaging

## Highest product safety

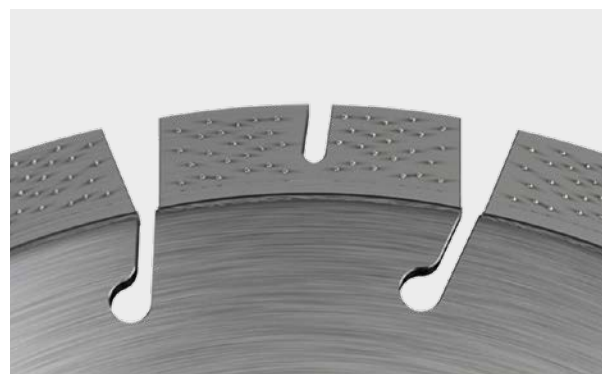
- + Complete assortment in compliance with OSA and EN13236 regulations

## Upgraded segments for outstanding results



### PREMIUM TGD® upgrades

Our reliable TGD® assortment now comes with an even better cutting rate. The upgraded diamond pattern allows for more efficiency, whereas longer segments ensure best performance.



### Upgraded PREMIUM segments

The new U-shaped cuts of the conventional dry cutting segments are not only an eye-catcher, but also come with an increased cooling effect. Moreover, the reduced segment surface ensures a higher cutting rate.

## An assortment for doers

A major part of the TYROLIT PREMIUM Dry Cutting Assortment has been substantially reworked with a clear focus on the user. Thus, the assortment boasts solutions for all kinds of users.

### For all-rounders



**DCU in TGD® Technology**

The upgrade of our top-selling universal disc with even better performance.



**DCU-FAST CUT**

Gets the job done faster: The high-performing version of our universal classic.



**DCU**

The constant companion for those who want to tackle various tasks with one durable disc.



**DCE-SILENT in TGD® Technology**

Noise-damped and universal: The SILENT version for an all-round application with electric machines.

## For rock-stars



**DCH in TGD® Technology**

Rock-solid: THE TGD® disc for cutting hard stone ensures unmatched results.



**DCH-FAST CUT**

Getting there faster with less grinding pressure: The fast cutting version of our professional hard stone disc.



**DCH**

Cutting-edge: Guarantees clean and break-out-free edges.

## For concrete pros



**DCC**

The first choice for cutting any type of concrete.









## For down-to-earth users



**DCA+C**

Hard-line cutting of asphalt and concrete.











APPLICATION RECOMMENDATION PREMIUM DRY CUTTING ASSORTMENT

		●	●	●	●	●	
		DCU TGD®	DCU-FAST CUT	DCU	DCU-SILENT*	DCE-SILENT**	
UNIVERSAL CONSTRUCTION MATERIALS		Concrete	●	●	●	●	●
		Armed concrete	●	○	⦿	⦿	⦿
		Cellular concrete	●	●	●	●	●
		Natural stone	⦿	⦿	⦿	⦿	⦿
		Hard materials	●	●	●	●	⦿
		Roofing materials	⦿	●	⦿	⦿	⦿
		Bricks	●	●	●	●	●
		Masonry	●	●	●	●	●
HARD STONE		Hard limestone	●	⦿	●	●	●
		Concrete blocks	●	●	●	●	●
		Granite	⦿	●	⦿	⦿	⦿
		Quartz	⦿	●	⦿	⦿	⦿
		Paving slab	●	○	⦿	⦿	⦿
ASPHALT & CONCRETE		Green concrete	⦿	⦿	●	●	●
		Floor pavement	●	⦿	●	●	●
		Plaster	●	●	●	●	●
		Asphalt	⦿	○	⦿	⦿	⦿
		Sandstone	●	●	●	●	●
MARBLE		○					
SOFT MATERIALS		GFK					
		PVC					
		Carbon fibre					
		Composites					
		Fibreglass					
		Bulletproof glass					
TILES & CERAMICS		Ceramic tiles					
		Fine stoneware					
		Porcelain					
INDUSTRIAL CERAMICS		Refractory materials	○				
		Engineering bricks	●	○	⦿	○	
METAL		Cast iron					
		Steel			○		
		Grey cast iron					
		Spheroidal cast iron					

● = optimal ⦿ = good ○ = acceptable " " = not recommended

\*For wet cutting, electro cutter \*\*For wet cutting, only for electric machines



									
DCC	DCC-FAST CUT	DCH TGD®	DCH-FAST CUT	DCH	DCA+C	DCM	DCT	DCCI Combi	Focur SA
●	●	●	●	●	⊖				
●	○	●	○	⊖	○				
⊖	●	●	●	●	⊖				
⊖	●	●	●	●	○				
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Free hand







# The PREMIUM Dry Cutting Assortment

**NEW** **★★★ PREMIUM** **DCU dry cutting saw blades** for universal construction materials | in TGD® Technology



Machinable materials: Universal construction materials such as concrete, natural stone, clay brick, cellular concrete etc.

	Shape	Type number OLD	Type number NEW	Dimension	Segment height			
 	C73W	704617	34468871	230x2.4x22.23	14			
		736088	34434257	300x2.6x20	14			
		22373	34462046	300x2.6x22.23	14			
		59580	34462047	300x2.6x25.4	14			
				736102	34435145	350x3.2x20	14	
				—	34462048	350x3.2x22.23	14	
				22377	34462049	350x3.2x25.4	14	
				59543	34435148*	400x3.2x20	14	
				59545	34462050*	400x3.2x25.4	14	





\*Only permitted for wet grinding.

**NEW** **★★★ PREMIUM** **DCU dry cutting saw blades** for universal construction materials



Machinable materials: universal building materials such as concrete, natural stone, clay brick, masonry, hard stone, abrasive materials, steel etc.



Details: A 20–16 mm reduction bush is supplied with a disc diameter of 105 mm.

	Shape	Type number OLD	Type number NEW	Dimension	Segment height		
 	C73W	464537	34430790	115x2.4x22.23	10		
		464539	34425401	125x2.4x22.23	10		
		464540	34430832	150x2.6x22.23	12		
		464543	34430833	180x2.6x22.23	12		
		464544	34434386	230x2.6x22.23	12		
		464545	34428610	300x2.6x20	12		
		464546	34431007	300x2.6x22.23	12		
		464549	34431008	300x2.6x25.4	12		
		464551	34430834	350x3.2x20	12		
		464552	34430835	350x3.2x22.23	12		
		464553	34430836	350x3.2x25.4	12		
		464555	34428721	400x3.2x20	12		
		464556	34431009	400x3.2x25.4	12		

★★★ PREMIUM **DCU-FAST CUT dry cutting saw blades**  
for universal construction materials



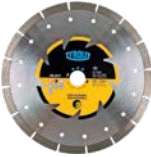

Machinable materials: universal building materials such as concrete, clay brick, masonry, hard stone, granite etc.

Shape	Type number	Dimension	Segment height
  C6R	474743	115x2x22.23	10
	474746	125x2x22.23	10
	474751	150x2.4x22.23	9
	474752	180x2.4x22.23	9
	474753	230x2.4x22.23	9

★★★ PREMIUM **DCU-SILENT dry cutting saw blades**  
for universal construction materials





Machinable materials: universal building materials such as concrete, clay brick, masonry, hard stone, concrete blocks etc.

Shape	Type number	Dimension	Segment height
  C3	474771	230x2.6x22.23	9

**NEW** ★★★ PREMIUM **DCE-SILENT dry cutting saw blades**  
for universal construction materials | in TGD® Technology



Machinable materials: universal building materials such as concrete, clay brick, masonry, concrete blocks etc. Only for electric cutting machines.

Shape	Type number	Dimension	Segment height
  C73GW	34461143	350x3.2x20	14
	34461144	400x3.2x20	14

**NEW** **★★★ PREMIUM** **DCC dry cutting saw blades for concrete**



Machinable materials: concrete, armed concrete, concrete products, hard materials etc.

	Shape	Type number OLD	Type number NEW	Dimension	Segment height	
		C73W	465488	34468730	115x2.4x22.23	10
		465489	34468731	125x2.4x22.23	10	
		465490	34468732	150x2.6x22.23	12	
		465491	34468733	180x2.6x22.23	12	
		465492	34468734	230x2.6x22.23	12	
		465493	34468735	300x2.6x20	12	
		465494	34468736	300x2.6x22.23	12	
		465495	34468737	300x2.6x25.4	12	
		465496	34468738	350x3.2x20	12	
		465498	34468739	350x3.2x22.23	12	
		465499	34468740	350x3.2x25.4	12	
		465501	34468751	400x3.2x20	12	
		—	34468752	400x3.2x25.4	12	

**★★★ PREMIUM** **DCC-FAST CUT wall chaser blade for concrete**



Machinable materials: Concrete, clay brick, cellular concrete. Details: Tool for the milling of slots in concrete and masonry. For use with all common wall chasers.


	Shape	Type number	Dimension	Segment height	
		C3R	598008	125x2x22.23	7
		598010	140x2.4x22.23	9	
		598011	150x2.4x22.23	9	

**NEW** **★★★ PREMIUM**

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



Machinable Materials: Concrete blocks, granite, gneiss, porphyry, paving slab etc.


Shape	Type number OLD	Type number NEW	Dimension	Segment height
	707365	34468872	230x2.4x22.23	14
	736095	34435150	300x2.6x20	14
	43485	34462092	300x2.6x25.4	14
	736105	34435151	350x3.2x20	14
	43490	34462093	350x3.2x25.4	14
	—	34435152	400x3.2x20	14
	—	34462094	400x3.2x25.4	14

**NEW** **★★★ PREMIUM**

**DCH dry cutting saw blades**  
for hard stone



Machinable materials: Granite, gneiss, porphyry, paving slab, hard limestone, etc.



Shape	Type number OLD	Type number NEW	Dimension	Segment height
	—	34475858	115x2.4x22.23	10
	464698	34475856	125x2.4x22.23	10

**★★★ PREMIUM**

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



Machinable materials: Granite, gneiss, porphyry, paving slab, hard limestone, etc.



Shape	Type number	Dimension	Segment height
	475790	115x1.2x22.23	7
	475793	125x1.2x22.23	7
	475797	180x1.9x22.23	9
	475800	230x1.9x22.23	9



### DCAB Tuck point blade for abrasive materials



Machinable materials: Mortar joints. Details: tool for milling and repairing mortar joints.



	Shape	Type number	Dimension	Segment height
		FRSU 563873	115x7.2x22.23	7
		535829	125x7.2x22.23	7



### DCM dry cutting saw blades for marble



Machinable materials: Marble, fibreglass reinforced plastic, PVC, carbon fibre, composites, fibreglass, bulletproof glass, etc.



	Shape	Type number	Dimension	Segment height
		UC3 315968	115x2.5x22.23	2
		315967	125x2.5x22.23	2
		547611	150x3x22.23	2
		315966	180x3x22.23	2
		315965	230x3x22.23	2
		490961	350x3x20	2.5
		490962	350x3x25.4	2.5



### DCT dry cutting saw blades for tiles & ceramics




Machinable materials: Ceramic tile, fine stoneware, porcelain. Details: A 20–16 mm reduction bush is supplied with a disc diameter of 105 mm.

	Shape	Type number	Dimension	Segment height
		1A1R 639558	105x1x20	10
		639559	115x1.2x22.23	10
		639560	125x1.2x22.23	10
		639634	180x1.4x22.23	10
		676791	200x1.6x22.23	10
		639635	230x1.6x22.23	10

## Accessories dry cutting saw blades

### Sharpening plate for tiles







	Type number	Dimension
	SP6 662791	55x25x320

## **NEW** **★★★ PREMIUM** DCA+C dry cutting saw blades for asphalt & concrete




Machinable materials: asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete.

Details: Protective segments against the undercutting-effect for blades with a dia of 300 or more.

Shape	Type number	Dimension	Segment height	
	C73W 34470453	115x2.4x22.23	10	
	34470454	125x2.4x22.23	10	
	34470455	150x2.6x22.23	12	
	34470456	180x2.6x22.23	12	
	34470457	230x2.6x22.23	12	
	C73SW 34472010	300x2.6x20	10	
	34472041	300x2.6x22.23	10	
	34472044	300x2.6x25.4	10	
	34472046	350x3.2x20	10	
	34472061	350x3.2x22.23	10	
	34472008	350x3.2x25.4	10	
	34474151	400x3.2x25.4	10	

## **★★★ PREMIUM** Roofer's cutting wheel for all common roofing materials



Shape	Type number	Dimension	Segment height
	C6R 103283	230x2.4x22.23	9




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



FOCUR SA diamond cut-off wheels from Tyrolit are the optimum tool for machining grey and spheroidal cast iron. These products combine a long lifetime with maximum economic efficiency.

FOCUR SA cut-off wheels are available in diameters from 115 to 230 mm.

Shape	Type number	Dimension	Specification
	UC3 34213575	115x2.8x22.23	DC CI
	34192268	125x3x22.23	DC CI
	102811	180x3x22.23	DC CI
	102813	230x3x22.23	DC CI




### FOCUR SA Diamond cut-off wheel for grey and spheroidal cast iron for slowly rotating machines



FOCUR SA diamond cut-off wheels from TYROLIT are the optimum tool for machining grey and spheroidal cast iron. These products combine a long lifetime with maximum economic efficiency.


FOCUR SA cutting discs are specially designed for slow-rotating machines and are only available in diameters of 350 mm.

Shape	Type number	Dimension	Specification
	UC3 34367418	350x4.1x20	3 DC CI



### DCCI Combi cutting and chamfering disc for plastic pipes



Shape	Type number	Dimension	Segment height
	UC3 34228075	125x3x22.23	3




### CUT-ALL for any materials



Machinable materials: universal building materials, concrete, stone, cast iron, composite materials, plastic, glass, wood, sheets and metal sections.

Available from July 2020.

Shape	Type number	Dimension	Specification
	UC3 34503209	115x2.8x22.23	DC-ALL
	34502746	125x3x22.23	DC-ALL
	34503208	230x3x22.23	DC-ALL
	34503261	350x4.1x20	DC-ALL
	34503262	350x4.1x25.4	DC-ALL

# The STANDARD and BASIC Dry Cutting Assortment

**★★ STANDARD** DCU dry cutting saw blades for universal construction materials



Machinable materials: Universal building materials, such as concrete, clay brick, natural stone, steel, etc.

Shape	Type number	Dimension	Segment height
	C3	467443	115x2x22.23
		467444	125x2x22.23
		467445	150x2.6x22.23
		467446	180x2.6x22.23
		467448	230x2.6x22.23
		464853	300x2.6x20
		464854	300x2.6x22.23
		464855	300x2.6x25.4
		464858	350x3x20
		464859	350x3x25.4
		465667	400x3.2x20

**DCU-FAST CUT**

	C3R	467414	115x2x22.23	
		467416	125x2x22.23	
		C3R	467428	150x2.4x22.23
			467430	180x2.4x22.23
			467431	230x2.4x22.23
			467433	300x3x20
	467434		300x3x22.23	
	467435		300x3x25.4	
	467436	350x3x20		
	467439	350x3x25.4		

**★ BASIC** DCU dry cutting saw blades for universal construction materials





Machinable materials: Universal building materials, such as concrete, clay brick, natural stone, etc.

Details: A 20–16 mm reduction bush is supplied with a disc diameter of 105 mm.




Shape	Type number	Dimension	Segment height
	C3	466082	105x2x20
		466083	115x2x22.23
		466084	125x2x22.23
		466086	150x2.6x22.23
		466087	180x2.6x22.23
		466090	230x2.6x22.23



	Shape	Type number	Dimension	Segment height	
		C3	466093	300x2.6x20	10
		466094	300x2.6x22.23	10	
		466095	300x2.6x25.4	10	
		466096	350x3x20	10	
		466098	350x3x22.23	10	
		466099	350x3x25.4	10	
		529399	400x3.2x25.4	10	
		529401	450x3.2x25.4	10	



**DCU-FAST CUT**



		C3R	467266	105x2x20	7
		467267	115x2x22.23	7	
		467268	125x2x22.23	7	
		C3R	467271	150x2.4x22.23	9
		467273	180x2.4x22.23	9	
		467276	230x2.4x22.23	9	
		467280	300x3x20	10	
		467281	300x3x22.23	10	
		467282	300x3x25.4	10	
		467285	350x3x20	10	
		467288	350x3x22.23	10	
		467289	350x3x25.4	10	




**DCC dry cutting saw blades**  
 for concrete



Machinable materials: Concrete, reinforced concrete, concrete products, hard materials, etc.

	Shape	Type number	Dimension	Segment height	
		C3	474774	115x2x22.23	7
		474775	125x2x22.23	7	
		536789	130x2.2x22.23	7	
		474777	150x2.6x22.23	9	
		474778	180x2.6x22.23	9	
		474780	230x2.6x22.23	9	
		465503	300x2.6x20	10	
		465505	300x2.6x22.23	10	
		465507	300x2.6x25.4	10	
		465509	350x3x20	10	
		465662	350x3x22.23	10	
		465512	350x3x25.4	10	
		485041	400x3.2x20	10	







### DCC-LL dry cutting saw blades for concrete



Machinable materials: Concrete, reinforced concrete, concrete products, hard materials, etc.



Shape	Type number	Dimension	Segment height
 	C3W	484994	300x2.6x20
		484996	300x2.6x22.23
		484999	300x2.6x25.4
		485001	350x3x20
		485003	350x3x22.23
		485004	400x3.2x20



### DCH dry cutting saw blades for hard stone



Machinable materials: Granite, porphyry, paving slab, hard limestone, etc.



Shape	Type number	Dimension	Segment height
 	C3	467386	115x2x22.23
		467387	125x2x22.23
		467388	180x2.6x22.23
		467389	230x2.6x22.23
		467391	300x2.6x20
		467392	300x2.6x22.23
		467394	300x2.6x25.4
		467395	350x3x20
		467396	350x3x22.23
		467400	350x3x25.4



### DCAB dry cutting saw blades for abrasive materials



Machinable materials: Abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc.

Shape	Type number	Dimension	Segment height
 	C3W	465672	115x2.2x22.23
		465674	125x2.2x22.23
		465677	150x2.2x22.23
		465686	230x2.4x22.23



**★**  
**BASIC**

### DCT dry cutting saw blades

for tiles & ceramics



Machinable materials: Ceramic tiles.

	Shape	Type number	Dimension	Segment height	
		1A1R	475975	100x1.6x22.23	7
		475978	115x1.6x22.23	7	
		475980	125x1.6x22.23	7	
		475983	180x2x22.23	9	
		475986	230x2x22.23	9	



**★★**  
**STANDARD**

### DCA dry cutting saw blades

for asphalt



Machinable materials: Asphalt, sandstone, extremely abrasive materials. Details: Protective segments against the undercutting-effect.

	Shape	Type number	Dimension	Segment height	
		C1SW	465519	300x2.8x20	10
		465520	350x3x20	10	
		465522	350x3x25.4	10	
		465525	400x3.2x25.4	10	
		465526	450x3.6x25.4	10	



**★**  
**BASIC**

### DCA dry cutting saw blades

for asphalt



Machinable materials: Asphalt, sandstone, extremely abrasive materials.



	Shape	Type number	Dimension	Segment height	
		C1SW	465649	300x2.8x20	10
		465656	300x2.8x22.23	10	
		465650	300x2.8x25.4	10	
		465651	350x3x20	10	
		465652	350x3x25.4	10	
		529402	400x3.2x25.4	10	
		529403	450x3.6x25.4	10	



**DCA+C 2in1 dry cutting saw blades**  
for asphalt & concrete



Machinable materials: Asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete. Details: Protective segments against the undercutting-effect.



Shape	Type number	Dimension	Segment height
 	C1SW	34168634	300x2.8x20
		34237091	300x2.8x25.4/20
		34168635	350x3x20
		34237092	350x3x25.4/20



**DCA+C 2in1 dry cutting saw blades**  
for asphalt & concrete





Machinable materials: Asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete. Details: Protective segments against the undercutting-effect.

Shape	Type number	Dimension	Segment height
 	C1SW	736309	300x2.8x20
		736311	300x2.8x25.4
		736313	350x3x20
		80653	350x3x25.4




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



Shape	Type number	Dimension	Segment height
 	C3R	34485652	230x2,4x22,23

**Sharpening plate**  
Accessories dry cutting saw blades

Type number	Dimension	
	SP1	
	497322	55x25x320
	484627	160x30x320
484672	320x55x320	



# 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

# Application recommendation



Performance Level	Specification	Hard stone	Concrete	Abrasive materials	Universal	Pages
★★★ PREMIUM	DGU Turbo				●	40
	DGU				●	41
★★ STANDARD	DGU Single row				●	41
	DGU Double row				●	41
	DGU Turbo				●	42
	DGU-T   Continuous				●	42
	DGAB			●		42
	DGC			●		43
	DGH	●				43
	DGU-FC				●	43

FC - Fastcut

S - Silent

LL - Longlife





# DGU-Turbo Diamond cup wheels

for universal building materials | W-Segment

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

+ **Quick dust removal.**



+ **Impressive performance and lifetime.**

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



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

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



## DGU-Turbo Diamond cup wheels for universal building materials | W-Segment



	Shape	Type number	Dimension	Segment height
	 STS-T	598061	100x20x22.23	5
		34179930	125x23x22.23	5
		34179971	180x32x22.23	5



**DGU Diamond cup wheels**  
for universal building materials



Machinable materials: Concrete, natural stone and general building materials. Details: With PU foam coating for quiet grinding and shaping of corners and edges.

	Shape	Type number	Dimension	Segment height
		STHD		
		356569	100x18x22.23	5
		350694	110x18x22.23	5
		367833	110x18xM14	5
		348387	125x18x22.23	5
		828013	180x19x22.23	5



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



Machinable materials: Concrete, natural stone and general building materials. Details: Single row segments for high stock removal. A 22.23–16 mm reduction bush is supplied.

	Shape	Type number	Dimension	Segment height	
		STS-S	494333	100x18x22.23	5



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



Machinable materials: Concrete, natural stone and general building materials. Details: Double row segments for medium stock removal and long lifetime. A 22.23–16 mm reduction bush is supplied with wheel diameters of 100 and 110 mm.

	Shape	Type number	Dimension	Segment height
		STS-D		
		494339	100x18x22.23	5
		494349	110x18x22.23	5
		494361	125x18x22.23	5
		494394	180x32x22.23	5





### DGU-Turbo Diamond cup wheels for universal building materials



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

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

	Shape	Type number	Dimension	Segment height	
		STS-T	494342	100x18x22.23	5
			494365	125x20x22.23	5
			494391	180x32x22.23	5





### DGU-T Diamond cup wheels for universal building materials | Continuous



Machinable materials: Concrete, natural stone and general building materials. Details: Turbo style arranged segments for exceptional surface finish

and high grinding power.

	Shape	Type number	Dimension	Segment height	
		STS-TC	34247005	100x18.5x22.23	6
			34247126	115x18.5x22.23	6
			34247127	125x18.5x22.23	6
			34247128	180x18.5x22.23	6





### DGAB Diamond cup wheels for abrasive materials | T-Segment



Machinable materials: Abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc.

Details: Grinding disc with T-segment for abrasive materials. Excellent grinding power.

	Shape	Type number	Dimension	Segment height	
		STS-TS	34247129	100x21x22.23	5
			34247130	115x21x22.23	5
			34247151	125x21x22.23	5
			34247152	180x30.2x22.23	5



### DGC Diamond cup wheels for concrete | T-Segment



Machinable materials: Concrete and general building materials. Details:  
Grinding disc with T-segment for universal use. Excellent grinding power.

	Shape	Type number	Dimension	Segment height	
		STS-TS	34247153	100x21x22.23	5
			34247154	115x21x22.23	5
			34247155	125x21x22.23	5
			34247156	180x30.2x22.23	5



### DGH Diamond cup wheels for hardstone | T-Segment



Machinable materials: Natural stone, granite and hard building materials. Details:  
Grinding disc with T-segment for hard materials. Excellent grinding power.

	Shape	Type number	Dimension	Segment height	
		STS-TS	34247157	100x21x22.23	5
			34247158	115x21x22.23	5
			34247159	125x21x22.23	5
			34247160	180x30.2x22.23	5



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



Machinable materials: Concrete and general building materials. Details: Fast Cut Version – very high stock removal rate.  
Grinding disc with L-segment, with particularly large holes for better extraction, for universal use.

	Shape	Type number	Dimension	Segment height	
		STS-LS	34247161	100x20.5x22.23	5
			34247162	115x20.5x22.23	5
			34247164	125x20.5x22.23	5
			34247165	180x30x22.23	5



# 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	Concrete	Pages
 <b>PREMIUM</b>	HSL TGD®	●	48
	RSL	●	48
	RSL-C	●	49
	RSL-FC	●	49
	RSM	●	49
 <b>STANDARD</b>	HSL-FC	●	48

## Colour indication

Low Power / for hard, non-abrasive materials	●
Medium Power / for soft, abrasive materials	●



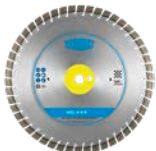



**HSL Hand saw blade**  
for concrete | in TGD®-Technology



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 15 cm.

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

	Shape	Type number	Dimension	Segment height	
		C77W	54902	405x2.8x25.4	10
			732290	416x2.8x25.4	10





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



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 15 cm.

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

	Shape	Type number	Dimension	Segment height	
		C7W	34291707	350x4.2x25.4	10





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



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 40 cm (Ø 506 mm) / 30 cm (Ø 406≈mm).  
Details: The ring saw blades have been optimised to work perfectly with

the TYROLIT HRG500\*\*\* Hydrostress machine. With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height	
		C1W	738471	406x3.9x326.8	10
			738473	506x3.9x421.7	10





**RSL Ring saw blade**  
for concrete | Ø 366 mm



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 26 cm. Details: Application in system with fuel operated, electric or hydraulic ring saw machines.

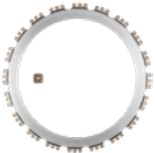

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height	
		C1W	739886	366x4.2x288	10

★★★ PREMIUM
●
**RSL-C Ring saw blade**  
 for concrete | Ø 406 mm
 


Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 30 cm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT Hydrostress machines.

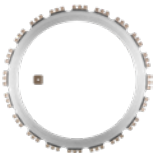

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height
	 C1W	34058668	406x3.9x326.78	10

★★★ PREMIUM
●
**RSL-FAST CUT Ring saw blade**  
 for concrete | Ø 306 mm / Ø 406 mm
 


Machinable materials: For fast cutting on reinforced or normal concrete with wall thicknesses of up to 30 cm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT



Hydrostress machines. With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height
	 C1W	34249061	306x3.9x225.2	10
		34258692	406x3.9x326.78	10
		34438701	406x3,9x320	10

★★★ PREMIUM
●
**RSM Ring saw blade**  
 for concrete | Ø 366 mm
 


Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 26 cm. Details: Application in system with fuel operated, electric or hydraulic ring saw machines.

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height
	 C1W	739887	366x4.2x288	10

● = low

● = medium



## Hand saw HBE350

Cutting depth up to 125 mm



355 mm saw blade with cutting depth up to 125 mm



2.8 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

The HBE350 is an electric hand-held saw with a cutting depth up to 125 mm. The saw is suitable for both wet and dry applications. An integrated dust extraction connection enables clean working. The compact

design, low weight and detachable guide rollers ensure ease of handling and machine guidance. The 230V electric drive enables flexible indoor and outdoor use.

# System & Accessories

## Technical data

### Saw blade

Max. cutting depth	125 mm
Max. saw blade Ø	355 mm
Saw blade uptake	25.4 mm

### Drive

Drive / motor	Electric
Voltage / frequency	230 V / 50–60 Hz
Power	2.8 kW

### Dimensions & Weight

Length	625 mm
Width	250 mm
Height	365 mm
Weight (without blade)	7.9 kg

## System & Accessories

### Hand saw HBE350

10996674	Hand saw HBE350 / 230 V
10997263	Suction frame



## 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
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### Accessories

10998741	Flush cut kit
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TYROLIT

HYDROSTRESS

TYROLIT



# Table sawing

<b>Information</b>	<b>56</b>
<b>Table saw blades</b>	<b>58</b>
<b>Machines</b>	<b>62</b>











## 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	Pages
★★★ PREMIUM	TSU	•						58
	TSU-SILENT	•						59
	TSH		•					59
	TSH-SILENT		•					59
	F40					•		59
	TSS10			•				60
	ES-T						•	60
	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)

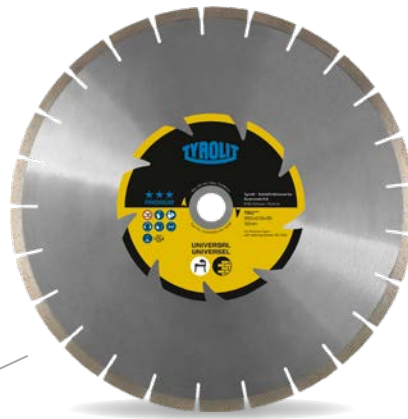


# TSU Table saw blade

for universal building materials

+ **Universal use**  
for various building materials,  
such as clay brick, concrete,  
sand-lime brick, etc.

+ **Maximum performance  
and lifetime.**



+ **Broad product range.**

Materials able to be machined:  
Cellular concrete, sand-lime brick,  
pumice stone, clay brick, etc. Details:  
35–30 mm and 30–25.4 mm reduction

bushes are included with disc diam-  
eters up to 550 mm. A 60–55 mm  
reduction bush is supplied with disc  
diameters of 625 mm and upwards.



## TSU Table saw blade for universal building materials



	Shape	Type number	Dimension	Segment height	
		C2W	34180849	250x2.2x35	10
		34180294	300x2.4x35	10	
		34180293	350x2.8x35	10	
		34180291	400x3.2x35	10	
		34180270	450x3.2x35	10	
		34218744	500x3.6x35	10	
		34180268	550x3.6x35	10	
			C1W	34180263	625x3.6x60/55
34171018	650x3.9x60/55		10		
34171019	700x3.9x60/55		10		
34171020	900x4.8x60/55		10		
34171031	1000x4.8x60/55		10		



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



Materials able to be machined: Cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35–30 mm and 30–25.4 mm reduction

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

	Shape	Type number	Dimension	Segment height
		C2GW 34180292	350x2.8x35	10
		C1GW 34181275	625x3.6x60	10
		34180295	700x3.9x60/55	10
		34305288	900x4.8x60/55	10



**TSH Table saw blade**  
for hardstone



Materials able to be machined: Granite, gneiss, hard sand-lime brick, hard clay brick. Details: 35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
		C2 34277672	250x2.2x35	10
		34221327	300x2.8x35	14
		34221325	350x2.8x35	14

**TSH-SILENT**

		C2G 34221324	300x2.8x35	14
		34097755	350x2.8x35	14



**F40 Table saw blade**  
for abrasive materials



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

	Shape	Type number	Dimension	Segment height
		C2W 817603	350x2.8x25.4	7
		817607	400x3.2x25.4	7
		547136	500x3.6x25.4	7





### TSS10 Table saw blade for engineering bricks



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

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



	Shape	Type number	Dimension	Segment height
	 C1	894258	350x2.8x35	9



### ES-T Table saw blade for marble



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

	Shape	Type number	Dimension	Segment height
	 C2	5684	300x2.4x35	7
		5685	350x2.8x35	7

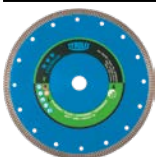



### DCT Table saw blade for tiles and ceramic materials




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

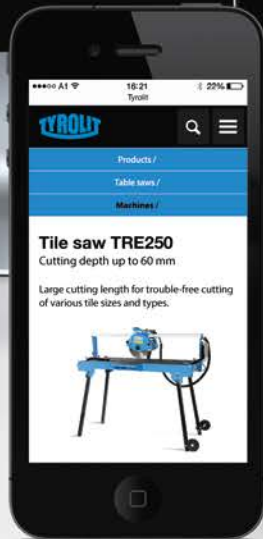
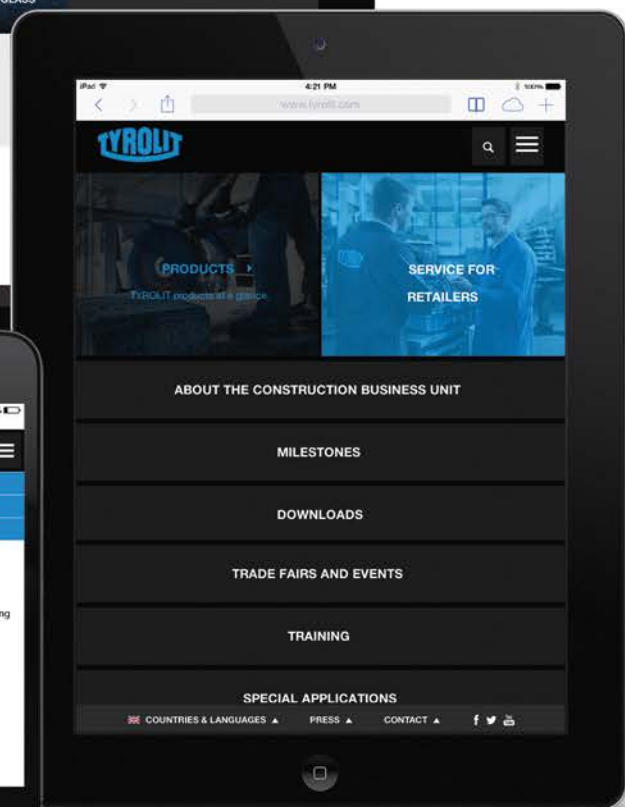
Details: ultra-thin saw blades with excellent properties. 35–30 mm and 30–25.4 mm reduction bushes are supplied.

	Shape	Type number	Dimension	Segment height
	 1A1R	639566	180x1.4x35	10
		701934	200x1.6x35	10
		639568	230x1.6x35	10
		639569	250x1.6x35	10
		639570	300x2x35	10
		639571	350x2x35	10

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



	Type number	Dimension
	SP6 662791	55x25x320



[www.tyrolit.com](http://www.tyrolit.com)

★★★  
PREMIUM

## Tile saw TRE250

Cutting depth up to 60 mm

Table sawing



Cutting length up to 1 m for cutting large tiles



Clean cuts thanks to precise saw head guide and robust design



Safe and easy transport thanks to folding feet and transport wheels

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

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

# System & Accessories

## Technical data

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

\* Plunge cut

## Drive

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

## Design

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

## Dimensions & Weight

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

## System & Accessories

Tile saw TRE250	
10989500	Tile saw TRE250 / 230 V
10989100	Tile saw TRE250 / 110 V

Accessories	
10995459	Side splash guard
10995489	Parallel guide



★★  
STANDARD

## Masonry saw TBE400

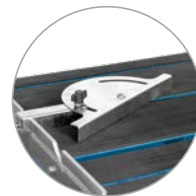
Cutting depth up to 125 mm



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

★★★  
PREMIUM

## Masonry saw TME700

Cutting depth up to 270 mm

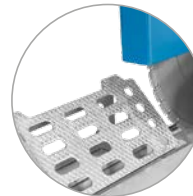
Table sawing



Removable water tank for easier cleaning



Sturdy, balanced transport hook for easy crane transport



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

## 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)

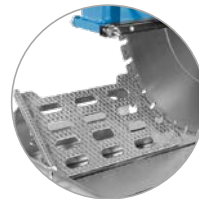
★ ★ ★  
PREMIUM

## Masonry saw TME1000

Cutting depth up to 380 mm



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



Precise mitre cutting due to mitre stop



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

## 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)

★★★  
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

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

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

## System & accessories

### Technical data

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

### Drive

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

### Dimensions & weight

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

### System & accessories

<b>Cellular concrete band saw TBS510</b>	
11000101	Cellular concrete band saw / 230 V, incl. saw band
<b>Tools</b>	
34453058	HM saw band, length 3,750 x 27 mm, 3 teeth/inch







# 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 ( $\leq 15$ kW)		
Medium Power ( $> 15$ – $25$ kW)		
High Power		
Extreme high Power		

# 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							○	○	●	
	FSC	L	L	○	⓪	●	●						
	FSL-C	L/M	L	○	●	●	⓪						
	FSM-C	M/H	M	○	⓪	●	●						
	FSL-A	L/M	L							○	⓪	●	

Machine			Shaft-drive		Material		Suitability	
Power			EL	Electric	Aggregates		Optimal	●
Low	L	≤15 kW	EL	Electric	Very hard	Flint	Good	⓪
Medium	M	15–25 kW	HYD	Hydraulic	Hard	Quartz	Acceptable	○
High	H	25–50 kW	B*	Petrol	Medium	Granite	Not suitable	
Very high	X	>50 kW	D*	Diesel	Soft	Limestone		

\* with V-belt drive

## Service

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

## Information / Recommendations

- + Optimum application conditions / peripheral speed
 

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

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



+ **Very long lifetime.**

Machines up to 15 kW | soft to very hard aggregates.

Details: Laser welded up to a diameter of 1 200 mm. Special segment shape with a protective function to guard against premature steel blade

wear in the contact zone – (undercutting-effect). Suitable for renovation, controlled demolition and demolition of roads, highways, airports, bridges and industrial buildings. Also for removing damaged concrete ceilings and for ceiling breakthroughs up to

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



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





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

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

	Shape	Type number	Dimension	Driving bore	Segment height	
		C77W	620570	350x3.2x25.4		10
		620571	350x3.9x25.4		10	
		612893	450x3.9x25.4		10	
		613264	450x4.4x25.4		10	
		613271	500x3.9x25.4		10	
		613272	600x3.9x25.4		10	
		638179	600x3.9x25.4	7M23	10	
		648205	600x3.9x60/25.4		10	
		613273	600x4.4x25.4		10	

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter 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 diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle



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

	Shape	Type number	Dimension	Driving bore	Segment height
		615335	600x5x25.4		10
		103020	650x3.9x25.4		10
		613274	700x3.9x25.4		10
		615338	700x4.4x25.4		10
		613276	800x3.9x25.4		10
		615339	800x4.4x25.4		10
		615340	900x4.4x25.4		10
		615341	1000x4.4x25.4		10
		646183	1200x4.4x35/25.4	7M174	10



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

Machines up to 25 kW | hydraulic drives up to 50 kW | soft to very hard aggregates. Details: Laser welded up to a diameter of 1 200 mm. Special segment shape with a protective function to guard against premature steel blade wear in the contact zone – (undercutting-effect).

	Shape	Type number	Dimension	Driving bore	Segment height
		C77W 620572	350x3.2x25.4		10
		620573	350x3.9x25.4		10
		739750	350x3.9x35/25.4	7M174	10
		615342	450x3.9x25.4		10
		653498	450x3.9x35/25.4	7M174	10
		613277	450x5x25.4		10
		631830	450x5x35/25.4	7M174	10
		613280	500x3.9x25.4		10
		613284	600x3.9x25.4		10
		613285	600x4.4x25.4		10
		613286	600x5x25.4		10
		624783	600x5x35/25.4	7M174	10
		613287	700x3.9x25.4		10
		615343	700x4.4x25.4		10
		643676	700x4.4x35/25.4	7M174	10
		613288	800x4.4x25.4		10
		621887	800x4.4x35/25.4	7M174	10
		34167502	800x5x25.4		10
		613289	900x4.4x25.4		10
		613291	1000x4.4x25.4		10
		633953	1000x4.4x35/25.4	7M174	10
		620575	1200x4.4x25.4		10

Floor sawing





### FSC Floor saw blade for cured concrete



Machines up to 15 kW | soft to medium-hard aggregates. Details: Laser welded up to a diameter of 600 mm. Equipped with measuring bore for easy wear control of the segment height.

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

	Shape	Type No.	Dimension	Segment height
		C7W		
		574853	300x3.2x25.4	12
		574854	350x3.2x25.4	12
		574855	400x3.2x25.4	12
		574856	450x3.6x25.4	12
		574857	500x3.6x25.4	12
		574858	600x3.6x25.4	12
		34237521	700x3.6x35/25.4	12
34237523	800x3.9x35/25.4	12		

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter 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 diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

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





# FSL-A Floor saw blade

for asphalt



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

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

Machines up to 25 kW | soft to very hard aggregates. Details: Laser-welded up to a diameter of 600 mm. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect).

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




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

Floor sawing



## FSL-A Floor saw blade for asphalt



	Shape	Type number	Dimension	Segment height
		C7SW		
		620541	350x3.2x25.4	11
		620542	400x3.2x25.4	11
		620544	450x3.6x25.4	11
		621163	450x5x35/25.4	11
		599004	500x3.6x25.4	11
		620558	600x3.6x25.4	11
		621164	600x5x35/25.4	11
		34237486	700x4.7x35/25.4	11
		34237487	800x4.7x35/25.4	11
		C1S		
		620553	900x4.7x35/25.4	11
		620555	1000x4.7x35/25.4	11
		620556	1200x4.7x35/25.4	11







**FSA Floor saw blade  
for asphalt**



Machines up to 15 kW | soft to very hard aggregates. Details: laser welded up to a diameter of 600 mm. with protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect) and

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

	Shape	Type number	Dimension	Segment height
		C7SW		
		574838	300x3.2x25.4	9
		574844	350x3.2x25.4	9
		574845	400x3.2x25.4	9
		574846	450x3.6x25.4	9
		574848	500x3.6x25.4	9
		574850	600x3.6x25.4	9
		34237480	700x4.2x35/25.4	9
		34237482	800x4.2x35/25.4	9

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter 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 diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

● = low      ● = medium      ● = high



★★★  
PREMIUM

## Floor saw FSG513

Cutting depth up to 170 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

## Saw blade

Saw blade	
Max. cutting depth	170 mm
Max. saw blade Ø	450 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	113 kg

## System & Accessories

Floor saw FSG513	
10988800	Floor saw FSG513 incl. water tank 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

## Saw blade

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 FSE811

Cutting depth up to 320 mm



Transmission guarantees optimum cutting speeds



Left and right cutting



Maintenance free belt drive

Perfectly suited for indoor use, the floor saw FSE811 has also been especially designed for locations that are difficult to access and allows a quick and easy change from left to

right cutting. Additionally, this saw features a smooth cutting depth adjustment using a precise and protected spindle.

# System & Accessories

## Saw blade

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
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

## Design

Manual, cutting depth adjustment via spindle
Cutting depth indicator
Tool cooling using function
Left / right cutting function
Corner flush cutting function

## Dimensions & Weight

Length	1 100 mm
Width	600 mm
Height	980 mm
Weight	158 kg

## System & Accessories

Floor saw FSE811	
10992000	Floor saw FSE811



★★  
STANDARD

## Floor saw FSD930

Cutting depth up to 350 mm



Floor sawing



Easy, controlled work thanks to clear control panel



Water regulation for optimum tool cooling and useful lighting always within reach



Exact alignment of the machine using cut indicator

Thanks to intelligent weight distribution, the FSD930 features excellent cutting behaviour. The hydraulic feed drive and electro-hydraulic cutting depth adjustment permit convenient and ergonomic operation.

# System & Accessories

## Saw blade

Saw blade	
Max. cutting depth	350 mm
Max. saw blade Ø	900 mm
Saw blade speed	1 400 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

## Drive

Drive / motor	Diesel
Type	Deutz
Output	22 kW / 30 PS
Fuel	Diesel
Fuel tank	22.8 l
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt
Feed speed	0–61 m/min

## Design

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

## Dimensions & Weight

Length	1 170 mm
Width	820 mm
Height	1 250 mm
Weight	655 kg

## System & Accessories

Floor saw FSD930	
10984042	Floor saw FSD930

## Accessories

10984390	Green concrete kit with 450 mm blade guard and transformation set (2 300 rpm)
----------	---

*Diesel particle filter and transformation set on request*

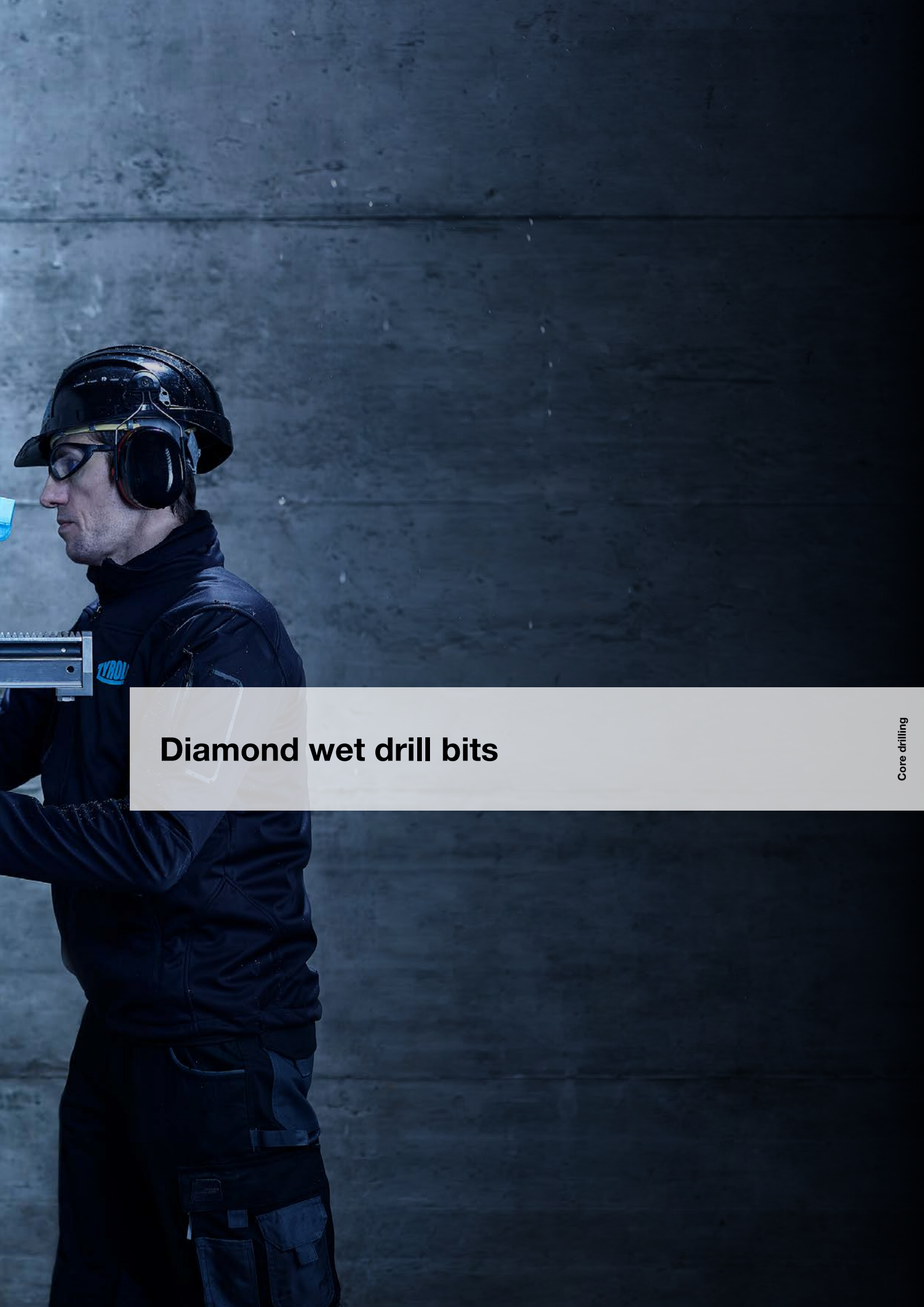




# Core drilling

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## Diamond wet drill bits



## Drill bits for wet drilling

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

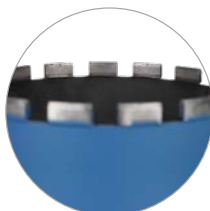
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

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

bits are designed to work perfectly with TYROLIT Hydrostress machines.

### TGD®-Technology

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



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

## Speeds

Diameter	Speed	Drive power
Concrete (2–3 m/s)		
mm	rpm	kW
18	2 100–3 200	1
32	1 200–1 800	
42	900–1 400	
52	750–1 100	
62	620–950	2
72	550–800	
82	470–700	
102	370–550	3
122	310–470	
152	250–380	
162	240–350	4
182	210–320	
202	190–280	
250	150–230	
300	130–190	
400	100–140	
500	80–120	

## Service

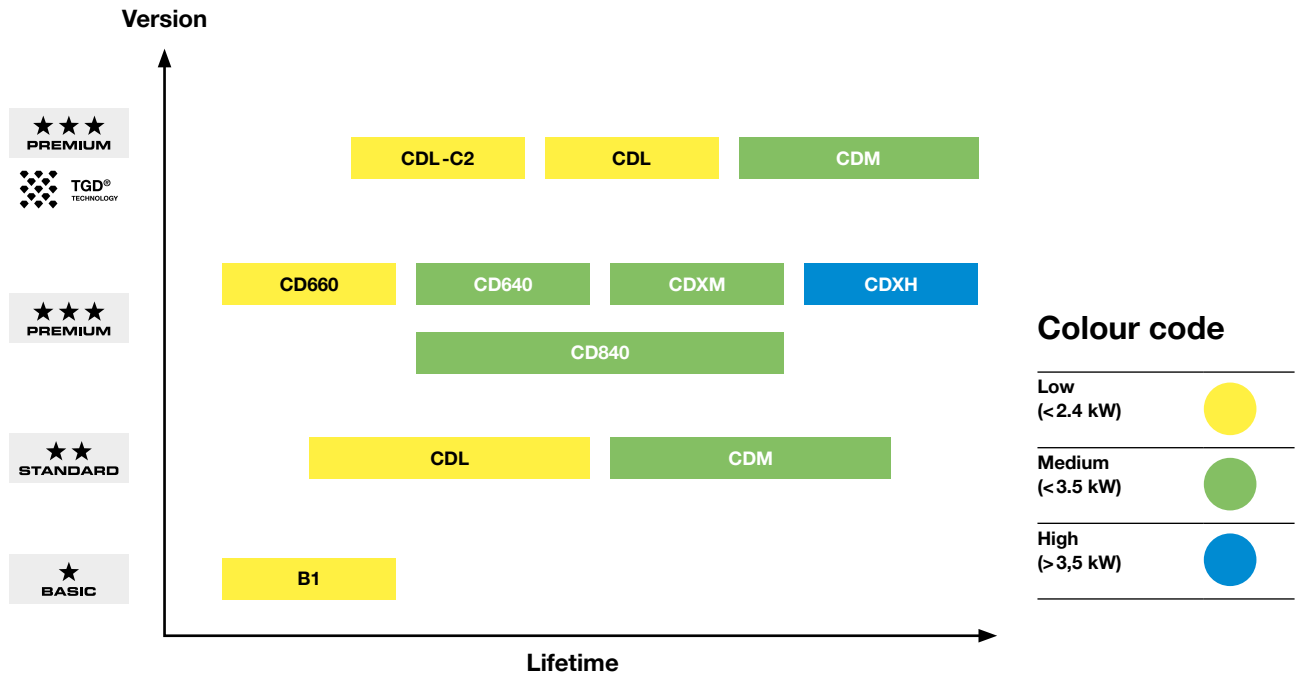
- + Products for concrete (asphalt, masonry, steel and special applications on request)
- + Mountings and connection threads available to comply with local standards and tailored to suit all types of motors (electric, hydraulic)
- + Perfect system solution in conjunction with TYROLIT Hydrostress drill 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

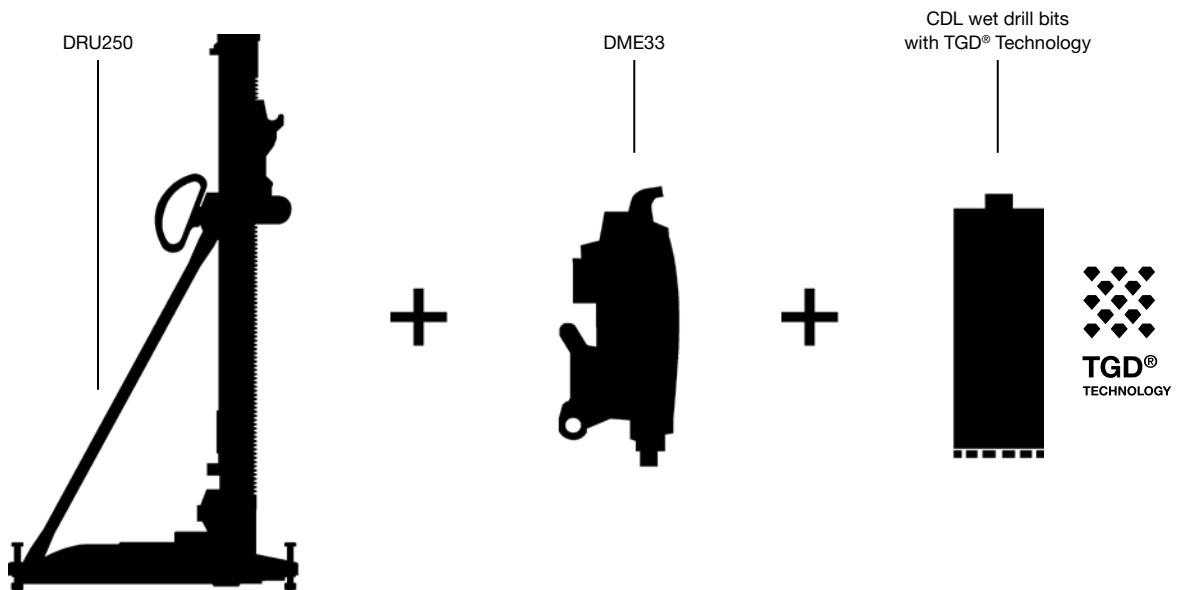
- + Highest levels of performance at peripheral speeds of 2–3 m/s on concrete (1.2–1.8 m/s on reinforced concrete, 3.2–3.8 m/s on very abrasive materials)
- + For core drills with a diameter of 450 mm or more, we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request
- + 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



## TYROLIT Application recommendation Wet drilling



# 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-C2	●	⦿	○		⦿	●	⦿	●	●	⦿
	CDL	●	●	⦿	○	⦿	●	●	●	●	⦿
	CDM	⦿	●	●	⦿	○	●	●	⦿	●	●
	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		
		-2.4 kW	-3.5 kW	>3.5 kW	low	medium	high
★★★ PREMIUM	CDL-C2	●	⦿			⦿	●
	CDL	●	●	○	○	●	●
	CDM	○	●	●	●	●	⦿
	CDXH	○	⦿	●	⦿	●	○
	CDXM	⦿	●	⦿	○	●	⦿
	CD640	⦿	●	⦿	○	●	⦿
	CD660	●	⦿			⦿	●
	CD840	⦿	●	●	⦿	●	●
★★ STANDARD	CDL	⦿	⦿	○	○	⦿	⦿
	CDM	○	⦿	●	⦿	●	○
★ BASIC	B1	⦿	⦿		○	⦿	⦿

#### Suitability

Optimal	●
Good	⦿
Acceptable	○
Not suitable	



## CDL Wet drill bits

for reinforced concrete | in TGD®-Technology (from Ø 47 mm)

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



- + **Very long lifetime.**

Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Quality tools for the most demanding applications and maximum economic

efficiency. Excellent and consistent performance, universal use and smooth core removal. Segment-ed drill from Ø 47 mm with TGD®


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




### CDL Wet drill bits

for reinforced concrete | in TGD®-Technology (from Ø 47 mm)



	Type no.	Dimension	Segment height
	HOHL3		
	497349	12x400xR½"	7
	854317	14x400xR½"	7
	474990	15x400xR½"	7
	474991	16x400xR½"	7
	474993	18x400xR½"	7
	474995	20x400xR½"	7
	474997	22x400xR½"	7
	475000	24x400xR½"	7
	475009	25x400xR½"	7
	475010	28x400xR½"	7
	475011	30x400xR½"	7
	475012	32x400xR½"	7
	500072	35x450xR½"	7
	475014	37x450xR½"	7
	475015	40x450xR½"	7
475016	42x450xR½"	7	



	Type no.	Dimension	Segment height	
	HOHL1	34178733	47x450x1¼"	11,3
		34067834	52x450x1¼"	11,3
		34170724	57x450x1¼"	11,3
		34159556	62x450x1¼"	11,3
		34067836	67x450x1¼"	11,3
		34178734	72x450x1¼"	11,3
		34017777	82x450x1¼"	11,3
		34018473	92x450x1¼"	11,3
		34018475	102x450x1¼"	11,3
		34018477	107x450x1¼"	11,3
		34018478	112x450x1¼"	11,3
		34018480	117x450x1¼"	11,3
		34018511	122x450x1¼"	11,3
		34018513	127x450x1¼"	11,3
		34018514	132x450x1¼"	11,3
		34018517	142x450x1¼"	11,3
		34017778	152x450x1¼"	11,3
		34018520	162x450x1¼"	11,3
		34018523	172x450x1¼"	11,3
		34018525	182x450x1¼"	11,3
		34018528	192x450x1¼"	11,3
		34017779	202x450x1¼"	11,3
		34018530	212x450x1¼"	11,3
		34018533	250x450x1¼"	11,3
		711267	300x450x1¼"	11,3
		711268	350x450x1¼"	11,3
		711269	400x450x1¼"	11,3
		711270	450x450x1¼"	11,3
		711272	500x450x1¼"	11,3
		34072174	52x500xPIXIE	11,3
		34072175	62x500xPIXIE	11,3
		34072176	72x500xPIXIE	11,3
		34018370	82x500xPIXIE	11,3
	34018474	92x500xPIXIE	11,3	
	34018476	102x500xPIXIE	11,3	
	34018479	112x500xPIXIE	11,3	
	34018512	122x500xPIXIE	11,3	
	34018515	132x500xPIXIE	11,3	
	34018516	138x500xPIXIE	11,3	
	34018518	142x500xPIXIE	11,3	
	34018519	152x500xPIXIE	11,3	
	34018521	162x500xPIXIE	11,3	
	34018524	172x500xPIXIE	11,3	
	34018526	182x500xPIXIE	11,3	
	34018527	186x500xPIXIE	11,3	
	34018529	202x500xPIXIE	11,3	
	34018531	226x500xPIXIE	11,3	
	34018534	250x500xPIXIE	11,3	

For core drills with a diameter of 450 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 (from Ø 82 mm)



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

core removal. Segmented drill from Ø 82 mm with TGD®-Technology and segment height of 11.3 mm. Laser welded segments up to a Ø 300 mm for maximum safety.



HOHL1

Type no.	Dimension	Segment height
34018536	82x500xPIXIE	11,3
34018538	92x500xPIXIE	11,3
34018539	102x500xPIXIE	11,3
34018542	107x500xPIXIE	11,3
34018543	112x500xPIXIE	11,3
34018544	122x500xPIXIE	11,3
34018546	127x500xPIXIE	11,3
34018547	132x500xPIXIE	11,3
34018549	138x500xPIXIE	11,3
34018550	142x500xPIXIE	11,3
34018551	152x500xPIXIE	11,3
34018553	162x500xPIXIE	11,3
34018554	172x500xPIXIE	11,3
34018555	182x500xPIXIE	11,3
34018556	186x500xPIXIE	11,3
34018557	202x500xPIXIE	11,3
34018559	226x500xPIXIE	11,3
34018560	250x500xPIXIE	11,3
34018537	82x450x1¼"	11,3
34018540	102x450x1¼"	11,3
34018545	122x450x1¼"	11,3
34018548	132x450x1¼"	11,3
34018552	152x450x1¼"	11,3
34018558	202x450x1¼"	11,3
34018561	250x450x1¼"	11,3



### CDM Wet drill bits for reinforced concrete | in TGD®-Technology (from Ø 82 mm)



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

core removal. Segmented drill from Ø 82 mm with TGD®-Technology and segment height of 11.3 mm. Laser welded segments up to a Ø 300 mm for maximum safety.



HOHL1D


Type no.	Dimension	Segment height
606482	47x450x1¼"	8,5
606527	52x450x1¼"	8,5
606530	57x450x1¼"	8,5
606485	62x450x1¼"	8,5
606536	67x450x1¼"	8,5
606541	72x450x1¼"	8,5

● = low

● = medium

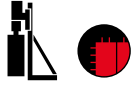




		Type no.	Dimension	Segment height
	HOHL1	34223152	77x450x1¼"	11,3
		34018562	82x450x1¼"	11,3
		34018564	92x450x1¼"	11,3
		34018566	102x450x1¼"	11,3
		34018568	107x450x1¼"	11,3
		34018569	112x450x1¼"	11,3
		34018571	117x450x1¼"	11,3
		34018572	122x450x1¼"	11,3
		34018574	125x450x1¼"	11,3
		34018575	127x450x1¼"	11,3
		34018576	132x450x1¼"	11,3
		34018579	142x450x1¼"	11,3
		34018584	152x450x1¼"	11,3
		34018587	162x450x1¼"	11,3
		34018589	172x450x1¼"	11,3
		34018601	182x450x1¼"	11,3
		34018604	192x450x1¼"	11,3
		34018605	202x450x1¼"	11,3
		34018607	212x450x1¼"	11,3
		34018608	225x450x1¼"	11,3
34018610	250x450x1¼"	11,3		
		711343	300x450x1¼"	11,3
		711344	350x450x1¼"	11,3
		711347	400x450x1¼"	11,3
		711348	450x450x1¼"	11,3
		711349	500x450x1¼"	11,3




### CDXH Wet drill bits for reinforced concrete



Drill motors over 3.5 kW | hard to very hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

	Type no.	Dimension	Segment height	
	HOHL1D	34196019	52x450x1¼"	11,3
		34196061	57x450x1¼"	11,3
		34196063	62x450x1¼"	11,3
		34196069	72x450x1¼"	11,3
		34167000	82x450x1¼"	11,3
		34167261	92x450x1¼"	11,3
		34167263	102x450x1¼"	11,3
		34167267	112x450x1¼"	11,3
		34167281	122x450x1¼"	11,3
		34167283	127x450x1¼"	11,3
		34167287	132x450x1¼"	11,3
		34167292	152x450x1¼"	11,3
		34167294	158x450x1¼"	11,3
		34167296	162x450x1¼"	11,3
		34167302	182x450x1¼"	11,3
		34167311	202x450x1¼"	11,3
		34167319	250x450x1¼"	11,3
	34196074	300x450x1¼"	11,3	




### CDXM Wet drill bits for reinforced concrete



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

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


	Type no.	Dimension	Segment height	
	HOHL1D	34331923	47x450x1¼"	11,3
		34206525	52x450x1¼"	11,3
		34331924	57x450x1¼"	11,3
		34206526	62x450x1¼"	11,3
		34206527	67x450x1¼"	11,3
		34206528	72x450x1¼"	11,3
		34206529	77x450x1¼"	11,3
		34167814	82x450x1¼"	11,3
		34167816	87x450x1¼"	11,3
		34167819	92x450x1¼"	11,3
		34409913	96x450x1¼"	11,3
		34167831	102x450x1¼"	11,3

● = medium

● = high





		Type no.	Dimension	Segment height
	HOHL1D	34167833	107x450x1¼"	11,3
		34167835	112x450x1¼"	11,3
		34167837	117x450x1¼"	11,3
		34167839	122x450x1¼"	11,3
		34167841	127x450x1¼"	11,3
		34167843	132x450x1¼"	11,3
		34167845	142x450x1¼"	11,3
		34167847	152x450x1¼"	11,3
		34167849	158x450x1¼"	11,3
		34167851	162x450x1¼"	11,3
		34167853	167x450x1¼"	11,3
		34167855	172x450x1¼"	11,3
		34167857	182x450x1¼"	11,3
		34167859	187x450x1¼"	11,3
		34167861	192x450x1¼"	11,3
		34167863	202x450x1¼"	11,3
		34167865	212x450x1¼"	11,3
		34167867	225x450x1¼"	11,3
		34167869	240x450x1¼"	11,3
		34167873	250x450x1¼"	11,3




### CD840 Wet drill bits for reinforced concrete



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

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

		Type no.	Dimension	Segment height
	HOHL1D	34235150	82x450x1¼"	11,3
		34235193	92x450x1¼"	11,3
		34233042	102x450x1¼"	11,3
		34235146	107x450x1¼"	11,3
		34239079	112x450x1¼"	11,3
		34235690	117x450x1¼"	11,3
		34239092	122x450x1¼"	11,3
		34235147	127x450x1¼"	11,3
		34235149	132x450x1¼"	11,3
		34239094	142x450x1¼"	11,3
		34233043	152x450x1¼"	11,3
		34239095	162x450x1¼"	11,3
		34239096	172x450x1¼"	11,3
		34239097	182x450x1¼"	11,3
		34233045	202x450x1¼"	11,3
		34239999	212x450x1¼"	11,3

● = medium



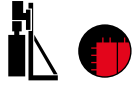




★★★  
PREMIUM



### CD840 Wet drill bits for reinforced concrete



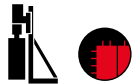
HOHL1D

Type no.	Dimension	Segment height
34240000	250x450x1¼"	11,3
34240001	300x450x1¼"	11,3
34240003	350x450x1¼"	11,3
34240004	400x450x1¼"	11,3
34240005	450x450x1¼"	11,3
34240006	500x450x1¼"	11,3

★★★  
PREMIUM



### CD640 Wet drill bits for reinforced concrete



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

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




HOHL1D

Type no.	Dimension	Segment height
34239204	47x450x1¼"	11,3
34235195	52x450x1¼"	11,3
34239032	57x450x1¼"	11,3
34239056	62x450x1¼"	11,3
34235196	67x450x1¼"	11,3
34239057	72x450x1¼"	11,3
34239058	82x450x1¼"	11,3
34239059	92x450x1¼"	11,3
34233006	102x450x1¼"	11,3
34239060	107x450x1¼"	11,3
34239071	112x450x1¼"	11,3
34239072	122x450x1¼"	11,3
34447504	125x450x1¼"	11,3
34239073	127x450x1¼"	11,3
34239074	132x450x1¼"	11,3
34239075	142x450x1¼"	11,3
34233007	152x450x1¼"	11,3
34239076	162x450x1¼"	11,3
34239077	172x450x1¼"	11,3
34239078	182x450x1¼"	11,3
34233008	202x450x1¼"	11,3
34239991	212x450x1¼"	11,3
34297991	225x450x1¼"	11,3
34239992	250x450x1¼"	11,3
34239993	300x450x1¼"	11,3
34239994	350x450x1¼"	11,3

● = medium

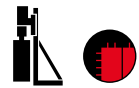




		Type no.	Dimension	Segment height
	HOHL1D	34239995	400x450x1¼"	11,3
		34239996	450x450x1¼"	11,3
		34239997	500x450x1¼"	11,3
		34471403	600x450x1¼"	11,3




### CD660 Wet drill bits for reinforced concrete



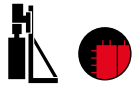
Drill motors up to 2.5 kW | soft concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

		Type no.	Dimension	Segment height
	HOHL1D	34239202	47x450x1¼"	11,3
		34238995	52x450x1¼"	11,3
		34238996	57x450x1¼"	11,3
		34238997	62x450x1¼"	11,3
		34238998	67x450x1¼"	11,3
		34238999	72x450x1¼"	11,3
		34239203	75x450x1¼"	11,3
		34239000	82x450x1¼"	11,3
		34239011	92x450x1¼"	11,3
		34233009	102x450x1¼"	11,3
		34239012	107x450x1¼"	11,3
		34239013	112x450x1¼"	11,3
		34239015	122x450x1¼"	11,3
		34239017	127x450x1¼"	11,3
		34239021	132x450x1¼"	11,3
		34239023	142x450x1¼"	11,3
		34233010	152x450x1¼"	11,3
		34239027	162x450x1¼"	11,3
		34239029	172x450x1¼"	11,3
		34239030	182x450x1¼"	11,3
		34233012	202x450x1¼"	11,3
		34239984	212x450x1¼"	11,3
		34239985	250x450x1¼"	11,3
		34239986	300x450x1¼"	11,3
		34239987	350x450x1¼"	11,3
		34239988	400x450x1¼"	11,3
34239989	450x450x1¼"	11,3		
34239990	500x450x1¼"	11,3		



### CDL Wet drill bits for reinforced concrete



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

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

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



	Type no.	Dimension	Segment height
HOHL3	475019	32x400xR½"	7
	475024	42x450xR½"	7
HOHL1D	34292638	52x450x1¼"	11,3
	34292640	62x450x1¼"	11,3
	34292816	72x450x1¼"	11,3
	34292820	82x450x1¼"	11,3
	34292821	92x450x1¼"	11,3
	34292823	102x450x1¼"	11,3
	34292824	107x450x1¼"	11,3
	34292826	112x450x1¼"	11,3
	34292827	122x450x1¼"	11,3
	34292828	127x450x1¼"	11,3
	34292829	132x450x1¼"	11,3
	34292830	142x450x1¼"	11,3
	34292831	152x450x1¼"	11,3
	34292832	162x450x1¼"	11,3
	34292833	182x450x1¼"	11,3
34292834	202x450x1¼"	11,3	
34292835	250x450x1¼"	11,3	



### CDM Wet drill bits for reinforced concrete



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

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

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




	Type no.	Dimension	Segment height
HOHL1D	34293083	52x450x1¼"	11,3
	34293087	62x450x1¼"	11,3
	34293089	72x450x1¼"	11,3
	34293111	82x450x1¼"	11,3
	34293115	92x450x1¼"	11,3
	34293116	102x450x1¼"	11,3
	34293120	107x450x1¼"	11,3
	34293122	112x450x1¼"	11,3
	34293124	122x450x1¼"	11,3

● = low

● = medium






		Type no.	Dimension	Segment height
	HOHL1D	34293125	127x450x1¼"	11,3
		34293129	132x450x1¼"	11,3
		34293130	142x450x1¼"	11,3
		34293132	152x450x1¼"	11,3
		34293137	162x450x1¼"	11,3
		34293139	182x450x1¼"	11,3
		34293140	202x450x1¼"	11,3
		34293149	250x450x1¼"	11,3
		34334960	300x450x1¼"	11,3



### CDM Wet drill bits for reinforced concrete | thin-walled



Medium-hard to hard concrete aggregates. Quality tools for everyday use. width from a diameter of 131 mm upwards.  
an impressive drilling speed-lifetime ratio. Universal use, lasting quality.  
2.0 mm segment width up to a diameter of 121 mm and 2.5 mm segment

		Type no.	Dimension	Segment height
	HOHL2	495674	36x350xR½"	7
		495817	41x350xR½"	7
		495818	51x350xR½"	7
		495820	61x350xR½"	7
		495824	71x350xR½"	7
		495826	81x350xR½"	7
		495830	91x350xR½"	7
		495832	101x400xR½"	7
		495833	111x400xR½"	7
		495834	121x400xR½"	7
		495836	131x400xR½"	7
		495838	151x400xR½"	7
		495841	161x400xR½"	7
		495842	171x400xR½"	7
		495843	181x400xR½"	7
		495844	191x400xR½"	7
		495845	201x400xR½"	7

● = medium




## B1 Wet drill bits for reinforced concrete



Drill motors up to 2.5 kW | soft concrete aggregate. Quality tools for every-day use. Segment height of 11.3 mm for improved lifetime.

Laser welded segments up to Ø 300 mm for maximum safety.


	Type no.	Dimension	Segment height	
	HOHL1D	34239241	47x450x1¼"	11,3
		34239244	52x450x1¼"	11,3
		34239245	57x450x1¼"	11,3
		34206245	62x450x1¼"	11,3
		34206246	67x450x1¼"	11,3
		34239181	72x450x1¼"	11,3
		34206248	77x450x1¼"	11,3
		34206249	82x450x1¼"	11,3
		34239183	92x450x1¼"	11,3
		34203877	102x450x1¼"	11,3
		34206261	107x450x1¼"	11,3
		34206262	112x450x1¼"	11,3
		34206263	122x450x1¼"	11,3
		34239093	127x450x1¼"	11,3
		34206265	132x450x1¼"	11,3
		34239186	142x450x1¼"	11,3
		34239187	152x450x1¼"	11,3
		34206267	162x450x1¼"	11,3
		34239188	172x450x1¼"	11,3
		34206269	182x450x1¼"	11,3
	34239189	202x450x1¼"	11,3	
	34240086	212x450x1¼"	11,3	
	34240087	250x450x1¼"	11,3	

● = low

## Accessories wet drill bits

### Adapter




		Type no.	Machine connection	Tool connection
	ADAPT	374035	1¼" Female	R½" Female
		381983	R½" Male	1¼" Male
		462700	HT 1.5 Female	1¼" Male
		681095	HT 2 Female	1¼" Male
		759007	R½" Male	10
		909220	1¼" Female	3-LOCH

## Accessories wet drill bits

### Sharpening plates




		Type no.	Dimension
	SP1	497322	55x25x320
		484627	160x30x320
		484672	320x55x320

## Accessories wet drill bits

### Carrying handle

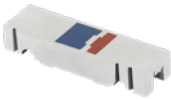


	Type no.	Connection
	34277925	½" / 1¼"

## Accessories wet drill bits

### Brazing magnets




		Type no.	Dimension
	HMAG	529455	56x0.75x1
		529456	56x0.5x1.25

## Accessories wet drill bits

### Extensions




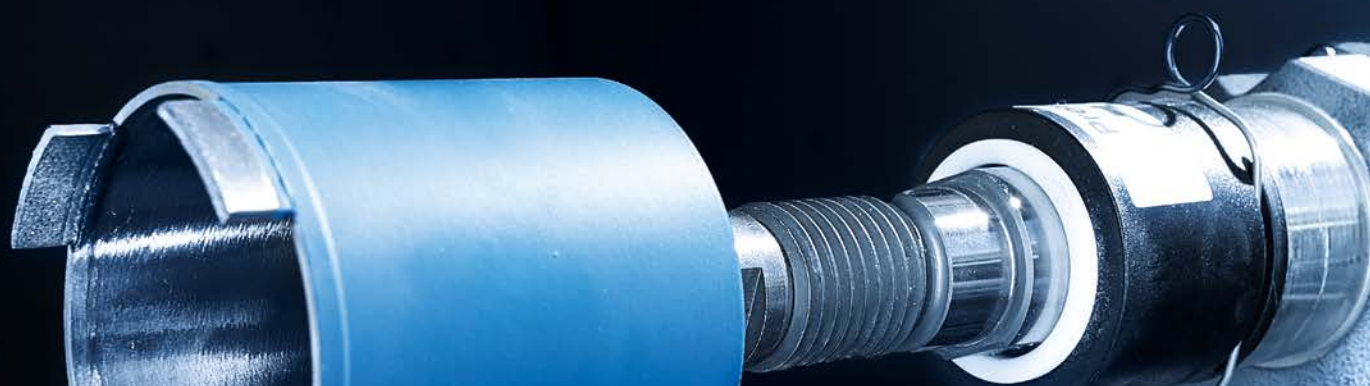
		Type no.	Length	Connection
	HVERL	378198	100	1¼"
		359471	200	1¼"
		359472	300	1¼"
		359473	400	1¼"
		359474	500	1¼"
		400439	100	R½"
		359475	200	R½"
		359476	300	R½"
		889232	400	R½"
		707230	500	R½"

## Accessories wet drill bits

### Water liners



		Type number	Connection	Tool connection
	WSPB	478074	SW12	R½"



## Diamond dry drill bits





## Drill bits for dry drilling

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

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

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

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

## Selecting the right dry drill bit

Plasterboard Cellular concrete Plastic tubes (PVC, PP, PE) Soft fire-resistant bricks Sandstone, porous natural stone Tiles Roof tiles Clinker Fine stoneware	Without hammer operation
Soft sand-lime brick Clay brick Lightweight concrete slabs Woodchip-concrete blocks and slabs Fireclay bricks	Hammer operation recommended (no percussion drills)
Concrete block Hard sand-lime brick Terrazzo Concrete Lightly reinforced concrete	Hammer operation required (no percussion drills)

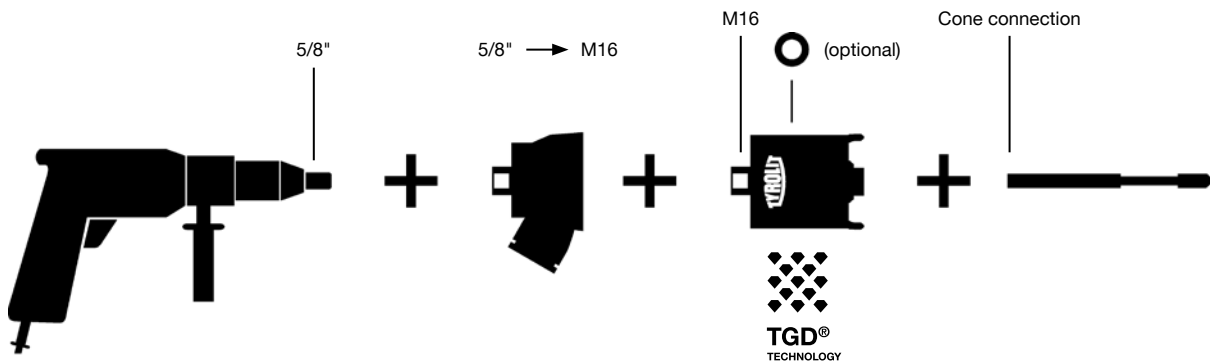
### Service

- + Whole product range ex stock
- + From a diameter of 91 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



## Dry drilling in reinforced concrete

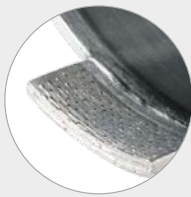
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The TYROLIT dry drilling system is the first commercial system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

### One of a kind

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

### TYROLIT dry drill bits in TGD® Technology

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



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



### Drill motor DME19DP

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



# System & Accessories

## System & Accessories

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

## Accessories

10995373	Centring spike 450 mm
10997916	Centring spike 250 mm
10995661	Centring blade Ø 52 mm
10995662	Centring blade Ø 62 mm
10995663	Centring blade Ø 68 mm
10995664	Centring blade Ø 72 mm
10995665	Centring blade Ø 82 mm
10995666	Centring blade Ø 92 mm
10995667	Centring blade Ø 102 mm
10995668	Centring blade Ø 112 mm
10995669	Centring blade Ø 122 mm
10995670	Centring blade Ø 127 mm
10995671	Centring blade Ø 132 mm
10995672	Centring blade Ø 142 mm
10995673	Centring blade Ø 152 mm
10995674	Centring blade Ø 162 mm
961955	Adapter 1/2" > M16
10994032	Adapter 1 1/4" > M16
10983964	Dust extraction adapter M16
10983845	Centring spike 140 mm
10986189	Centring spike 233 mm
10986190	Strap wrench
497322	Sharpening plate
980304	Chisel 300 x 25 mm
34215616	Abrasive grain for dry drilling
10996089	Dry vacuum cleaner BSS 506 (230 V)

## Accessories

976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar EU
975381	Vacuum hose 3 m complete



## DDL-RM Dry drill bits

for reinforced concrete | in TGD®-Technology

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



- + **Very long lifetime.**


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

for rig-guided dry drilling applications in reinforced concrete.



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



	Type no.	Dimension	Segment height	
	HOHLT	34227784	47x450x1¼"	11,3
		34203041	52x450x1¼"	11,3
		34203212	57x450x1¼"	11,3
		34220540	62x450x1¼"	11,3
		34252978	72x450x1¼"	11,3
		34210273	82x450x1¼"	11,3
		34290041	92x450x1¼"	11,3
		34203220	102x450x1¼"	11,3
		34279921	107x450x1¼"	11,3
		34267610	112x450x1¼"	11,3
		34220543	122x450x1¼"	11,3
		34227727	132x450x1¼"	11,3
		34227728*	142x450x1¼"	11,3
		34227729*	152x450x1¼"	11,3
		34227730*	162x450x1¼"	11,3

\*reinforced concrete is conditionally recommended



### DDL-HH Dry drill bits for universal building materials | in TGD®-Technology



The PREMIUM dry drill bit for hand-guided drilling impresses in many respects. With TGD®-Technology (TYROLIT GRAIN

DISTRIBUTION), a unique technology developed by TYROLIT for the optimised distribution of grain.



	Type no.	Dimension	Segment height
HOHLT	34074200	52x250x1¼"	8
	34074212	62x250x1¼"	8
	34074213	68x250x1¼"	8
	34281952	72x250x1¼"	8
	34074214	82x250x1¼"	8
	34074215	92x250x1¼"	8
	34074216	102x250x1¼"	8
	34074217	107x250x1¼"	8
	34074218	112x250x1¼"	8
	34074219	122x250x1¼"	8
	34074220	127x250x1¼"	8
	34074221	132x250x1¼"	8
	34209801	138x250x1¼"	8
	34074223	142x250x1¼"	8
	34074224	152x250x1¼"	8
	34074225	161x250x1¼"	8
	34281953	172x250x1¼"	8
	34209803	182x250x1¼"	8
	34209804	187x250x1¼"	8
	34209805	202x250x1¼"	8



### DDL Dry drill bits for universal building materials | in TGD®-Technology



The newly developed PREMIUM dry drill bit for hand-guided drilling impresses in many respects. With TGD®-Technology (TYROLIT GRAIN

DISTRIBUTION), a unique technology developed by TYROLIT for the optimised distribution of grain.



	Type no.	Dimension	Segment height
HOHLT	34418318	52x150xM16	8
	34418319	57x150xM16	8
	34418373	62x150xM16	8
	34418379	68x150xM16	8
	34418382	72x150xM16	8
	34418317	82x150xM16	8
	34209085	92x150xM16	8
	34418385	102x150xM16	8
	34418390	107x150xM16	8
	34418402	112x150xM16	8
	34418403	117x150xM16	8
	34418544	122x150xM16	8
	34418565	127x150xM16	8
	34418549	132x150xM16	8
	34418561	142x150xM16	8
	34418563	152x150xM16	8
	34418564	162x150xM16	8




### DDE Dry drill bits

for universal building materials | in TGD®-Technology



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

		Type no.	Dimension	Segment height
	HOHLT	34201286	68x70xM16	11,3
		34201288	82x70xM16	11,3




### DDL Dry drill bits

for universal building materials



Quality tool for daily use, impressive performance and lifetime.


		Type no.	Dimension	Segment height
	HOHLT	899272	32x150xM16	6,5
		899271	42x150xM16	6,5
		252911	52x150xM16	6,5
		252912	56x150xM16	6,5
		252913	62x150xM16	6,5
		252914	68x150xM16	6,5
		252915	72x150xM16	6,5
		252916	82x150xM16	6,5
		252917	92x150xM16	6,5
		252918	102x150xM16	6,5
		252919	107x150xM16	6,5
		34228775	111x150xM16	6,5
		252920	117x150xM16	6,5
		34228776	121x150xM16	6,5
		252921	127x150xM16	6,5
		34228777	131x150xM16	6,5
		34228779	151x150xM16	6,5
		252922	152x150xM16	6,5
		252923	162x150xM16	6,5
		252924	200x150xM16	6,5



## DDL Dry drill bits for universal building materials





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

		Type no.	Dimension	Segment height
	HOHLT	650292	68x70xM16	6,5
		650293	82x70xM16	6,5

## Dry drill bits accessories Compact universal dust extraction system










Dust extraction adapter compatible for dry drill bits with M16 connection

	Type no.	Description	Product info
	10983964	Dust extraction adapter with M16 connection on the tool side and 5/8" connection on the machine side	For attaching industrial vacuum cleaner
	10983845	Centering spike 140 mm	BASIC core drill PREMIUM core drill NL 70 mm
	10986189	Centering spike 233 mm	Core drill PREMIUM NL 150 mm

## Dry drill bits accessories Connections for all common machines



Adapter suitable for all commercial machines - with and without soft impact drill bit connection: M16.

	Type no.	Machine connection	Drill bit connection	Pilot drills / Centering spikes
	707824	5/8" Female	M16 Male	Centering spike 120/233 mm
	850026	5/8" Female	M16 Male	Pilot drill SDS
	116264	HEX SW12 Male	M16 Male	Pilot drill Konus
	707827	HEX SW12 Male	M16 Male	Centering spike 120/233 mm
	850011	HEX SW12 Male	M16 Male	Pilot drill SDS
	707831	SDS Male	M16 Male	Centering spike 120/233 mm
	707834	M18 Female	M16 Male	Centering spike 120/233 mm




## Dry drill bits accessories

### Centring aids




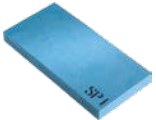
Pilot drill with SDS connection or cone facilitates the precise positioning of walls using 150 mm drill bits. the drill bits and enables exact results.

When using a centring shaft, openings can also be made in 30 cm thick

	Type no.	Description	Product info
	579420	Pilot drill SDS 160 mm	Core drill NL 60/70 mm
	579424	Pilot drill SDS 260 mm	Core drill NL 150 mm
	116263	Pilot drill A-taper 160 mm for adaptor 116264	Core drill NL 60/70 mm
	579503	Centering shaft SDS 250 mm	Core drill NL 150 mm

## Dry drill bits accessories



	Typennummer	Bezeichnung	Produktinfo
<b>Centering spikes</b> 	10999819	Centering spike 120 mm	Connection without dust extraction adapter Core drill NL 60/70 mm
	10983845	Centering spike 140 mm	With dust extraction adaptor 10983964 Core drill NL 60/70 mm
	10986189	Centering spike 233 mm	With dust extraction adaptor 10983964 Core drill NL 150 mm
<b>Abrasive grain</b>	34215616	Drilling Booster	Loose abrasive grain for sharpening during the application
<b>Sharpening plate</b> 	497322		55x25x320
	484627		160x30x320
	484672		320x55x320



## Tile drilling



## DDT Tile drills

for tiles and ceramic materials

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

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



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

TYROLIT vacuum brazed diamond  
coring bit for all ceramic tiles,  
fine stoneware and marble slabs.

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

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

## Tile drilling wet



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







		Type number	Dimension	Segment height	
	HOHLT	34180136	5x35xHEX	4	
		69833	6x35xHEX	4	
		69848	8x35xHEX	4	
		69855	10x35xHEX	4	
		69856	12x35xHEX	4	
		69860	14x35xHEX	4	

## Tile drilling dry

★★★  
PREMIUM

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





		Type number	Dimension	Segment height	
	HOHLT	34251679	6x35xM14	10	
		34251680	8x35xM14	10	
		34251711	10x35xM14	10	
		34251712	12x35xM14	10	
	HOHLT	34393075	5x67xHEX	10	
		34393071	6x67xHEX	10	
		34393072	8x80xHEX	10	
		34393073	10x80xHEX	10	
		34393074	12x80xHEX	10	
		34393076	14x80xHEX	10	

★★★  
PREMIUM

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




		Type number	Dimension	Segment height	
	HOHLT	69769	20x45xM14	4	
		34214903	25x45xM14	4	
		34214904	35x45xM14	4	
		69768	38x45xM14	4	
		34214905	42x45xM14	4	
		69767	52x45xM14	4	
		34369203	54x45xM14	4	
		69766	65x45xM14	4	
		34369204	68x45xM14	4	
		51392	75x45xM14	4	
		34369205	82x45xM14	4	

## Accessories tile drill bits

Adapter M14



	Type No.	Machine connection	Pilot drills
	69774	SDS	Pilot drill Konus
	69801	HEX	Pilot drill Konus

## Tile drill sets

★★★  
PREMIUM

### DDT Tile drill-set HEX Ø 5-14 for tiles and ceramic materials



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

★★★  
PREMIUM

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



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

★★★  
PREMIUM

### DDT Tile drill-Kit HEX for tiles and ceramic materials



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

★★★  
PREMIUM

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



Type No.	Content
HOHLT 34229331	Tile drills Ø 20, 25, 35, 38, 42, 52, 65, 75 mm Adapter M14/HEX, M14/SDS Allen key Pilot drill 7x110 Open ended spanner SW19



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



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



### DDT Tile drill-set XL for tiles and ceramic materials



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





























# Core drill systems




# Selecting guide for core drill systems

	Power in kW	Application	Drill diameter range in mm	Drill rig recommendation	
 DME19DP	1,8	 	52	162	 DRU160
 DME17DP	2,0	 	30	200	 DRU160
 DME22SU	2,2	  	20	180	 DRA150
 DME20PU	2,0	  	15	180	 DRU160
 DME20PW	2,0	 	15	180	 DRU160
 DRS162	2,5		40	160	Integrated











 wet

 dry

 also handheld





	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DRS250	2,5		50	250	Integrated
 DME24MW, DME24UW	2,2		40	250	 DRU250  DRA250
 DME33MW, DME33UW	3,3		50	450	 DRU400  DRA400



wet



dry



also handheld



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

● available / suitable

★★★  
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## Drill motor DME19DP

Core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

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

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

# System & Accessories

## Technical data

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

## Dimensions & Weight

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

## Accessories

976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete

## System & Accessories

Drill motor DME19DP	
10990100	Dry drill rig DRU160
10995437	Centering device for DRU160
10995156	Core stop ½"
10995087	ModulDrill™ clamping collar plate
10996089	Vacuum cleaner BSS 506

## Accessories

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

★★★  
PREMIUM

## Drill motor DME17DP

Core drilling up to Ø 200 mm



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



Integrated dust extraction for a clean working environment



Can be hand-held or drill-rig guided

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

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

# System & accessories

## Technical data

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

## Dimensions & weight

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

## System & accessories

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

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



★★  
STANDARD

## Drill motor DME22SU

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

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

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

# System & Accessories

## Technical data

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

## Dimensions & Weight

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

## System & Accessories

Core drilling system with DRU160 Drill rig	
10993027	Electric drill motor DME22SU
10987400	Drill rig DRU160
977619	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 DME20PW | DME20PU

Core drilling up to Ø 180 mm



Performance and service indicator as well as levelling aid



Compact and ergonomic design



Quick changeover between wet and dry drilling with DME20PU

The DME20 drill motor provides impressive drilling performance in the power range up to 2 kW. The mechanical and electronic overload cut-out and the full metal housing ensure high reliability. Built-in performance

and service indicators, as well as the levelling aid, also enable easy operation. The drill motor is suitable for universal use and covers a wide variety of application areas: manual/drill-rig guided and wet/dry (DME20PU).

# System & Accessories

## Technical data

Drill motors	DME20PW		DME20PU	
	Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz
Type no.	10992077	10992078	10992079	10992080
Drill diameter range	15–180 mm			
Nominal power	2.0 kW			
Nominal current	9.5 A	18 A	9.5 A	18 A
Load speed	520/1 400/2 900 rpm			
No load speed	830/2 200/4 600 rpm			
Motor cooling	Air			
Tool attachment (external)	1 ¼"			
Tool attachment (internal)	½"			
Operation	Hand-held / rig-based			
Application	Wet		Wet	
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•			
Performance indicator	•			
Service indicator	•			
Drill rig attachment	Clamping collar 60 mm			

## Dimensions & Weight

Length	435 mm	450 mm
Width	115 mm	
Height	300 mm	
Weight	6.3 kg	6.5 kg

## System & Accessories

Core drilling system with DRU160 Drill rig	
10992077	Electric drill motor DME20PW
10992079	Electric drill motor DME20PU
10987400	Drill rig DRU160
976014	Vakuum set
984035	Vakuum pump CV 45 l/min, 0.8 bar EU
975381	Vakuum hose 3 m complete

## 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
10996327	Centering spike 250–300 mm
10996328	Centering spike 400–450 mm
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984	Supporting ring alum. 1 ¼"

★★★  
PREMIUM

## Drill motors DME24MW | DME24UW

Core drilling up to Ø 250 mm



Especially compact and light



Performance and service indicator, as well as levelling aid



Time saving drill rig mounting via ModulDrill™ quick change clamping system

The low weight and extremely compact size are the highlights of the DME24 and ensure perfect handling. The mechanical and electronic overload cut-out and the full metal housing ensure high reliability. Built-in

performance and service indicators, as well as the levelling aid, also enable easy operation. The drill motor is available with different drill rig attachments (ModulDrill™ quick clamping system or universal plate).

# System & Accessories

## Technical data

Drill motors	DME24MW		DME24UW	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	10992081	10992082	10992083	10992084
Drill diameter range	40–250 mm			
Nominal power	2.2 kW			
Nominal current	10 A	20 A	10 A	20 A
Load speed	370/590/990 rpm			
No load speed	710/1 130/1 900 rpm			
Motor cooling	Air			
Tool attachment (external)	1 ¼"			
Tool attachment (internal)	½"			
Operation	Rig-based			
Application	Wet			
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•			
Performance indicator	•			
Service indicator	•			
Drill rig attachment	ModulDrill™	Universal plate		
<b>Dimensions &amp; Weight</b>				
Length	465 mm			
Width	115 mm			
Height	175 mm	155 mm		
Weight	7.6 kg	7.7 kg		

## System & Accessories

Core drilling system with DRA250 (Steel dowel foot)	
10992081	Electric drill motor DME24MW
10987500	Drill rig DRA250
977619	Fastening bolt assembly
Core drilling system with DRU250 (Alu. dowel-vacuum foot)	
10992081	Electric drill motor DME24MW
10984500	Drill rig DRU250
960795	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975381	Vacuum hose 3 m complete
Accessories	
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 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
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984	Supporting ring alum. 1 ¼"

★★★  
PREMIUM

## Drill motors DME33MW | DME33UW

Core drilling up to Ø 450 mm



Large drilling diameter range up to 450 mm



Performance and service indicator as well as levelling aid



Practical carrying handle

Thanks to optimum torque adjustment, the DME33 is an extremely powerful drill motor providing impressive productivity. The mechanical and electronic overload cut-out and the full metal housing ensure high reliability.

Built-in performance and service indicators, as well as the levelling aid, also enable easy operation. The drill motor is available with different drill rig attachments (ModulDrill™ quick clamping system or universal plate).

# System & Accessories

## Technical data

Drill motors	DME33MW		DME33UW	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	10992085	10992086	10992087	10992088
Drill diameter range	50–450 mm			
Nominal power	3.3 kW			
Nominal current	15.9 A	30 A	15.9 A	30 A
Load speed	180/430/750 rpm			
No load speed	360/820/1 240 rpm			
Motor cooling	Air			
Tool attachment (external)	1 ¼"			
Operation	Rig-based			
Application	Wet			
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•			
Performance indicator	•			
Service indicator	•			
Drill rig attachment	ModulDrill™	Universal plate		

## Dimensions & Weight

Length	575 mm		
Width	145 mm		
Height	185 mm	180 mm	
Weight	13.7 kg	13.6 kg	

## System & Accessories

### Core drilling system with DRA400 (Steel dowel foot)

10992085	Electric drill motor DME33MW
10987600	Drill rig DRA400
964906	ModulDrill™-Distance plate Ø +180 mm
977619	Fastening bolt assembly

### Core drilling system with DRU400 (Alu. dowel-vacuum foot)

10992085	Electric drill motor DME33MW
10984600	Drill rig DRU400
977368	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975381	Vacuum hose 3 m complete

### 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	Adaptor 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
10992646	Easy release element



★★  
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
10991465	Water tank 10 l
10993961	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose complete 3 m

★★  
STANDARD

## 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

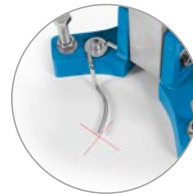
Core drilling system DRS250	
10999880	Core drilling system DRS250 / 230 V (dowel feet)
10993966	Fastening bolt assembly

Accessories	
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l
975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose complete 3 m
11000617	Trolley chassis DRS250

★★  
STANDARD

## Drill rig DRA150

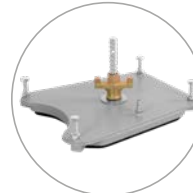
Core drilling up to Ø 152 mm



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
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m komplett
10993964	Water retention ring complete Ø 152 mm
10993965	Gasket Ø 152 mm
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l

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## 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
10992077	Electric drill motor DME20PW
976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975381	Vacuum hose 3 m complete

## System & Accessories

Accessories	
976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar 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
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry), for vacuum base
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
10991465	Water tank 10 l



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PREMIUM

## Drill rigs DRA250 | DRU250

Core drilling up to Ø 250 mm



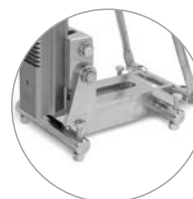
ModulDrill™ quick change clamping system – quick, easy and safe drill motor attachment



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
10992081	El. drill. motor DME24MW
977619	Fastening bolt assembly

### Accessories DRA250

975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar 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
977619	Fastening bolt assembly (concrete)
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

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

10984500	Drill rig DRU250
10992081	Electric drill motor DME24MW
960795	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975381	Vacuum hose 3 m complete

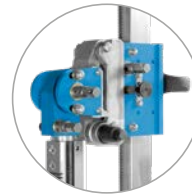
### Accessories DRU250

960795	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar 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
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry), for vacuum base
977464	ModulDrill™ mounting plate
10988902	Water retention ring complete $\varnothing$ 200 mm
960785	Water retention ring holder, with centering device
960693	Gasket $\varnothing$ 200 mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l



## Core drilling system DRU350

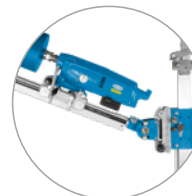
Core drilling up to  $\varnothing$  350 mm



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



Quick assembly and disassembly thanks to innovative telescope clamping system



Easy diagonal drilling due to intelligent design

Thanks to its intelligent design with drilling and gripping column that can be rotated by 360°, the DRU350 enables the drilling of holes in walls, ceilings and floors. The drill rig can be mounted in a time saving and

material protecting manner via an innovative telescope clamping system. Various settings options, an extended drilling column and a variety of drill accessories ensure universal use.

# System & Accessories



## Technical data

### Drill rig DRU350

Drill diameter range	50–260 mm
Max. drill diameter with distance plate 180 mm	350 mm
Max. drill bit length	760 mm

### Design

Aluminium dowel foot
Telescopic clamping system
Two-speed feed gearbox $i=1:1$ & $i=1:3.5$
Feed using hand crank
Angular adjustment $0^{\circ}$ – $180^{\circ}$
Drilling and gripping column, rotatable by $360^{\circ}$
Included undercarriage
Adjustable feet
Adjustable interchangeable precision guides
1 handle
ModulDrill™ quick release clamping system

### Dimensions & Weight

Length	380 mm
Width	250 mm
Height	1 860 mm
Weight	48 kg

## System & Accessories

### Core drilling system DRU350

10984112	Drill rig DRU350
10992085	Electric drill motor DME33MW
964906	ModulDrill™ distance plate $\varnothing +180$ mm

### Accessories

10984542	1 m column extension
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



## Drill rigs DRA400 | DRU400

Core drilling up to Ø 400 mm



Easily adjustable and interchangeable low wear roller guide



Easy diagonal drilling thanks to angle indicator



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

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

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

# System & Accessories



## Technical data

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

\* with vacuum fixing

## Design

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

## Dimensions & Weight

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

## System recommendation

### Core drilling system with DRU400

10984600	Drill rig DRU400
10992085	El.drill. motor DME33MW
977368	Vacuum plate
984035	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz EU
975381	Vacuum hose 3 m complete

### Accessories DRU400

977368	Vacuum plate
984035	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz EU
975372	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz 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
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry), for vacuum base
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
10988898	Water retention ring complete $\varnothing 250$ mm
977438	Water retention ring holder complete
977447	Gasket $\varnothing 250$ mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

### Core drilling system with DRA400

10987600	Drill rig DRA400
10992085	Electric drill motor DME33MW
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977619	Fastening bolt assembly dowel feet

### Accessories DRA400

975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz EU
975372	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz 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
977619	Fastening bolt assembly concrete dowel feet
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l





# Floor grinding

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## Reliable Products for grinding and removing

TYROLIT offers complete system solutions for the perfect grinding of concrete floors and for removing stubborn surface coatings. The system components are available in scaled grain variants and can be combined easily and flexibly according to the surface: from rough to fine grinding work. Due to the special tool changing system, tools can be fitted

or swapped out easily and safely, in next to no time.

Our tools with ETX1 fixture can be used universally with all TYROLIT floor grinders in the range. Additionally, the tools are available with EZchange™ tool change system for HTC floor grinders, with Redi Lock® change system for Husqvarna floor

grinders, or as an ETX1 + ETX2 Version for Schwamborn floor grinders.

In order to guarantee a perfect grinding result for all concrete floors, a special line was developed for each hardness of concrete. In addition, we also offer a special product line for removing stubborn surface coatings.



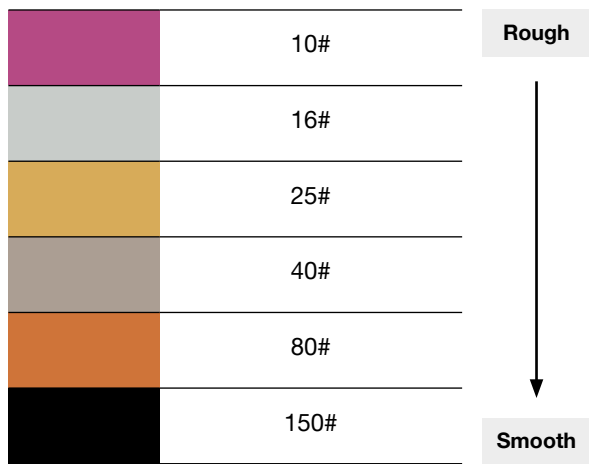
S-Line	M-Line	H-Line	X-Line	C-Line
for grinding soft concrete	for grinding moderately hard concrete	for grinding hard concrete	for grinding extremely hard concrete	for removing surface coatings
barrel-shaped segment	block-shaped segment	WM-segment	W-segment	block-shaped segment

Floor grinding

# Floor grinding tools

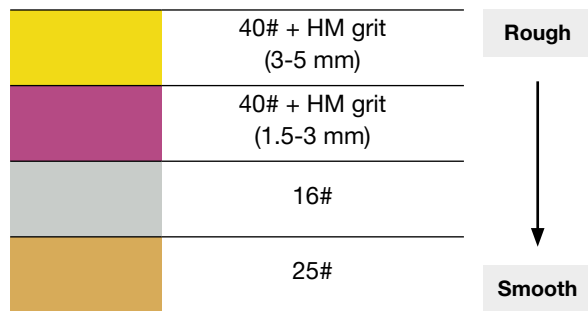
## S-Line, M-Line, H-Line & X-Line

Not only does TYROLIT divide the floor grinding tools according to the hardness level of the concrete, additionally, we also distinguish between a very smooth and a rough concrete application. The various colours of the floor grinding tools signify different grain sizes.



## C-Line

The C-Line, or Cleaning Program, differentiates a very smooth and a rough concrete application. The various colours of the floor grinding tools signify different grain sizes.



The floor grinding tools from the Cleaning Program are available as single- and partially as double segments.

The floor grinding tools for concrete processing are available as single- or double segments. The latter have a longer lifetime.



Single segment, H-Line, ETX1 fixture, grain size 40#



Double segment, H-Line, ETX1 fixture, grain size 40#



Single segment, C-Line, ETX1 fixture, grain size 40# + HM grit (3-5 mm)



Double segment, C-Line, ETX1 fixture, grain size 40# + HM grit (3-5 mm)

# S-Line

For soft concrete and abrasive materials

Soft concrete, asphalt and other porous materials are very aggressive on tools and reduce their lifetime. The TYROLIT S-Line grinding tools are specially tuned for this application.

## Sample pictures:



Single segment, S-Line,  
ETX1 fixture, grain size 16#



Double segment, S-Line,  
ETX1 fixture, grain size 16#

### TYROLIT + Schwamborn ETX1

Type number	Segments	Line	Grain size	Segment height
34392943	Single	S1	16#	12
34393033	Single	S2	25#	12
34393035	Single	S3	40#	12
34393037	Single	S4	80#	12
34393039	Single	S5	150#	12
34392944	Double	S1	16#	12
34393034	Double	S2	25#	12
34393036	Double	S3	40#	12
34393038	Double	S4	80#	12
34393040	Double	S5	150#	12

### Schwamborn ETX2

Type number	Segments	Line	Grain size	Segment height
34393811	Single	S1	16#	12
34393813	Single	S2	25#	12
34393815	Single	S3	40#	12
34393817	Single	S4	80#	12
34393819	Single	S5	150#	12
34393812	Double	S1	16#	12
34393814	Double	S2	25#	12
34393816	Double	S3	40#	12
34393818	Double	S4	80#	12
34393820	Double	S5	150#	12

### HTC EZchange™

Type number	Segments	Line	Grain size	Segment height
34362899	Single	S1	16#	12
34355774	Single	S2	25#	12
34362911	Single	S3	40#	12
34355777	Single	S4	80#	12
34362916	Single	S5	150#	12
34362918	Double	S1	16#	12
34355776	Double	S2	25#	12
34362919	Double	S3	40#	12
34355779	Double	S4	80#	12
34362917	Double	S5	150#	12

### Husqvarna REDI LOCK®

Type number	Segments	Line	Grain size	Segment height
34362900	Single	S1	16#	12
34362913	Single	S2	25#	12
34362912	Single	S3	40#	12
34362914	Single	S4	80#	12
34362915	Single	S5	150#	12
34362970	Double	S1	16#	12
34362991	Double	S2	25#	12
34362992	Double	S3	40#	12
34362993	Double	S4	80#	12
34362994	Double	S5	150#	12

# M-Line

For medium hard concrete

## Sample pictures:



Single Segment, M-Line,  
ETX1 fixture, grain size 25#



Double Segment, M-Line,  
ETX1 fixture, grain size 25#

### TYROLIT + Schwamborn ETX1

Type number	Segments	Line	Grain size	Segment height
34393226	Single	M0	10#	10
34393228	Single	M1	16#	10
34393230	Single	M2	25#	10
34393232	Single	M3	40#	10
34393234	Single	M4	80#	10
34393236	Single	M5	150#	10
34393227	Double	M0	10#	10
34393229	Double	M1	16#	10
34393231	Double	M2	25#	10
34393233	Double	M3	40#	10
34393235	Double	M4	80#	10
34393237	Double	M5	150#	10

### Schwamborn ETX2

Type number	Segments	Line	Grain size	Segment height
34393821	Single	M0	10#	10
34393823	Single	M1	16#	10
34393825	Single	M2	25#	10
34393827	Single	M3	40#	10
34393829	Single	M4	80#	10
34393831	Single	M5	150#	10
34393822	Double	M0	10#	10
34393824	Double	M1	16#	10
34393826	Double	M2	25#	10
34393828	Double	M3	40#	10
34393830	Double	M4	80#	10
34393832	Double	M5	150#	10

### HTC EZchange™

Type number	Segments	Line	Grain size	Segment height
34362920	Single	M0	10#	10
34362921	Single	M1	16#	10
34355780	Single	M2	25#	10
34362922	Single	M3	40#	10
34355784	Single	M4	80#	10
34362923	Single	M5	150#	10
34362924	Double	M0	10#	10
34362925	Double	M1	16#	10
34355782	Double	M2	25#	10
34362926	Double	M3	40#	10
34355785	Double	M4	80#	10
34362927	Double	M5	150#	10

### Husqvarna REDI LOCK®

Type number	Segments	Line	Grain size	Segment height
34362995	Single	M0	10#	10
34362996	Single	M1	16#	10
34362997	Single	M2	25#	10
34362999	Single	M3	40#	10
34363000	Single	M4	80#	10
34363002	Single	M5	150#	10
34363004	Double	M0	10#	10
34363006	Double	M1	16#	10
34363007	Double	M2	25#	10
34363008	Double	M3	40#	10
34363010	Double	M4	80#	10
34363013	Double	M5	150#	10

# H-Line

For hard concrete

Well suitable for natural stone, marble and terrazzo.

## Sample pictures:



Single segment, H-Line,  
ETX1 fixture, grain size 40#



Double segment, H-Line,  
ETX1 fixture, grain size 40#

## TYROLIT + Schwamborn ETX1

Type number	Segments	Line	Grain size	Segment height
34393238	Single	H0	10#	10
34393240	Single	H1	16#	10
34393242	Single	H2	25#	10
34393244	Single	H3	40#	10
34393246	Single	H4	80#	10
34393248	Single	H5	150#	10
34393239	Double	H0	10#	10
34393241	Double	H1	16#	10
34393243	Double	H2	25#	10
34393245	Double	H3	40#	10
34393247	Double	H4	80#	10
34393249	Double	H5	150#	10

## Schwamborn ETX2

Type number	Segments	Line	Grain size	Segment height
34393833	Single	H0	10#	10
34393835	Single	H1	16#	10
34393837	Single	H2	25#	10
34393839	Single	H3	40#	10
34393841	Single	H4	80#	10
34393843	Single	H5	150#	10
34393834	Double	H0	10#	10
34393836	Double	H1	16#	10
34393838	Double	H2	25#	10
34393840	Double	H3	40#	10
34393842	Double	H4	80#	10
34393844	Double	H5	150#	10

## HTC EZchange™

Type number	Segments	Line	Grain size	Segment height
34362928	Single	H0	10#	10
34362951	Single	H1	16#	10
34355787	Single	H2	25#	10
34362953	Single	H3	40#	10
34355802	Single	H4	80#	10
34362954	Single	H5	150#	10
34362955	Double	H0	10#	10
34362957	Double	H1	16#	10
34355790	Double	H2	25#	10
34362959	Double	H3	40#	10
34355804	Double	H4	80#	10
34362960	Double	H5	150#	10

## Husqvarna REDI LOCK®

Type number	Segments	Line	Grain size	Segment height
34363015	Single	H0	10#	10
34363017	Single	H1	16#	10
34363019	Single	H2	25#	10
34363020	Single	H3	40#	10
34362408	Single	H4	80#	10
34363021	Single	H5	150#	10
34363025	Double	H0	10#	10
34363026	Double	H1	16#	10
34363027	Double	H2	25#	10
34363029	Double	H3	40#	10
34362409	Double	H4	80#	10
34363030	Double	H5	150#	10

# X-Line

For extremely hard concrete

Grinding extremely hard concrete can be challenging. The X-Line excels especially in these situations.

**Sample pictures:**



Single segment, X-Line, ETX1 fixture, grain size 150#



Double segment, X-Line, ETX1 fixture, grain size 150#

## TYROLIT + Schwamborn ETX1

Type number	Segments	Line	Grain size	Segment height
34393250	Single	X1	16#	11
34393262	Single	X2	25#	11
34393264	Single	X3	40#	11
34393267	Single	X4	80#	11
34393269	Single	X5	150#	11
34393261	Double	X1	16#	11
34393263	Double	X2	25#	11
34393265	Double	X3	40#	11
34393268	Double	X4	80#	11
34393270	Double	X5	150#	11

## HTC EZchange™

Type number	Segments	Line	Grain size	Segment height
34362961	Single	X1	16#	11
34355805	Single	X2	25#	11
34362962	Single	X3	40#	11
34355807	Single	X4	80#	11
34362963	Single	X5	150#	11
34362965	Double	X1	16#	11
34355806	Double	X2	25#	11
34362966	Double	X3	40#	11
34355809	Double	X4	80#	11
34362967	Double	X5	150#	11

## Schwamborn ETX2

Type number	Segments	Line	Grain size	Segment height
34393847	Single	X1	16#	11
34393845	Single	X2	25#	11
34393850	Single	X3	40#	11
34393846	Single	X4	80#	11
34393852	Single	X5	150#	11
34393848	Double	X1	16#	11
34366118	Double	X2	25#	11
34393851	Double	X3	40#	11
34366119	Double	X4	80#	11
34393853	Double	X5	150#	11

## Husqvarna REDI LOCK®

Type number	Segments	Line	Grain size	Segment height
34363052	Single	X1	16#	11
34363053	Single	X2	25#	11
34362387	Single	X3	40#	11
34362389	Single	X4	80#	11
34363055	Single	X5	150#	11
34363057	Double	X1	16#	11
34363071	Double	X2	25#	11
34362388	Double	X3	40#	11
34362390	Double	X4	80#	11
34363073	Double	X5	150#	11

# C-Line

For removing stubborn surface coatings

## Sample pictures:



Single segment, C-Line, ETX1 fixture,  
grain size 40# + HM grit (3-5 mm)



Double segment, C-Line, ETX1 fixture,  
grain size 40# + HM grit (3-5 mm)

## TYROLIT + Schwamborn ETX1

Type number	Segments	Line	Grain size	Segment height
34433649	Single	C0	40# + HM grit (3-5 mm)	10
34433679	Single	C1	40# + HM grit (1.5-3 mm)	10
34433680	Single	C2	16#	10
34433681	Single	C3	25#	10
34433682	Double	C1	40# + HM grit (1.5-3 mm)	10
34433683	Double	C2	16#	10
34433684	Double	C3	25#	10

## Schwamborn ETX2

Type number	Segments	Line	Grain size	Segment height
34433685	Single	C0	40# + HM grit (3-5 mm)	10
34433686	Single	C1	40# + HM grit (1.5-3 mm)	10
34433687	Single	C2	16#	10
34433688	Single	C3	25#	10
34433689	Double	C1	40# + HM grit (1.5-3 mm)	10
34433690	Double	C2	16#	10
34433691	Double	C3	25#	10

## HTC EZchange™

Type number	Segments	Line	Grain size	Segment height
34375617	Single	C0	40# + HM grit (3-5 mm)	10
34375618	Single	C1	40# + HM grit (1.5-3 mm)	10
34375619	Single	C2	16#	10
34375620	Single	C3	25#	10
34375631	Double	C1	40# + HM grit (1.5-3 mm)	10
34375632	Double	C2	16#	10
34375633	Double	C3	25#	10

## Husqvarna RED I LOCK®

Type number	Segments	Line	Grain size	Segment height
34432506	Single	C0	40# + HM grit (3-5 mm)	10
34432507	Single	C1	40# + HM grit (1.5-3 mm)	10
34432508	Single	C2	16#	10
34432522	Single	C3	25#	10
34432523	Double	C1	40# + HM grit (1.5-3 mm)	10
34432524	Double	C2	16#	10
34432525	Double	C3	25#	10







# Other

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Notes

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**Notes**

Other

# 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 all 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 strongly 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.

## 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

# Recommended RPM

Revolutions per minute [RPM] depending on the external tool diameter [D] and the operating speed [VS]							
D in mm	Recommended operating speed VS in m/s						
	Drilling		Sawing			Dry-cutting	
	2	3	40	50	60	80	100
14	2 730	4 090					
16	2 390	3 580					
20	1 910	2 860					
25	1 530	2 290					
32	1 190	1 790					
42	910	1 360					
52	730	1 100					
62	620	920					
72	530	800					
82	470	700					
100	380	570	7 640	9 550	11 460	15 280	19 100
115	330	500	6 640	8 300	9 960	13 290	16 610
125	310	460	6 110	7 640	9 170	12 220	15 280
150	250	380	5 090	6 370	7 640	10 190	12 730
180	210	320	4 240	5 310	6 370	8 490	10 610
200	190	290	3 820	4 770	5 730	7 640	9 550
230	170	250	3 320	4 150	4 980	6 640	8 300
250	150	230	3 060	3 820	4 580	6 110	7 640
300	130	190	2 550	3 180	3 820	5 090	6 370
350	110	160	2 180	2 730	3 270	4 370	5 460
400	100	140	1 910	2 390	2 860	3 820	4 770
450	80	130	1 700	2 120	2 550	3 400	4 240
500	80	110	1 530	1 910	2 290		
600	60	100	1 270	1 590	1 910		
700	50	80	1 090	1 360	1 640		
800	50	70	950	1 190	1 430		
900	40	60	850	1 060	1 270		
1 000	40	60	760	950	1 150		
1 200	30	50	640	800	950		

# 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. The 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 speed is too high. To reduce the speed. Should the speed can not be changed can perform the cut in several deliveries.

The blade is not mounted correctly. Look for the correct one-direction of the saw (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.

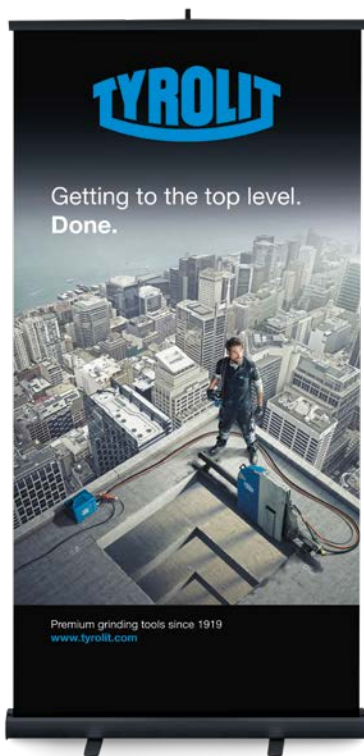
## Working together successfully

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.

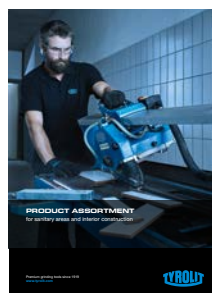
By request we also undertake the planing of your product assortment based on your customers' requirements and advise you on the optimum promotional positioning.



Roll-Up



Poster



Leaflets

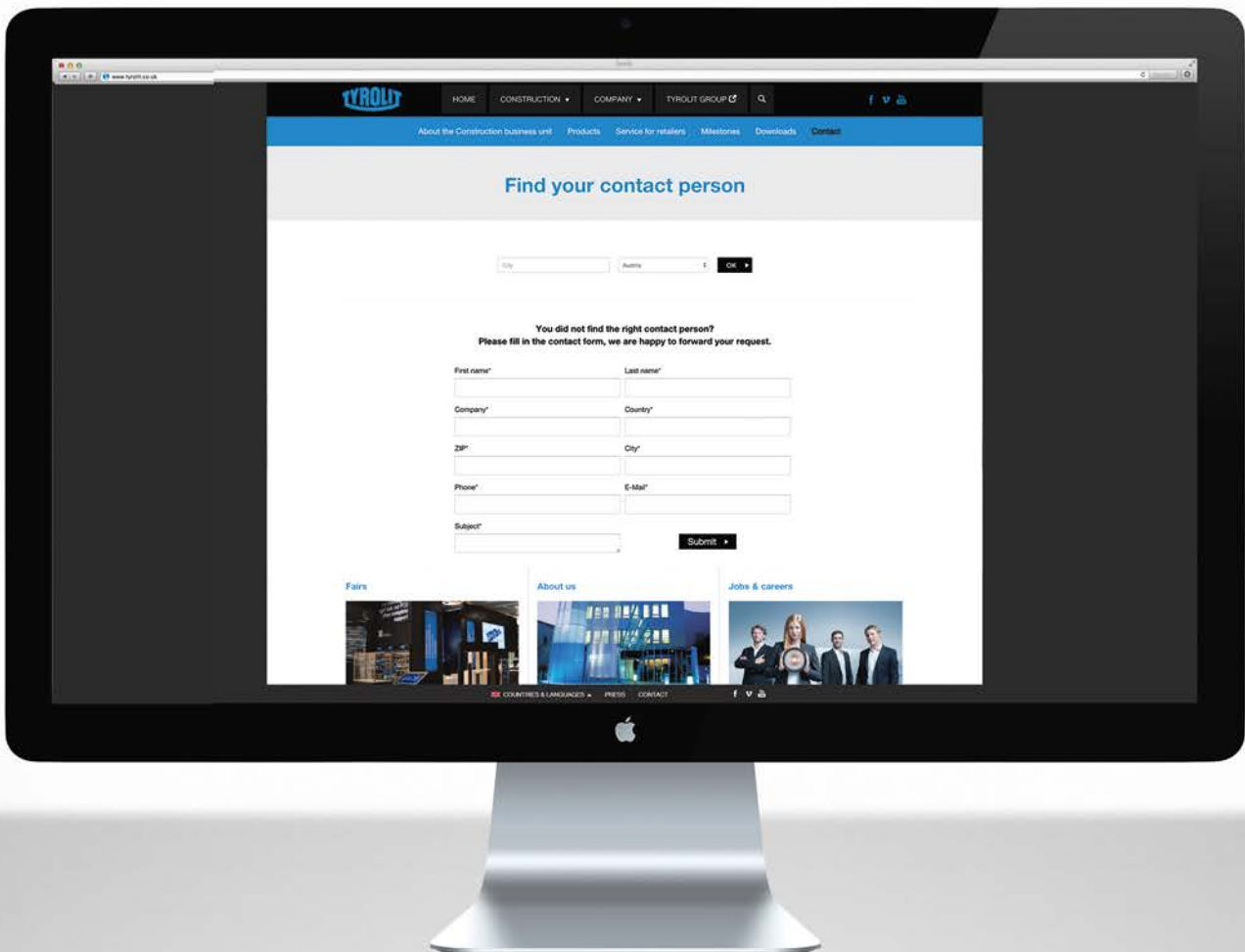


Beach-Flag

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