

EN



## Construction trade Diamond tools and machines

English | 2021

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

**TYROLIT**



# Diamond tools and machines Product catalogue



# The TYROLIT Group

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

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



**4,600+**  
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.



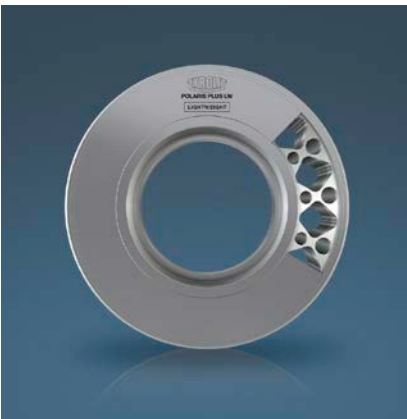
As one of the first abrasives manufacturers to integrate the new **X-Lock** clamping technology into our assortment of grinding discs, we are at the forefront of the angle grinder landscape. One click and it's done.



**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.



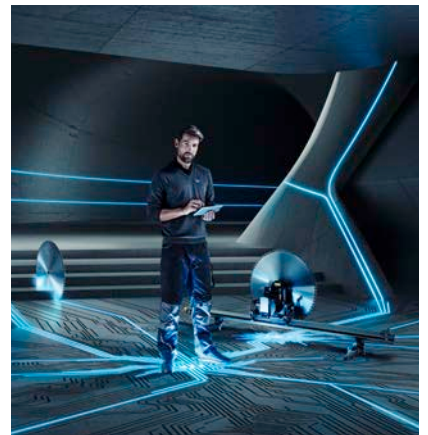
We took a leap forward in laminated glass grinding with our **REVERSE** wheels, simplifying grinding operations, improving yields and the processing quality while equally reducing stress to the tool and the workpiece.



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

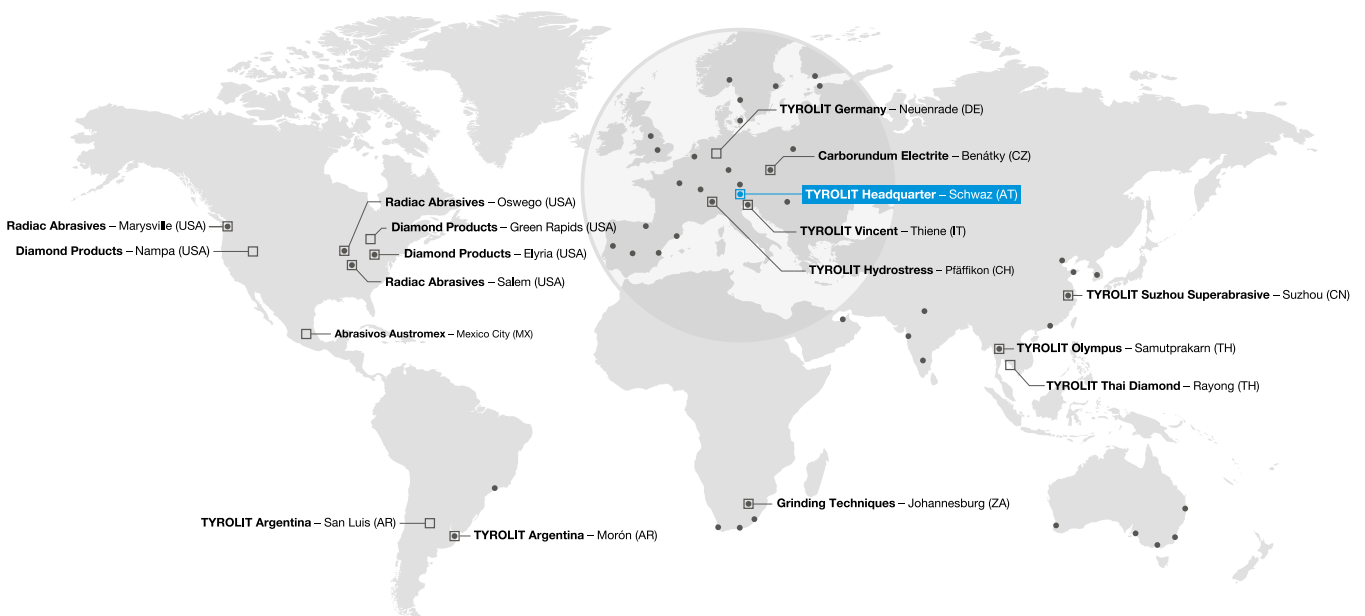
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Rayong (Thailand)



The European logistics centre in Benátky (Czechia)






□ TYROLIT production sites  
sites are only named once

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

# Quality lines

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!

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

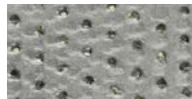
# Convincing, technologies



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

## Other

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Filter presses  
Pressing and crushing

Notes



# Free hand

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# Dry cutting



# New features, new design, trusted quality

The existing dry cutting range from TYROLIT has been revised in terms of its product characteristics and user-friendliness as well as its design.

The result is largely universal tools for all common building materials. We started last year with our PREMIUM line, which was completely revised for the most part. The next step was to renew our STANDARD and BASIC ranges.

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

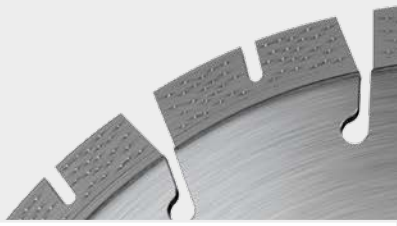
# Upgraded segments for outstanding results




★★★ PREMIUM
TGD® TECHNOLOGY




New, even more **intelligent diamond pattern** allows for **more efficiency**



★★★ PREMIUM




**Increased cooling effect** due to new U-shaped cuts

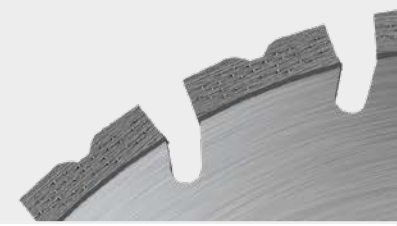


★★ STANDARD

★ BASIC




**Performance increase** due to new segment shape



★★ STANDARD

★ BASIC








**Reduced segment surface** ensures a higher cutting rate

The composition of the segments is different for all quality lines.

# An assortment for doers


A major part of the TYROLIT 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

<p><b>DCU in TGD® Technology</b></p>  <p>The upgrade of our top-selling universal disc with even better performance.</p> <p>★★★ PREMIUM TGD® TECHNOLOGY</p>	<p><b>DCU</b></p>  <p>The constant companion for those who want to tackle various tasks with one durable disc.</p> <p>★★★ PREMIUM ★★ STANDARD ★ BASIC</p>	<p><b>DCU-FAST CUT</b></p>  <p>Gets the job done faster: The high-performing version of our universal classic.</p> <p>★★★ PREMIUM ★★ STANDARD ★ BASIC</p>
<p><b>DCE-SILENT in TGD® Technology</b></p>  <p>Noise-damped and universal: The SILENT version for an all-round application with electric machines.</p> <p>★★★ PREMIUM TGD® TECHNOLOGY</p>	<p><b>CUT-ALL</b></p>  <p>The long-lasting all-rounder for unlimited material processing and rescue operations.</p> <p>★★★ PREMIUM</p>	

### For rock-stars


**DCH in TGD® Technology**



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

★★★ PREMIUM TGD® TECHNOLOGY


**DCH**



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

★★★ PREMIUM ★ BASIC

**DCH-FAST CUT**




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

★★★ PREMIUM

### For down-to-earth users

**DCA+C**




Hard-line cutting of asphalt and concrete.

★★★ PREMIUM ★★ STANDARD ★ BASIC

### For concrete pros

**DCC**




The first choice for cutting any type of concrete.

★★★ PREMIUM ★★ STANDARD

### For sanitary champions

**DCP**



Outstanding for processing of porcelain stoneware and tiles.

★★★ PREMIUM

## Application recommendation Dry Cutting Assortment

		★★★ PREMIUM											★★ STANDARD					★ BASIC				
		DCU TGD®	DCU	DCU-FAST CUT	DCU-SILENT *	DCE-SILENT **	DCC	DCC-FAST CUT	DCH TGD®	DCH	DCH-FAST CUT	DCA+C	CUT-ALL	DCU	DCU-FAST CUT	DCC	DCC-LONG LIFE	DCA+C	DCU	DCU-FAST CUT	DCH	DCA+C
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	Marble	○							○	○	○											
Industrial Ceramics	Refractory materials	○							○			○	○	○	○							
	Engineering bricks	●	○	○	○			○	●	○	○	○	○	○	○							

● = optimal ○ = good ○ = acceptable " " = not recommended  
 \*For wet cutting, electro cutter \*\*For wet cutting, only for electric machines

### Application recommendation Dry Cutting Assortment

		★★★ PREMIUM					★ BASIC	
		DCM	DCT	DCP	DCCI Combi	DCCI	CUT-ALL	DCT
Marble	Marble	●						●
Soft Materials	GFK	●					○	
	PVC	●			●		○	
	Carbon fibre	●	●	○	●	○	○	○
	Composites	●			●	○	○	○
	Fibreglass	●	○				○	○
	Bulletproof glass	●					●	○
Tiles & Ceramics	Ceramic tiles	○	○	●			○	○
	Fine stoneware	○	○	●			○	
	Porcelain	○	●	●			○	○
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





Free hand



**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	230 × 2.4 × 22.23	14		
		736088	34434257	300 × 2.6 × 20	14			
		22373	34462046	300 × 2.6 × 22.23	14			
		59580	34462047	300 × 2.6 × 25.4	14			
				736102	34435145	350 × 3.2 × 20	14	
				-	34462048	350 × 3.2 × 22.23	14	
				22377	34462049	350 × 3.2 × 25.4	14	
				59543	34435148	400 × 3.2 × 20	14	
				59545	34462050	400 × 3.2 × 25.4	14	



**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, etc.



	Shape	Type number OLD	Type number NEW	Dimension	Segment height			
		C73W	464537	34430790	115 × 2.4 × 22.23	10		
		464539	34425401	125 × 2.4 × 22.23	10			
		464540	34430832	150 × 2.6 × 22.23	12			
		464543	34430833	180 × 2.6 × 22.23	12			
		464544	34434386	230 × 2.6 × 22.23	12			
		464545	34428610	300 × 2.6 × 20	12			
		464546	34431007	300 × 2.6 × 22.23	12			
		464549	34431008	300 × 2.6 × 25.4	12			
				464551	34430834	350 × 3.2 × 20	12	
				464552	34430835	350 × 3.2 × 22.23	12	
				464553	34430836	350 × 3.2 × 25.4	12	
				464555	34428721	400 × 3.2 × 20	12	
				464556	34431009	400 × 3.2 × 25.4	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	115×2×22.23	10
	474746	125×2×22.23	10
	474751	150×2.4×22.23	9
	474752	180×2.4×22.23	9
	474753	230×2.4×22.23	9

**★★★ 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	230×2.6×22.23	9

**★★★ 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	350×3.2×20	14
	34461144	400×3.2×20	14
	34517728	350×3.2×25.4	14
	34517729	400×3.2×25.4	14






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



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

	Shape	Type number OLD	Type number NEW	Dimension	Segment height	
		C73 467443	34499934	115 × 2 × 22.23	7	
		467444	34499935	125 × 2 × 22.23	7	
		467445	34499936	150 × 2.6 × 22.23	9	
		467446	34499937	180 × 2.6 × 22.23	9	
		467448	34499938	230 × 2.6 × 22.23	9	
		C7W 464853	34499792	300 × 2.6 × 20	10	
		464854	34499793	300 × 2.6 × 22.23	10	
		464855	34499794	300 × 2.6 × 25.4	10	
		464858	34499795	350 × 3.2 × 20	10	
		464859	34499796	350 × 3.2 × 25.4	10	
		465667	34499797	400 × 3.2 × 20	10	

**DCU-FAST CUT**




		C3R 467414	34499939	115 × 2 × 22.23	7		
		467416	34499940	125 × 2 × 22.23	7		
		C3R 467428	34499991	150 × 2.4 × 22.23	9		
		467430	34499992	180 × 2.4 × 22.23	9		
		467431	34499993	230 × 2.4 × 22.23	9		
		467433		300 × 3 × 20	10		
		467434		300 × 3 × 22.23	10		
		467435		300 × 3 × 25.4	10		
		467436		350 × 3 × 20	10		
		467439		350 × 3 × 25.4	10		




**NEW** ★ **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 OLD	Type number NEW	Dimension	Segment height	
		C73 466082	34502315	105 × 2 × 20/16	7	
		466083	34501337	115 × 2 × 22.23	7	
		466084	34501338	125 × 2 × 22.23	7	
		466086	34501445	150 × 2.6 × 22.23	9	
		466087	34501446	180 × 2.6 × 22.23	9	
		466090	34501447	230 × 2.6 × 22.23	9	

	Shape	Type number OLD	Type number NEW	Dimension	Segment height	
		C7W	466093	34501448	300 x 2.6 x 20	10
		466094	34501449	300 x 2.6 x 22.23	10	
		466095	34501450	300 x 2.6 x 25.4	10	
		466096	34501461	350 x 3.2 x 20	10	
		466099	34501462	350 x 3.2 x 25.4	10	
		34492414	34501463	400 x 3.2 x 20	10	
		529399	34502116	400 x 3.2 x 25.4	10	

**DCU-FAST CUT**



		C3R	467266	34502314	105 x 2 x 20/16	7	
		467267	34501464	115 x 2 x 22.23	7		
		467268	34501465	125 x 2 x 22.23	7		
		C3R	467271	34501466	150 x 2.4 x 22.23		9
		467273	34501467	180 x 2.4 x 22.23	9		
		467276	34501468	230 x 2.4 x 22.23	9		
		467280		300 x 3 x 20	10		
	467281		300 x 3 x 22.23	10			
	467282		300 x 3 x 25.4	10			
	467285		350 x 3 x 20	10			
467288		350 x 3 x 22.23	10				
467289		350 x 3 x 25.4	10				



**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	115 × 2.4 × 22.23	10
	465489	34468731	125 × 2.4 × 22.23	10
	465490	34468732	150 × 2.6 × 22.23	12
	465491	34468733	180 × 2.6 × 22.23	12
	465492	34468734	230 × 2.6 × 22.23	12
	465493	34468735	300 × 2.6 × 20	12
	465494	34468736	300 × 2.6 × 22.23	12
	465495	34468737	300 × 2.6 × 25.4	12
	465496	34468738	350 × 3.2 × 20	12
	465498	34468739	350 × 3.2 × 22.23	12
	465499	34468740	350 × 3.2 × 25.4	12
	465501	34468751	400 × 3.2 × 20	12
	–	34468752	400 × 3.2 × 25.4	12



**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	125 × 2 × 22.23	7
	598010	140 × 2.4 × 22.23	9
	598011	150 × 2.4 × 22.23	9

**NEW** ★★  
STANDARD

**DCC dry cutting saw blades  
for concrete**



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



	Shape		Type number OLD	Type number NEW	Dimension	Segment height	
		C73	474774	34500109	115×2×22.23	7	
			474775	34500110	125×2×22.23	7	
			474777	34500111	150×2.6×22.23	9	
			474778	34500112	180×2.6×22.23	9	
			474780	34500113	230×2.6×22.23	9	
		C7W	465503	34500114	300×2.6×20	10	
			465507	34500115	300×2.6×25.4	10	
			465509	34500116	350×3.2×20	10	
			465512	34500117	350×3.2×25.4	10	
			485041	34502313	400×3.2×20	10	

★★  
STANDARD

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



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

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







**DCA+C dry cutting saw blades for asphalt & 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	115×2.4×22.23	10
	34470454	125×2.4×22.23	10
	34470455	150×2.6×22.23	12
	34470456	180×2.6×22.23	12
	34470457	230×2.6×22.23	12
 	C73SW 34472010	300×2.6×20	10
	34472041	300×2.6×22.23	10
	34472044	300×2.6×25.4	10
	34472046	350×3.2×20	10
	34472061	350×3.2×22.23	10
	34472008	350×3.2×25.4	10
	34474151	400×3.2×25.4	10





**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.

Shape	Type number	Dimension	Segment height
 	C7SW 34502234	300×2.8×20	10
	34502235	300×2.8×25.4	10
	34502236	350×3.2×20	10
	34502237	350×3.2×25.4	10
	34502455	400×3.2×20	10
	34502238	400×3.2×25.4	10





**DCA+C dry cutting saw blades for asphalt & 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
 	C7SW 34500101	300×2.8×20	10
	34500102	300×2.8×25.4	10
	34500103	350×3.2×20	10
	34500104	350×3.2×25.4	10
	34502456	400×3.2×20	10
	34500105	400×3.2×25.4	10





**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	230 × 2.4 × 22.23	14			
		736095	34435150	300 × 2.6 × 20	14			
		43485	34462092	300 × 2.6 × 25.4	14			
				736105	34435151	350 × 3.2 × 20	14	
				43490	34462093	350 × 3.2 × 25.4	14	
				-	34435152	400 × 3.2 × 20	14	
		-	34462094	400 × 3.2 × 25.4	14			



**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	115 × 2.4 × 22.23	10
		464698	34475856	125 × 2.4 × 22.23	10



**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	115 × 1.2 × 22.23	7
		475793	125 × 1.2 × 22.23	7
		475797	180 × 1.9 × 22.23	9
		475800	230 × 1.9 × 22.23	9



**NEW** ★ **BASIC** **DCH dry cutting saw blades**  
for hard stone



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

	Shape	Type number OLD	Type number NEW	Dimension	Segment height		
		C73	467386	34501469	115 × 2 × 22.23	7	
			467387	34501470	125 × 2 × 22.23	7	
			467388	34501471	180 × 2.6 × 22.23	9	
			467389	34501472	230 × 2.6 × 22.23	9	
		C7W	67391	34501473	300 × 2.6 × 20	10	
			467395	34501474	350 × 3.2 × 20	10	

**NEW** ★★★ **PREMIUM** **CUT-ALL**  
for any materials



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

Ideal for emergency operations by fire brigade and rescue forces.

	Shape	Type number	Dimension	Segment height		
		UC3	34503209	115 × 2.8 × 22.23	3	
			34502746	125 × 3 × 22.23	3	
			34503208	230 × 3 × 22.23	3	
			34503261	350 × 4.1 × 20	3	
			34503262	350 × 4.1 × 25.4	3	

★★★ **PREMIUM** **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	115 × 7.2 × 22.23	7
			535829	125 × 7.2 × 22.23	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	115 × 2.5 × 22.23	2
	315967	125 × 2.5 × 22.23	2
	547611	150 × 3 × 22.23	2
	315966	180 × 3 × 22.23	2
	315965	230 × 3 × 22.23	2
	490961	350 × 3 × 20	2.5
	490962	350 × 3 × 25.4	2.5



### DCP dry cutting saw blades for porcelain stoneware & tiles



Machinable materials: Porcelain stoneware, fine stoneware, ceramic tiles, kitchen counter tops.

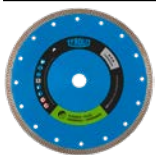

Shape	Type number	Dimension	Segment height
  1A1R	34529134	115 × 1.4 × 22.23	10
	34529153	125 × 1.4 × 22.23	10



### DCT dry cutting saw blades for tiles & 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	105 × 1 × 20	10
	639559	115 × 1.2 × 22.23	10
	639560	125 × 1.2 × 22.23	10
	639634	180 × 1.4 × 22.23	10
	676791	200 × 1.6 × 22.23	10
	639635	230 × 1.6 × 22.23	10

**★ BASIC** **DCT dry cutting saw blades**  
for tiles & ceramics




Machinable materials: Ceramic tiles.

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



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



Type number	Dimension
 SP6 662791	55 × 25 × 320



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



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

**NEW** **★★ STANDARD** **Roofer's cutting wheel**  
for all common roofing materials



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





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



DCCI 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.

Shape	Type number	Dimension	Segment height
 	UC3	34551885	115 × 2.8 × 22.23
		34551886	125 × 3 × 22.23
		34551884	230 × 3 × 22.23
		34367418	350 × 4.1 × 20
		34551887	350 × 4.1 × 25.4



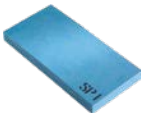
**DCCI Combi cutting and chamfering disc**  
for plastic pipes



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

**Sharpening plate**

Accessories dry cutting saw blades

Type number	Dimension	
	SP1	
	497322	55 × 25 × 320
	484627	160 × 30 × 320
484672	320 × 55 × 320	





# Diamond cup wheels



Robert Bosch GmbH  
D - 70745 Leinfelden - Echterdingen  
3 601 H2Y A00  
2500 W 400 V 4.4 A  
IP20



## 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	100×20×22.23	5
		34179930	125×23×22.23	5
		34179971	180×32×22.23	5



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



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

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



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



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

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



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



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

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





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



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

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

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





### DGU-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	100 × 18.5 × 22.23	6
			34247126	115 × 18.5 × 22.23	6
			34247127	125 × 18.5 × 22.23	6
			34247128	180 × 18.5 × 22.23	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	100 × 21 × 22.23	5
			34247130	115 × 21 × 22.23	5
			34247151	125 × 21 × 22.23	5
			34247152	180 × 30.2 × 22.23	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	100×21×22.23	5
		34247154	115×21×22.23	5
		34247155	125×21×22.23	5
		34247156	180×30.2×22.23	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	100×21×22.23	5
		34247158	115×21×22.23	5
		34247159	125×21×22.23	5
		34247160	180×30.2×22.23	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	100×20.5×22.23	5
		34247162	115×20.5×22.23	5
		34247164	125×20.5×22.23	5
		34247165	180×30×22.23	5

## Angle grinder AGE125

Blade diameter of 125 mm

available  
from summer 2021



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



Extremely durable and  
efficient motor for high  
performance



Electronics with soft  
start, restart and  
overload protection

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

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

## System & accessories

### Technical data

Max. Ø of saw blade	125 mm
Blade arbour	M14

### Drive

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

### Dimensions & weight

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

### System & accessories

#### Angle grinder AGE125

11002625	Angle grinder AGE125/230 V
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## Angle grinder AGE230

Blade diameter of 230 mm

available  
from summer 2021



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



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



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

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

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



# System & accessories

## Technical data

Max. Ø of saw blade	230 mm
Blade arbour	M14

## Drive

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

## Dimensions & weight

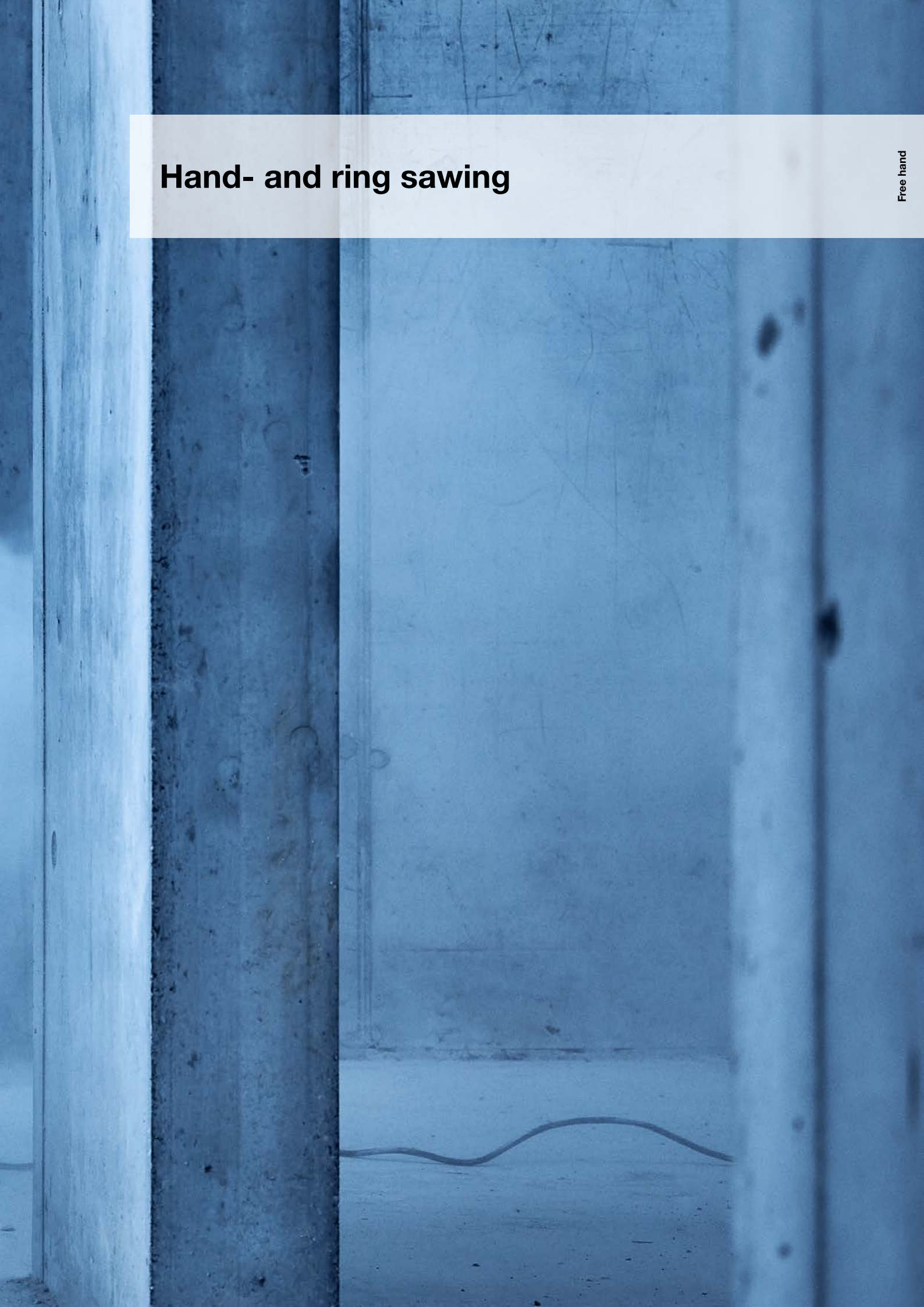
Length	490 mm
Width	104 mm
Height	90 mm
Weight (without blade)	5.4 kg
Cable length	4 m

## System & accessories

<b>Angle grinder AGE230</b>	
11002626	Angle grinder AGE230/230 V



# 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®	●	52
	RSL	●	52
	RSL-C	●	53
	RSL-FC	●	53
	RSM	●	53
 <b>STANDARD</b>	HSL-FC	●	52

## Colour indication

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

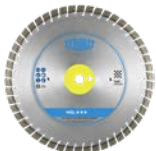



**HSL Hand saw blade**  
for concrete | in TGD®-Technology



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	405 × 2.8 × 25.4	10
			732290	416 × 2.8 × 25.4	10

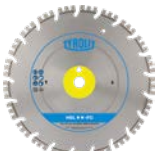



**HSL-FAST CUT Hand saw blade**  
for concrete



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	350 × 4.2 × 25.4	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	406 × 3.9 × 326.8	10
			34506869	406 × 4.2 × 320	10
			738473	506 × 3.9 × 421.7	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.

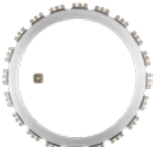

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height	
		C1W	739886	366 × 4.2 × 288	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.

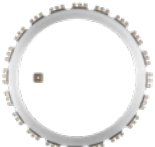

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

	Shape	Type number	Dimension	Segment height
	 C1W	34506869	406 × 4.2 × 320	10
		34058668	406 × 3.9 × 326.78	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	306 × 3.9 × 225.2	10
		34258692	406 × 3.9 × 326.78	10
		34438701	406 × 3.9 × 320	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	366 × 4.2 × 288	10

● = low

● = medium

★ ★ ★  
PREMIUM

## Hand saw HBE400

Cutting depth up to 150 mm



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



3.2 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

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

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

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



# System & Accessories

## Technical data

### Saw blade

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

### Drive

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

### Dimensions & Weight

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

## System & Accessories

### Hand saw HBE400

10991700	Hand saw HBE400 / 230 V
----------	-------------------------

### Accessories

10998741	Flush cut kit (Hole pattern 7M243)
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HYROLIT

HYDROSTRESS

HYROLIT



# Table sawing

<b>Information</b>	<b>58</b>
<b>Table saw blades</b>	<b>60</b>
<b>Machines</b>	<b>64</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	•						60
	TSU-SILENT	•						61
	TSH		•					61
	TSH-SILENT		•					61
	F40				•			61
	TSS10			•				62
	ES-T					•		62
	DCT						•	62

### 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	250 × 2.2 × 35	10
		34180294	300 × 2.4 × 35	10
		34180293	350 × 2.8 × 35	10
		34180291	400 × 3.2 × 35	10
		34180270	450 × 3.2 × 35	10
		34218744	500 × 3.6 × 35	10
		34180268	550 × 3.6 × 35	10
	C1W	34180263	625 × 3.6 × 60/55	10
		34171018	650 × 3.9 × 60/55	10
		34171019	700 × 3.9 × 60/55	10
		34171020	900 × 4.8 × 60/55	10
		34171031	1000 × 4.8 × 60/55	10






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



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

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



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





### TSH Table saw blade for hardstone



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

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

#### TSH-SILENT



		C2G	34221324	300 × 2.8 × 35	14
			34097755	350 × 2.8 × 35	14



### F40 Table saw blade for abrasive materials



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



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

★★★  
PREMIUM **TSS10 Table saw blade**  
for engineering bricks



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



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

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

★★★  
PREMIUM **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	300×2.4×35	7
		5685	350×2.8×35	7

★★★  
PREMIUM **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.

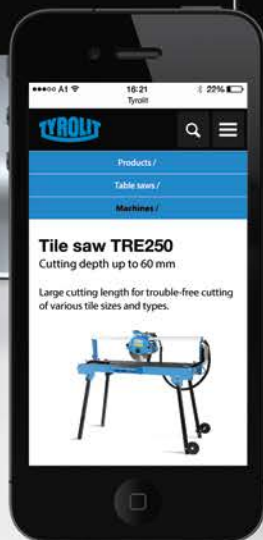
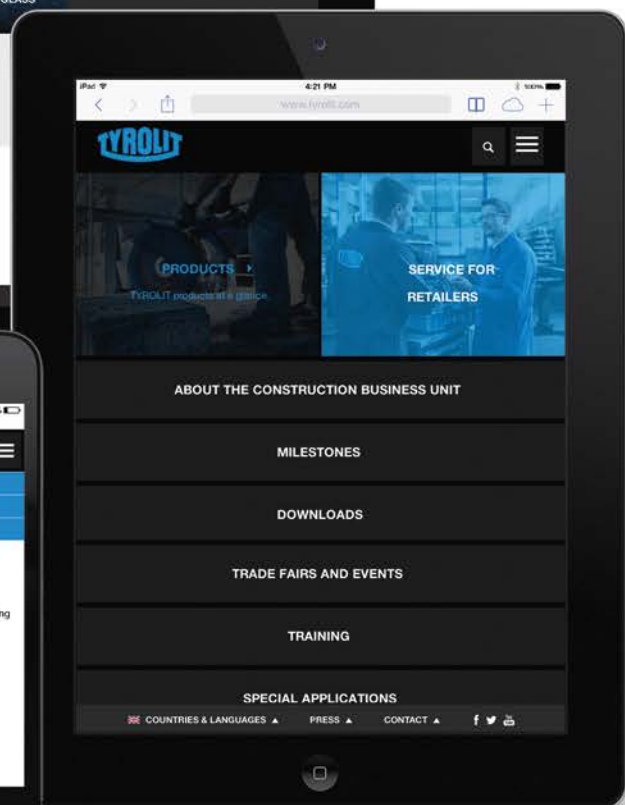
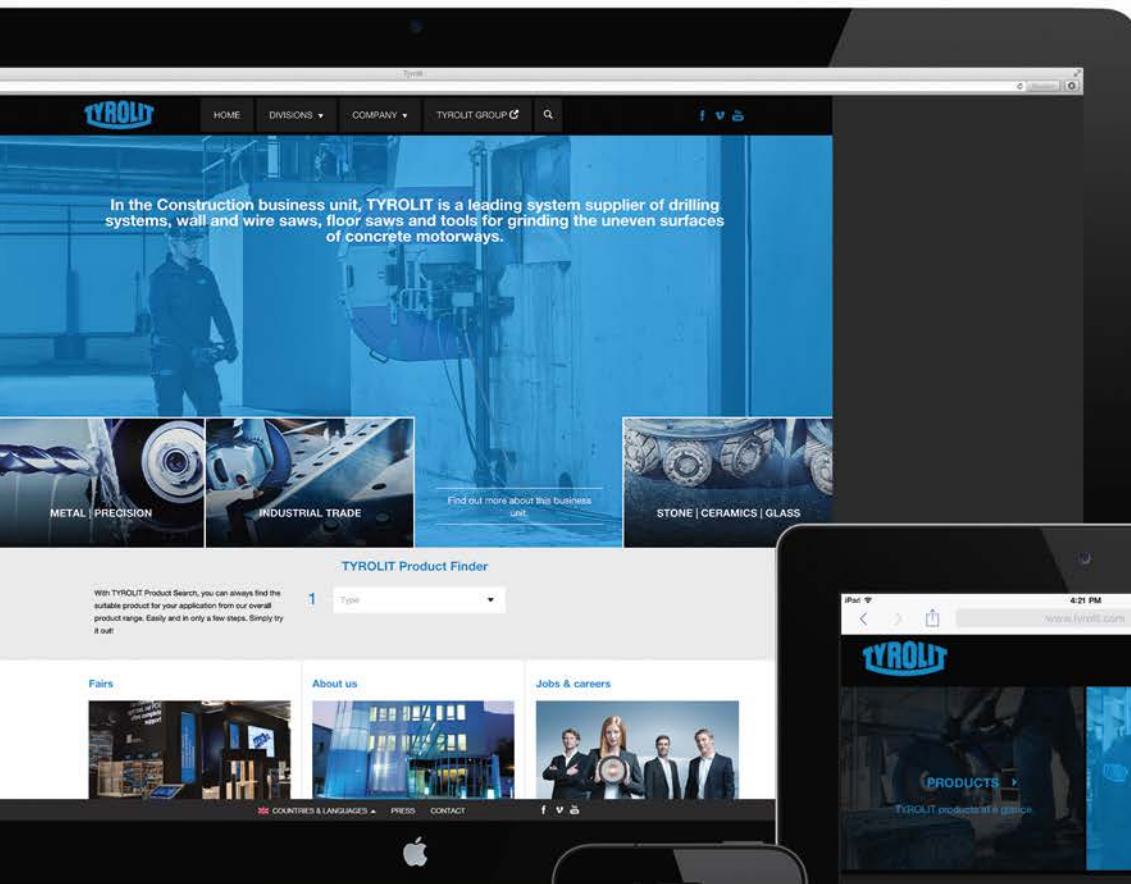
	Shape	Type number	Dimension	Segment height
	 1A1R	639566	180×1.4×35	10
		701934	200×1.6×35	10
		639568	230×1.6×35	10
		639569	250×1.6×35	10
		639570	300×2×35	10
		639571	350×2×35	10

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



	Type number	Dimension
	SP6 662791	55×25×320





[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

## Tool recommendation

PREMIUM DCT Table saw blade
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★★  
STANDARD

## Masonry saw TBE400

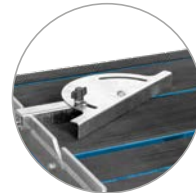
Cutting depth up to 125 mm



Swivelling saw head enables 45° mitre cuts



Folding feet, transport wheels and carrying handles ensure total manoeuvrability at the location of use



Angle stop provided for cuts of 30° to 90°

The TBE400 table saw offers an uncompromising price-performance ratio as well as high flexibility through numerous settings and application options. A sturdy saw table with anti-slip support guarantees clean cuts. The swivelling saw head allows mitre

cuts to be made with ease. Transport wheels and folding table feet facilitate transport and position at the location of use.

# System & accessories

## Technical data

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

## Drive

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

## Design

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

## Dimensions & weight

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

## System & accessories

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

★★★  
PREMIUM

## Masonry saw TME700

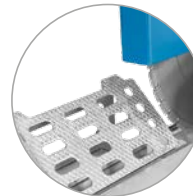
Cutting depth up to 270 mm



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)

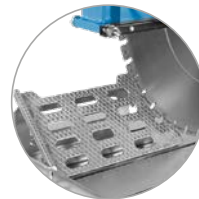
★★★  
PREMIUM

## 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

### Tool recommendation

34453058	HM saw band, length 3,750 x 27 mm, 3 teeth/inch
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# Floor sawing

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## Floor saw blades

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

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

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

## Colour indication

	Concrete	Asphalt
Low Power (≤15 kW)		
Medium Power (>15–25 kW)		
High Power		
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	○	⦿	●	●						
	FSL-C	L/M	L	○	●	●	⦿						
	FSM-C	M/H	M	○	⦿	●	●						
	FSL-A	L/M	L							○	⦿	●	●
	FSA+C	L	L			○	○		○	○	○	○	●
★ BASIC	FSA	L	L				○			○	○	○	●
	FSU	L	L	○	⦿	●	●						

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

\* with V-belt drive

### Service

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

### Information / Recommendations

- + Optimum application conditions / peripheral speed
 

Material	Aggregates	Peripheral speed
Asphalt		55–60 m/s
Cured concrete	soft aggregates with little reinforcement	40–50 m/s
Cured concrete	hard aggregates	35–45 m/s
Green concrete		50–55 m/s
- + The safety and operating instructions sent with the machine must be observed at all times when using floor saws. The safety manual will be sent to you on request.



# FSL-C Floor saw blade

for cured concrete | in TGD®-Technology

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



+ **Very long lifetime.**

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

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



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



	Shape	Type number	Dimension	Driving bore	Segment height
		620570	350 × 3.2 × 25.4		10
		620571	350 × 3.9 × 25.4		10
		612893	450 × 3.9 × 25.4		10
		613264	450 × 4.4 × 25.4		10
		613271	500 × 3.9 × 25.4		10
		613272	600 × 3.9 × 25.4		10
		638179	600 × 3.9 × 25.4	7M23	10
		648205	600 × 3.9 × 60/25.4		10
		613273	600 × 4.4 × 25.4		10
		615335	600 × 5 × 25.4		10
		103020	650 × 3.9 × 25.4		10
		613274	700 × 3.9 × 25.4		10
		615338	700 × 4.4 × 25.4		10
		613276	800 × 3.9 × 25.4		10
615339	800 × 4.4 × 25.4		10		

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

Floor sawing





Shape	Type number	Dimension	Driving bore	Segment height
	615340	900 × 4.4 × 25.4		10
	615341	1000 × 4.4 × 25.4		10
	646183	1200 × 4.4 × 35/25.4	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	350 × 3.2 × 25.4	10	
		620573	350 × 3.9 × 25.4	10	
		739750	350 × 3.9 × 35/25.4	7M174	10
		615342	450 × 3.9 × 25.4		10
		653498	450 × 3.9 × 35/25.4	7M174	10
		613277	450 × 5 × 25.4		10
		631830	450 × 5 × 35/25.4	7M174	10
		613280	500 × 3.9 × 25.4		10
		613284	600 × 3.9 × 25.4		10
		613285	600 × 4.4 × 25.4		10
		613286	600 × 5 × 25.4		10
		624783	600 × 5 × 35/25.4	7M174	10
		613287	700 × 3.9 × 25.4		10
		615343	700 × 4.4 × 25.4		10
		643676	700 × 4.4 × 35/25.4	7M174	10
		613288	800 × 4.4 × 25.4		10
		621887	800 × 4.4 × 35/25.4	7M174	10
		34167502	800 × 5 × 25.4		10
		613289	900 × 4.4 × 25.4		10
		613291	1000 × 4.4 × 25.4		10
	633953	1000 × 4.4 × 35/25.4	7M174	10	
	620575	1200 × 4.4 × 25.4		10	





**FSC Floor saw blade**  
for cured concrete



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

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

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



# 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.

★★★ PREMIUM ● **FSL-A Floor saw blade for asphalt**



	Shape	Type number	Dimension	Segment height	
		C7SW	620541	350 × 3.2 × 25.4	11
		620542	400 × 3.2 × 25.4	11	
		620544	450 × 3.6 × 25.4	11	
		621163	450 × 5 × 35/25.4	11	
		599004	500 × 3.6 × 25.4	11	
		620558	600 × 3.6 × 25.4	11	
		621164	600 × 5 × 35/25.4	11	
		34237486	700 × 4.7 × 35/25.4	11	
		34237487	800 × 4.7 × 35/25.4	11	
				C1S	620553
620555	1000 × 4.7 × 35/25.4			11	
620556	1200 × 4.7 × 35/25.4			11	

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 **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	300 × 3.2 × 25.4	9
	574844	350 × 3.2 × 25.4	9
	574845	400 × 3.2 × 25.4	9
	574846	450 × 3.6 × 25.4	9
	574848	500 × 3.6 × 25.4	9
	574850	600 × 3.6 × 25.4	9
	34237480	700 × 4.2 × 35/25.4	9
	34237482	800 × 4.2 × 35/25.4	9

★ BASIC **FSA Floor saw blade for asphalt**



Materials able to be machined: Asphalt, sandstone, extremely abrasive materials. Details: Protective segments against the undercutting-effect.



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

★★★ PREMIUM **FSA+C Floor saw blade 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
 	C7SW 34527692	450 × 3.6 × 25.4	10

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

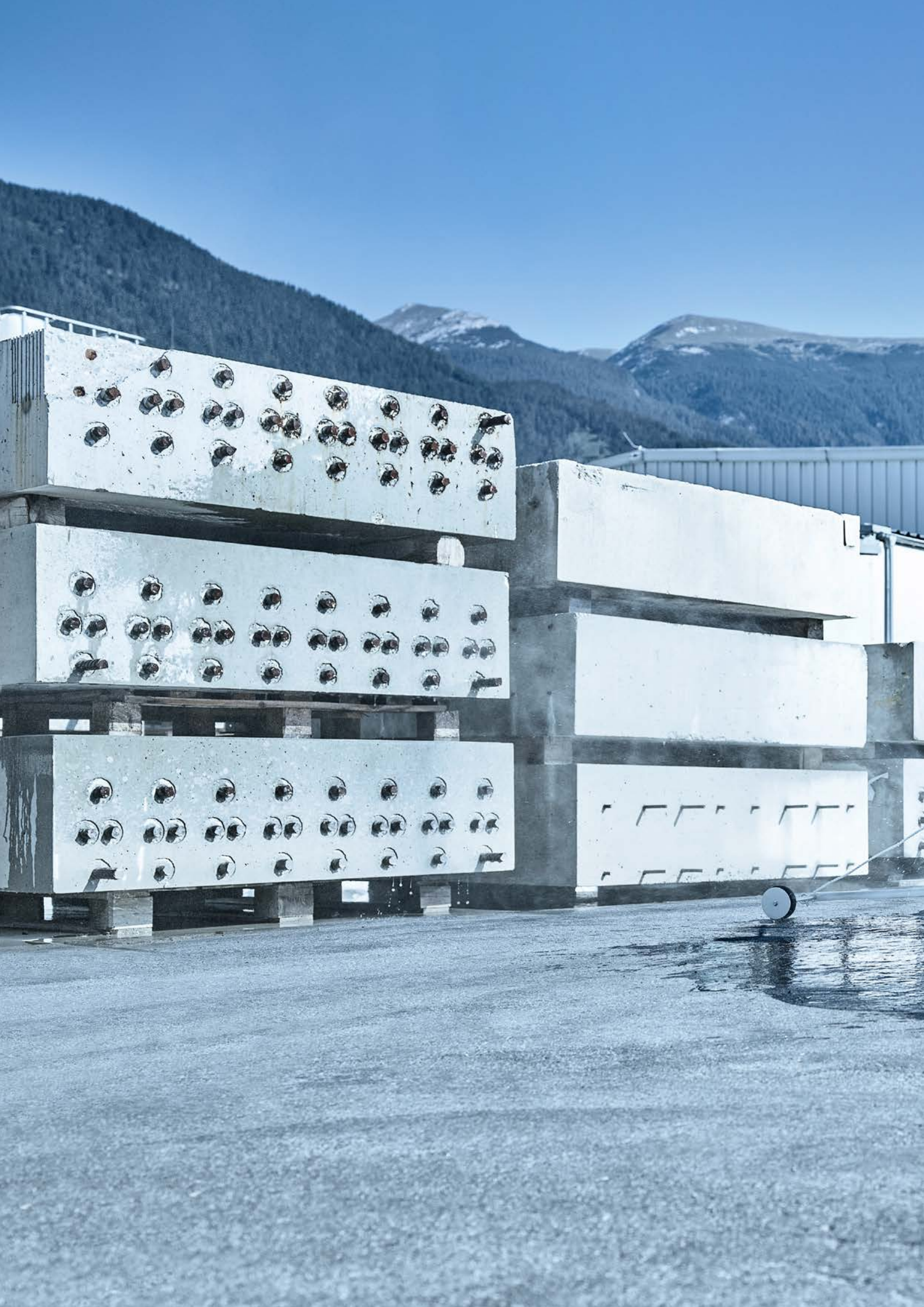


Materials able to be machined: Universal building materials, such as concrete, clay brick, natural stone, etc.

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

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



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.

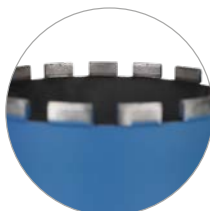
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

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	4
162	240-350	
182	210-320	
202	190-280	
250	150-230	
300	130-190	
400	100-140	
500	80-120	

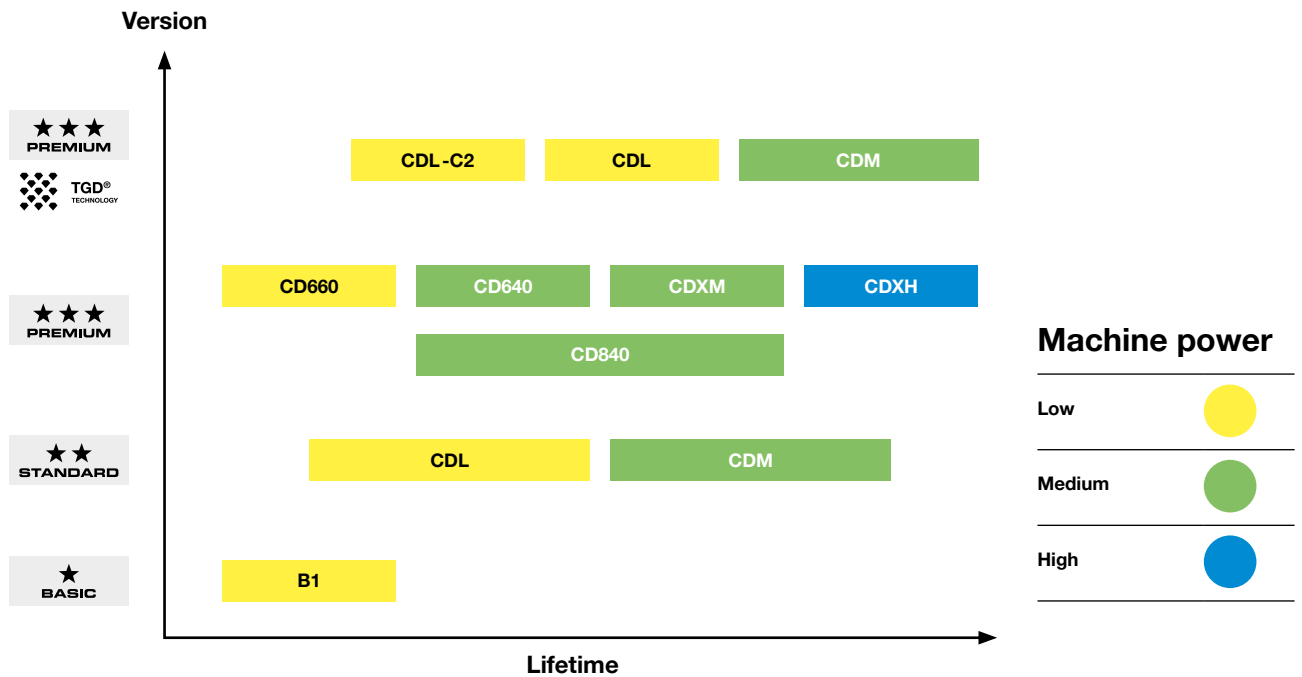
## Service

- + 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



## Segment overview Wet drilling



### TECHNOLOGY

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



### EFFICIENCY

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



### CUTTING PERFORMANCE

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

# Application recommendation

## TYROLIT wet drill bits

### Material properties

Performance Level	Specification	Aggregates				Abrasiveness			Reinforcement			
		soft	medium	hard	very hard	low	medium	high	low	medium	high	
★★★ PREMIUM	CDL TGD®	●	●	⦿	○	⦿	●	●	●	●	●	⦿
	CDM TGD®	⦿	●	●	⦿	○	●	●	⦿	●	●	●
	CD640	⦿	●	●	●	○	⦿	●	●	⦿	●	●
	CD660	●	●	⦿	○	⦿	●	⦿	●	⦿	●	●
	CD840	●	●	⦿	○	○	●	●	●	●	●	⦿
★★ STANDARD	CDL	⦿	⦿	○		○	⦿	⦿	⦿	○		
	CDM	○	⦿	●	●		○	●	⦿	●	●	
★ BASIC	B1	●	⦿	⦿		⦿	⦿	○	⦿	○		
		Limestone Granite	Quartz Granite	Rhine gravel Danube gravel	Flint							

### Machine power

Performance Level	Specification	Machine power			Speed		
		low	medium	high	low	medium	high
★★★ PREMIUM	CDL TGD®	●	●	○	○	●	●
	CDM TGD®	○	●	●	●	●	⦿
	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	12 × 400 × R1/2"	7
	854317	14 × 400 × R1/2"	7
	474990	15 × 400 × R1/2"	7
	474991	16 × 400 × R1/2"	7
	474993	18 × 400 × R1/2"	7
	474995	20 × 400 × R1/2"	7
	474997	22 × 400 × R1/2"	7
	475000	24 × 400 × R1/2"	7
	475009	25 × 400 × R1/2"	7
	475010	28 × 400 × R1/2"	7
	475011	30 × 400 × R1/2"	7
	475012	32 × 400 × R1/2"	7
	500072	35 × 450 × R1/2"	7
	475014	37 × 450 × R1/2"	7
	475015	40 × 450 × R1/2"	7
475016	42 × 450 × R1/2"	7	





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





## 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.

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

● = low

● = medium





PREMIUM




## 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.

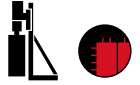
		Type no.	Dimension	Segment height
	HOHL1D	34235150	82 × 450 × 1¼"	11.3
		34235193	92 × 450 × 1¼"	11.3
		34233042	102 × 450 × 1¼"	11.3
		34235146	107 × 450 × 1¼"	11.3
		34239079	112 × 450 × 1¼"	11.3
		34235690	117 × 450 × 1¼"	11.3
		34239092	122 × 450 × 1¼"	11.3
		34235147	127 × 450 × 1¼"	11.3
		34235149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

● = medium

● = high




## CD640 Wet drill bits for reinforced concrete



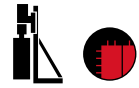
Drill motors up to 5 kW | medium-hard to very hard concrete aggregate.  
Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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.

	Type no.	Dimension	Segment height
	HOHL1D		
	34239204	47 × 450 × 1¼"	11.3
	34235195	52 × 450 × 1¼"	11.3
	34239032	57 × 450 × 1¼"	11.3
	34239056	62 × 450 × 1¼"	11.3
	34235196	67 × 450 × 1¼"	11.3
	34239057	72 × 450 × 1¼"	11.3
	34239058	82 × 450 × 1¼"	11.3
	34239059	92 × 450 × 1¼"	11.3
	34233006	102 × 450 × 1¼"	11.3
	34239060	107 × 450 × 1¼"	11.3
	34239071	112 × 450 × 1¼"	11.3
	34239072	122 × 450 × 1¼"	11.3
	34447504	125 × 450 × 1¼"	11.3
	34239073	127 × 450 × 1¼"	11.3
	34239074	132 × 450 × 1¼"	11.3
	34239075	142 × 450 × 1¼"	11.3
	34233007	152 × 450 × 1¼"	11.3
	34239076	162 × 450 × 1¼"	11.3
	34239077	172 × 450 × 1¼"	11.3
	34239078	182 × 450 × 1¼"	11.3
	34233008	202 × 450 × 1¼"	11.3
	34239991	212 × 450 × 1¼"	11.3
	34297991	225 × 450 × 1¼"	11.3
	34239992	250 × 450 × 1¼"	11.3
	34239993	300 × 450 × 1¼"	11.3
	34239994	350 × 450 × 1¼"	11.3
	34239995	400 × 450 × 1¼"	11.3
	34239996	450 × 450 × 1¼"	11.3
	34239997	500 × 450 × 1¼"	11.3
	34471403	600 × 450 × 1¼"	11.3



## CD660 Wet drill bits for reinforced concrete



Drill motors up to 2.5 kW | soft concrete aggregate. 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.

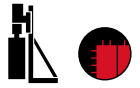


HOHL1D

Type no.	Dimension	Segment height
34239202	47 × 450 × 1¼"	11.3
34238995	52 × 450 × 1¼"	11.3
34238996	57 × 450 × 1¼"	11.3
34238997	62 × 450 × 1¼"	11.3
34238998	67 × 450 × 1¼"	11.3
34238999	72 × 450 × 1¼"	11.3
34239203	75 × 450 × 1¼"	11.3
34239000	82 × 450 × 1¼"	11.3
34239011	92 × 450 × 1¼"	11.3
34233009	102 × 450 × 1¼"	11.3
34239012	107 × 450 × 1¼"	11.3
34239013	112 × 450 × 1¼"	11.3
34239015	122 × 450 × 1¼"	11.3
34239017	127 × 450 × 1¼"	11.3
34239021	132 × 450 × 1¼"	11.3
34239023	142 × 450 × 1¼"	11.3
34233010	152 × 450 × 1¼"	11.3
34239027	162 × 450 × 1¼"	11.3
34239029	172 × 450 × 1¼"	11.3
34239030	182 × 450 × 1¼"	11.3
34233012	202 × 450 × 1¼"	11.3
34239984	212 × 450 × 1¼"	11.3
34239985	250 × 450 × 1¼"	11.3
34239986	300 × 450 × 1¼"	11.3
34239987	350 × 450 × 1¼"	11.3
34239988	400 × 450 × 1¼"	11.3
34239989	450 × 450 × 1¼"	11.3
34239990	500 × 450 × 1¼"	11.3



### CDL Wet drill bits for reinforced concrete



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	32 × 400 × R½"	7
	475024	42 × 450 × R½"	7
HOHL1D	34292638	52 × 450 × 1¼"	11.3
	34292640	62 × 450 × 1¼"	11.3
	34292816	72 × 450 × 1¼"	11.3
	34292820	82 × 450 × 1¼"	11.3
	34292821	92 × 450 × 1¼"	11.3
	34292823	102 × 450 × 1¼"	11.3
	34292824	107 × 450 × 1¼"	11.3
	34292826	112 × 450 × 1¼"	11.3
	34292827	122 × 450 × 1¼"	11.3
	34292828	127 × 450 × 1¼"	11.3
	34292829	132 × 450 × 1¼"	11.3
	34292830	142 × 450 × 1¼"	11.3
	34292831	152 × 450 × 1¼"	11.3
	34292832	162 × 450 × 1¼"	11.3
	34292833	182 × 450 × 1¼"	11.3
34292834	202 × 450 × 1¼"	11.3	
34292835	250 × 450 × 1¼"	11.3	



### CDM Wet drill bits for reinforced concrete



Drill motors 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	52 × 450 × 1¼"	11.3
	34293087	62 × 450 × 1¼"	11.3
	34293089	72 × 450 × 1¼"	11.3
	34293111	82 × 450 × 1¼"	11.3
	34293115	92 × 450 × 1¼"	11.3
	34293116	102 × 450 × 1¼"	11.3
	34293120	107 × 450 × 1¼"	11.3
	34293122	112 × 450 × 1¼"	11.3
	34293124	122 × 450 × 1¼"	11.3

● = low

● = medium






		Type no.	Dimension	Segment height
	HOHL1D	34293125	127 × 450 × 1¼"	11.3
		34293129	132 × 450 × 1¼"	11.3
		34293130	142 × 450 × 1¼"	11.3
		34293132	152 × 450 × 1¼"	11.3
		34293137	162 × 450 × 1¼"	11.3
		34293139	182 × 450 × 1¼"	11.3
		34293140	202 × 450 × 1¼"	11.3
		34293149	250 × 450 × 1¼"	11.3
		34334960	300 × 450 × 1¼"	11.3



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



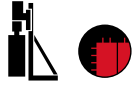
Medium-hard to hard concrete aggregates. Quality tools for everyday use. width from a diameter of 131 mm upwards.  
an impressive drilling speed-lifetime ratio. Universal use, lasting quality.  
2.0 mm segment width up to a diameter of 121 mm and 2.5 mm segment

		Type no.	Dimension	Segment height
	HOHL2	495674	36 × 350 × R½"	7
		495817	41 × 350 × R½"	7
		495818	51 × 350 × R½"	7
		495820	61 × 350 × R½"	7
		495824	71 × 350 × R½"	7
		495826	81 × 350 × R½"	7
		495830	91 × 350 × R½"	7
		495832	101 × 400 × R½"	7
		495833	111 × 400 × R½"	7
		495834	121 × 400 × R½"	7
		495836	131 × 400 × R½"	7
		495838	151 × 400 × R½"	7
		495841	161 × 400 × R½"	7
		495842	171 × 400 × R½"	7
		495843	181 × 400 × R½"	7
		495844	191 × 400 × R½"	7
		495845	201 × 400 × R½"	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	47 × 450 × 1¼"	11.3
	34239244	52 × 450 × 1¼"	11.3
	34239245	57 × 450 × 1¼"	11.3
	34206245	62 × 450 × 1¼"	11.3
	34206246	67 × 450 × 1¼"	11.3
	34239181	72 × 450 × 1¼"	11.3
	34206248	77 × 450 × 1¼"	11.3
	34206249	82 × 450 × 1¼"	11.3
	34239183	92 × 450 × 1¼"	11.3
	34203877	102 × 450 × 1¼"	11.3
	34206261	107 × 450 × 1¼"	11.3
	34206262	112 × 450 × 1¼"	11.3
	34206263	122 × 450 × 1¼"	11.3
	34239093	127 × 450 × 1¼"	11.3
	34206265	132 × 450 × 1¼"	11.3
	34239186	142 × 450 × 1¼"	11.3
	34239187	152 × 450 × 1¼"	11.3
	34206267	162 × 450 × 1¼"	11.3
	34239188	172 × 450 × 1¼"	11.3
34206269	182 × 450 × 1¼"	11.3	
34239189	202 × 450 × 1¼"	11.3	
34240086	212 × 450 × 1¼"	11.3	
34240087	250 × 450 × 1¼"	11.3	

● = 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	55 × 25 × 320
		484627	160 × 30 × 320
		484672	320 × 55 × 320

## Accessories wet drill bits

### Carrying handle

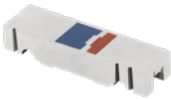


	Type no.	Connection
	34277925	½" / 1¼"

## Accessories wet drill bits

### Brazing magnets




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

## Accessories wet drill bits

### Extensions




		Type no.	Length	Connection
	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

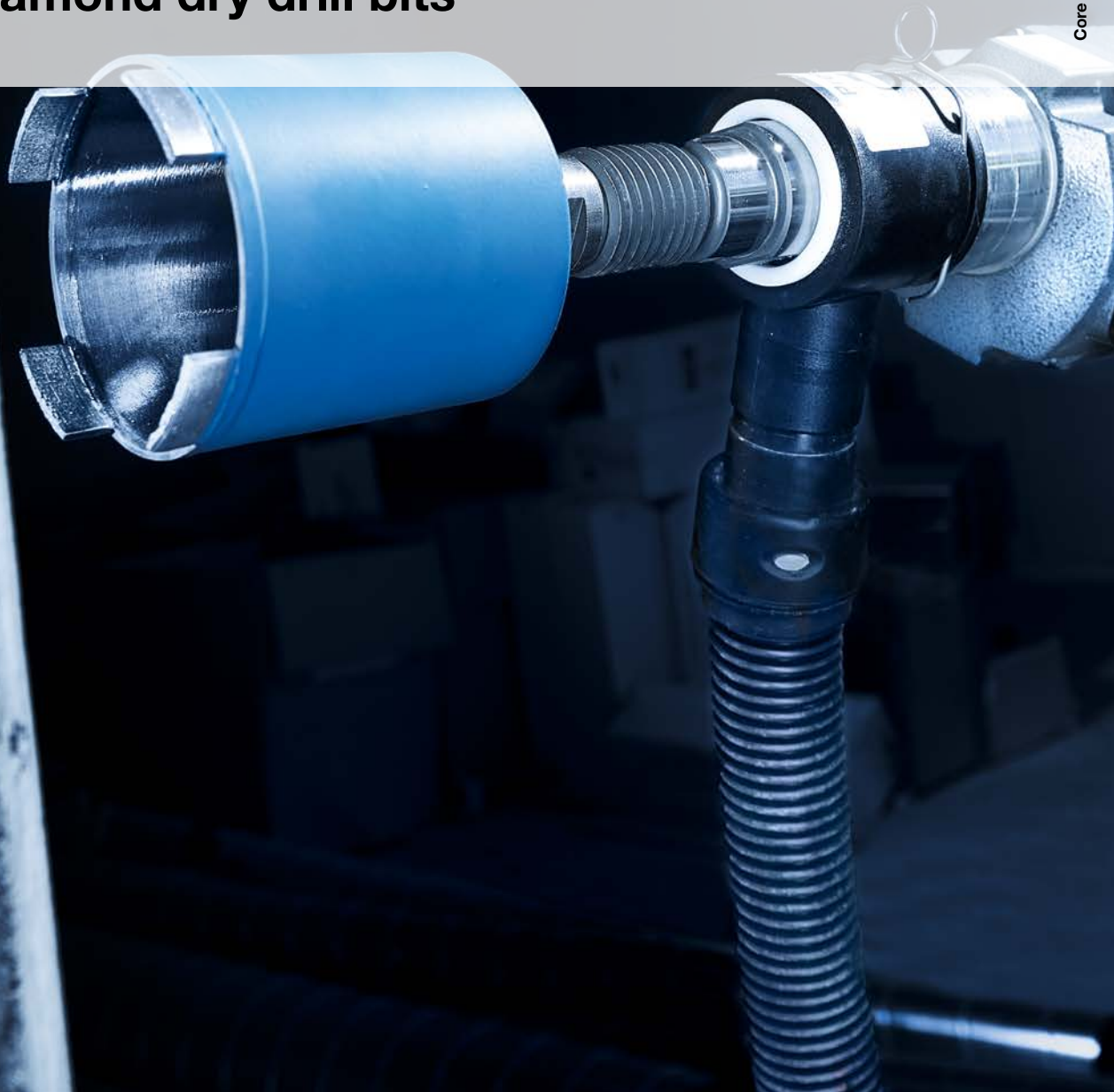
### Water liners



		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)

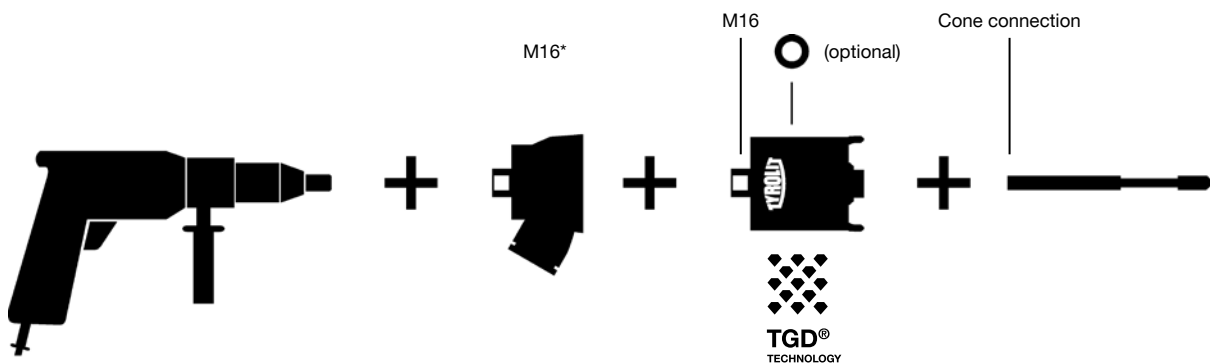
### Service

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

### Information / Recommendations

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

## Dry drilling with compact universal dust extraction system



\*Adapter suitable for all common machines (5/8", HEX SW12, SDS, M18) see page 119.

## Dry drilling in reinforced concrete

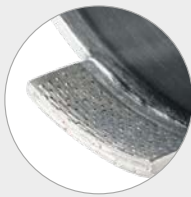
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The TYROLIT dry drilling system is the first commercial system 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 × 25 mm
34215616	Abrasive grain for dry drilling
11002426	Dry vacuum cleaner BBS 606 L (230 V)

## Accessories

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



## DDL-RM Dry drill bits

for reinforced concrete | in TGD®-Technology

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



- + **Very long lifetime.**


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

for rig-guided dry drilling applications in reinforced concrete.



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



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

\*reinforced concrete is conditionally recommended




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



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

With TGD®-Technology (TYROLIT GRAIN DISTRIBUTION), a unique technology developed by TYROLIT for the optimised distribution of grain.

	Type no.	Dimension	Segment height
	HOHLT		
	34482398	52 × 280 × 1¼"	8
	34482399	62 × 280 × 1¼"	8
	34482400	68 × 280 × 1¼"	8
	34482411	72 × 280 × 1¼"	8
	34482412	82 × 280 × 1¼"	8
	34482413	92 × 280 × 1¼"	8
	34482414	102 × 280 × 1¼"	8
	34482415	107 × 280 × 1¼"	8
	34482416	112 × 280 × 1¼"	8
	34482417	122 × 280 × 1¼"	8
	34482418	127 × 280 × 1¼"	8
	34482419	132 × 280 × 1¼"	8
	34482420	138 × 280 × 1¼"	8
	34482431	142 × 280 × 1¼"	8
	34482433	152 × 280 × 1¼"	8
	34482438	161 × 280 × 1¼"	8
	34482439	172 × 280 × 1¼"	8
	34482440	182 × 280 × 1¼"	8
	34482441	187 × 280 × 1¼"	8
34482442	202 × 280 × 1¼"	8	




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



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

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

	Type no.	Dimension	Segment height
	HOHLT		
	34418318	52 × 150 × M16	8
	34418319	57 × 150 × M16	8
	34418373	62 × 150 × M16	8
	34418379	68 × 150 × M16	8
	34418382	72 × 150 × M16	8
	34418317	82 × 150 × M16	8
	34209085	92 × 150 × M16	8
	34418385	102 × 150 × M16	8
	34418390	107 × 150 × M16	8
	34418402	112 × 150 × M16	8
	34418403	117 × 150 × M16	8
	34418544	122 × 150 × M16	8
	34418565	127 × 150 × M16	8
	34418549	132 × 150 × M16	8
	34418561	142 × 150 × M16	8
	34418563	152 × 150 × M16	8
	34418564	162 × 150 × M16	8




### DDE Dry drill bits

for lightly reinforced concrete & masonry | in TGD®-Technology



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

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




### DDL Dry drill bits

for lightly reinforced concrete & masonry



Quality tool for daily use, impressive performance and lifetime.

		Type no.	Dimension	Segment height
	HOHLT	899272	32 × 150 × M16	6.5
		899271	42 × 150 × M16	6.5
		252911	52 × 150 × M16	6.5
		252912	56 × 150 × M16	6.5
		252913	62 × 150 × M16	6.5
		252914	68 × 150 × M16	6.5
		252915	72 × 150 × M16	6.5
		252916	82 × 150 × M16	6.5
		252917	92 × 150 × M16	6.5
		252918	102 × 150 × M16	6.5
		252919	107 × 150 × M16	6.5
		34228775	111 × 150 × M16	6.5
		252920	117 × 150 × M16	6.5
		34228776	121 × 150 × M16	6.5
		252921	127 × 150 × M16	6.5
		34228777	131 × 150 × M16	6.5
		34228779	151 × 150 × M16	6.5
		252922	152 × 150 × M16	6.5
		252923	162 × 150 × M16	6.5
		252924	200 × 150 × M16	6.5






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





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

		Type no.	Dimension	Segment height
	HOHLT	650292	68 × 70 × M16	6.5
		650293	82 × 70 × M16	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 und M16 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		55 × 25 × 320
	484627		160 × 30 × 320
	484672		320 × 55 × 320



## 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	5 × 35 × HEX	4
		69833	6 × 35 × HEX	4
		69848	8 × 35 × HEX	4
		69855	10 × 35 × HEX	4
		69856	12 × 35 × HEX	4
		69860	14 × 35 × HEX	4







## Tile drilling dry

★★★  
PREMIUM

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





		Type number	Dimension	Segment height	
	HOHLT	34251679	6 × 35 × M14	10	
		34251680	8 × 35 × M14	10	
		34251711	10 × 35 × M14	10	
		34251712	12 × 35 × M14	10	
	HOHLT	34393075	5 × 67 × HEX	10	
		34393071	6 × 67 × HEX	10	
		34393072	8 × 80 × HEX	10	
		34393073	10 × 80 × HEX	10	
		34393074	12 × 80 × HEX	10	
		34393076	14 × 80 × HEX	10	

★★★  
PREMIUM

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




		Type number	Dimension	Segment height	
	HOHLT	69769	20 × 45 × M14	4	
		34214903	25 × 45 × M14	4	
		34214904	35 × 45 × M14	4	
		69768	38 × 45 × M14	4	
		34214905	42 × 45 × M14	4	
		69767	52 × 45 × M14	4	
		34369203	54 × 45 × M14	4	
		69766	65 × 45 × M14	4	
		34369204	68 × 45 × M14	4	
		51392	75 × 45 × M14	4	
		34369205	82 × 45 × M14	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 7 × 110 Open ended spanner SW19

★★★  
PREMIUM

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



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

★★★  
PREMIUM

### 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 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

 wet

 dry

 also handheld







# Accessories



available / suitable





	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DRS162	2.5		40	162	Integrated
 DRS250	2.5		50	250	Integrated
 DME33MW, DME33UW	3.3		50	250 400	DRU/DRA250 DRU/DRA400



wet



dry



also handheld

Core drilling



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



Core drilling

★★★  
PREMIUM

## Drill motor DME19DP

Core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

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

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

# System & Accessories

## Technical data

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

## Dimensions & Weight

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

## Accessories

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

## System & Accessories

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

## Accessories

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		Accessories	
11000002	Drill motor DME17DP-L	10985334	Centering spike 250-350 mm
10990100	Drill rig DRU160 dry	10984446	Centering spike 450 mm
10995437	Drill bit centring for DRU160	10994032	Adapter 1 ¼" > M16
10995087	ModulDrill™ clamping collar plate	10983964	Dust extraction adapter M16
		10983845	Centering spike 140 mm
		10986189	Centering spike 233 mm
		10986190	Strap wrench
		497322	Sharpening plate
		980304	Chisel 300 x 25 mm
		34215616	Abrasive grain for dry drilling

★★  
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

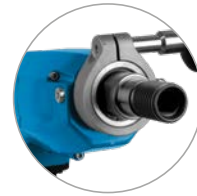
## System & Accessories

Core drilling system with DRU160 Drill rig	
10993027	Electric drill motor DME22SU
10987400	Drill rig DRU160
11002077	Fastening bolt assembly
Accessories	
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
10983964	Dust vacuum adaptor M16
10983845	Centering spike 140 mm
10986189	Centering spike 233 mm
10986190	Strap wrench

★★★  
PREMIUM

## Drill motors 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

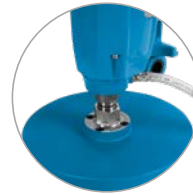
## System & Accessories

Core drilling system with DRU160 Drill rig	
10992077	Electric drill motor DME20PW
10992079	Electric drill motor DME20PU
10987400	Drill rig DRU160
976014	Vakuum set
10999500	VPE600 Vacuum pump 230V EU/CH
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 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
11002077	Fastening bolt assembly

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

10992085	Electric drill motor DME33MW
10984600	Drill rig DRU400
977368	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
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

## Drill hammer DHE32

Universal drill hammer up to Ø 32 mm

Core drilling



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



Quick tool change system for SDS Plus drill bits



Ideal for setting anchors

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

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



# System & accessories

## Technical data

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

## Drive

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

## Dimensions & weight

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

## System & accessories

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

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STANDARD

## Core drilling system DRS162

Core drilling up to Ø 162 mm



Powerful 2.5 kW Motor



One speed for drilling diameters up to 162 mm



Space-saving attachment facility via dowel foot

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

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

# System & Accessories

## Technical data

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

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

## Design

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

## Dimensions & Weight

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

## System & Accessories

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

Accessories	
974270	Extraction device for core bits
977353	Extraction device for cores
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
10991465	Water tank 10 l
10993961	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose complete 3 m

★★  
STANDARD

## Core drilling system DRS250

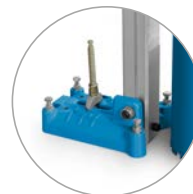
Core drilling up to Ø 250 mm



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

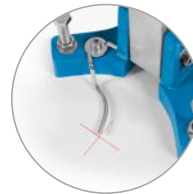
Core drilling system DRS250	
10999880	Core drilling system DRS250 / 230 V (dowel feet)
10993966	Fastening bolt assembly

Accessories	
974270	Extraction device for core bits
977353	Extraction device for cores
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
10991465	Water tank 10 l
975378	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose complete 3 m
11000617	Trolley chassis DRS250

★★  
STANDARD

## Drill rig DRA150

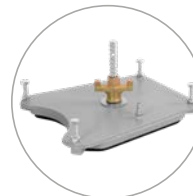
Core drilling up to Ø 152 mm



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

## System & Accessories

Accessories	
976014	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
976136	Water retention ring complete Ø 70 mm
976134	Water retention ring complete Ø 130 mm
977437	Water retention ring holder, with centering device
977348	Gasket Ø 70 mm
976128	Gasket Ø 130 mm
974270	Extraction device for core bits
977353	Extraction device for cores
976616	Tool bag
10991465	Water tank 10 l



## Drill rigs DRA250 | DRU250

Core drilling up to Ø 250 mm

Core drilling



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
10992085	El. drill motor DME33MW
11002077	Fastening bolt assembly

### Accessories DRA250

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

961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly (concret)
977464	ModulDrill™ mounting plate
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

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

10984500	Drill rig DRU250
10992085	Electric drill motor DME33MW
960795	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete

### Accessories DRU250

960795	Vacuum set
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
977464	ModulDrill™ mounting plate
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
10988902	Water retention ring complete Ø 200 mm
960785	Water retention ring holder, with centering device
960693	Gasket Ø 200 mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

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## Drill rigs DRA400 | DRU400

Core drilling up to Ø 400 mm

Core drilling



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

### Accessories DRU400

977368	Vacuum plate
10999500	VPE600 Vacuum pump 230V EU/CH

975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11000588	Fastening bolt assembly for vacuum base
11000589	Fastening bolt assembly (masonry), for vacuum base
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
964906	ModulDrill™ distance plate $\varnothing +180$ 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
11002077	Fastening bolt assembly dowel feet

### Accessories DRA400

975378	Vacuum plate complete
10999500	VPE600 Vacuum pump 230V EU/CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
11002077	Fastening bolt assembly concrete dowel feet
964906	ModulDrill™ distance plate $\varnothing +180$ mm
11002624	Drill hammer DHE32 / 230 V incl. 16 mm drill
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



# Other

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Notes

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TYROLIT



# Notes

# 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

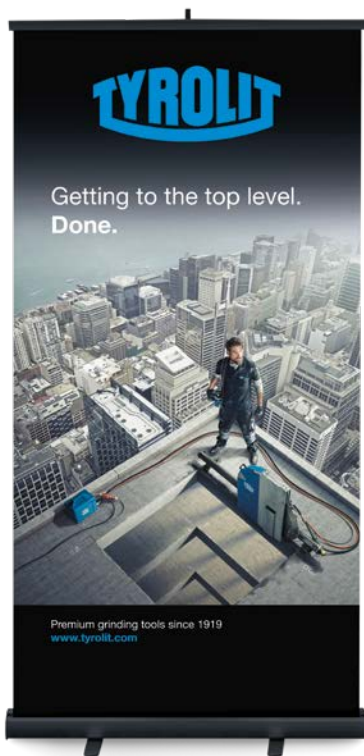
For choosing the right tool, the TYROLIT POS system offers complete support. Clear colour guidance systems, pictograms easy to understand and application advices: a flexible and easy to use presentation medium, optionally as Wall Display, Floor Display or Counter Display.

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



POS

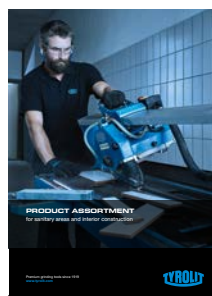
Other



Roll-Up



Poster



Leaflets



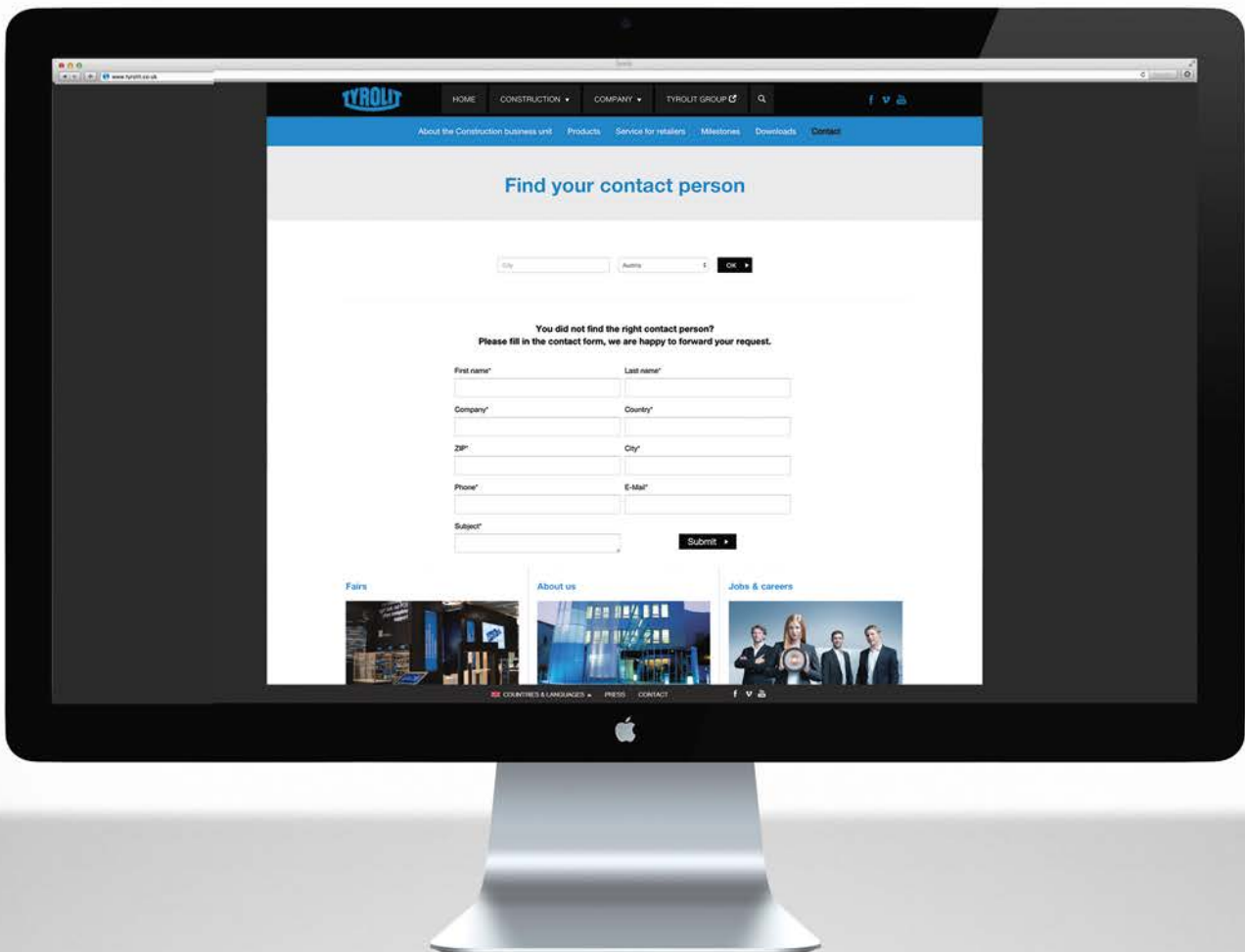
Beach-Flag



# TYROLIT addresses

Find your local representative on our website.  
Please find all locations and contact information  
via the »contact« tab.

www.tyrolit.com



# Catalogue

## General information

The tools shown in this catalogue, the information regarding delivery, appearance, performance and dimensions shall comply with the according status at the time of printing. We develop our products continuously. We reserve the right to change without prior notice. All errors and misprints reserved.

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