CONSTRUCTION TRADE

English | 2015 - 16



A Company of the SWAROVSKI Group www.tyrolit.com

Construction trade Product catalogue



TYROLIT Group A global company

As one of the world's leading manufacturers of bonded grinding, cutting, sawing, drilling and dressing tools and a system supplier of tools and machines for the construction industry, the familyrun TYROLIT company has been synonymous with superior quality, innovative spirit and outstanding service since 1919.

Day in, day out the experts at TYROLIT are busy working on solutions that accommodate the individual requirements of customers around the world; thus contributing to their business success. Some 80,000 available products set the standard in various industrial sectors.



Business units

TYROLIT offers its customers cost-efficient and "green" solutions in four business units. Moreover, with its global sales network and a team of experienced application engineers, TYROLIT provides top-quality service.



Construction

In the Construction business unit TYROLIT is a leading system supplier of sophisticated drilling systems, wall and wire saws, floor saws and for grinding uneven surfaces such as motorways made of concrete.



Trade

Thanks to its global sales network, in addition to premium product solutions in the three core areas of cutting, grinding and finishing, TYROLIT's Trade business unit guarantees truly customer-focused marketing support.



Metal / Precision

From precision machining in the engine and gear industry to the production of cut-off wheels with diameters up to 2,000 mm for the steel industry – the TYROLIT product range in the Metal & Precision business unit includes high-tech tools for a huge variety of applications.



Stone-Ceramics-Glass

Our customised diamond tools and grinding solutions in the Stone – Ceramics – Glass business unit cannot fail to impress through their exceptional performance and quality.

Quality and Innovation

TYROLIT is one of the world's market leaders in this sector. For us, maximum precision is paramount – both in the quality of the manufactured products and where innovation is concerned. Continuous further development and improvement of products in all business units is one of our primary corporate objectives.

Expertise for our customers

TYROLIT offers its customers a firstclass service in the form of ongoing advice and support. In each of our business units a team of specialists with years of experience in the industry assists and supports our customers worldwide with individual on-site expertise.

Customised products

TYROLIT has a huge and varied product range for numerous fields of application. These include both standard products for everyday use and individually adapted, made-to-order products for customer-specific processes. Together with our customers, we find the most cost-effective solution for the task with which we are entrusted.

International production and sales locations

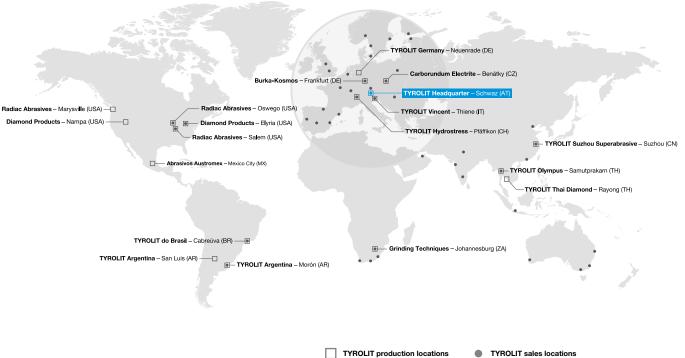
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.

Everyday our several hundred field service colleagues are working hard in the market alongside our end customers, in order to be able to provide them with advice and support whenever they need it. Of course, with these countless visits we constantly witness new challenges for application technology, which we view as opportunities for new products.



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

Distributors in more than 65 countries across the globe



(sites are only named once)

(sites are only named once; includes service centres)



Global focus

TYROLIT believes in thinking and acting globally. With a worldwide sales network currently in 65 countries and with production plants in 12 countries, we offer our customers all the advantages of a globally active company.



Local availability

Think globally, act locally – in your local language and right on your premises. This is the principle we follow as we grow hand-in-hand with our customers. Local contacts and technical distribution in numerous countries guarantee you the best possible customer support.



Customer service

A coordinated supply chain – from production to delivery – guarantees on-time delivery for customers. Moreover, the use of modern planning systems and a team of specialised customer service employees ensures orders are processed quickly and smoothly.



Global logistics

With 10 warehouses around the world, we ensure the best possible product availability for customers 365 days a year.

TYROLIT warehouses

- Argentina
- Brazil
- France
- Spain
- Thailand
- Great Britain

Czech Republic

- USA
- Austria
- South Africa



3.300.000

consignments leave the Benatky site every year.

7.700.000

consignments leave the Schwaz site every year.

Quality lines

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

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



PREMIUM ***

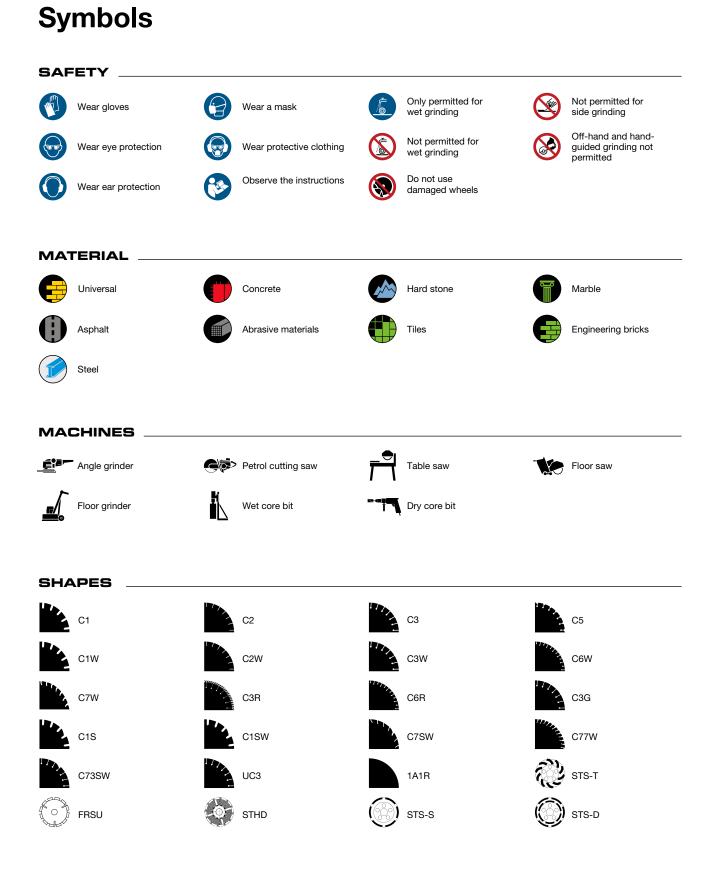
- Maximum cutting ability and stock removal rate
- Above-average lifetime
- The best work results
- Maximum economic efficiency
- Extensive product range the perfect product for every application
- Use of the most innovative technology and the best raw materials
- Maximum comfort for the user thanks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

STANDARD**

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

BASIC*

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



SPECIFIC INFORMATION DIAMOND TOOLS

Product label



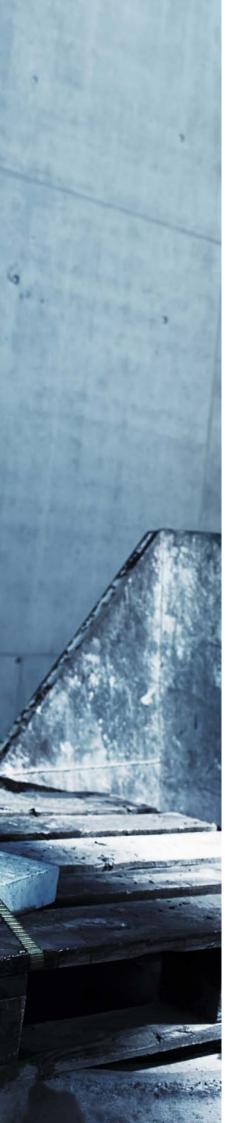
Colour codes



		FC	FASTCUT		
		S	SILENT		
		LL	LONGLIFE		
	***		PREMIUM***		
	**		STANDARD**		
	*		BASIC* Abrasive materials		
AB	*				
U			Universal building materials		
С			Concrete		
н			Hard stone		
A			Asphalt		
м			Marble, soft stone		
т			Tiles, ceramics		

Specification





FREE HAND

Dry cutting Diamond cup wheels Hand- and ring saw blades Machines

TABLE SAWING

Table saw blades Machines

FLOOR SAWING

Floor saw blades Machines

FLOOR GRINDING

Machines Tools

CORE DRILLING

Wet drilling Dry drilling Tile Drills Machines

NOTES

Safety General **TYROLIT Adresses**

SYMBOLS _

Safety Material Machines Shapes



FREE HAND

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DRY CUTTING SAW BLADES FOR ANGLE GRINDERS AND PETROL SAWS

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

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

TGD®-technology

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

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
- Maximum working speed 80m/s

Application recommendation

							T			
Performance level	Specification	Pages	Universal	Concrete	Hard stone	Abrasive materials	Soft stone	Asphalt	Tiles	Steel
PREMIUM***	DCU*** 4in1 TGD	18	•	•	٠					•
	DCU***	19	•							
	DCU***-FC 4in1	19	•							
	DCU***-S	19	•							
	DCC***	21		٠						
	DCC***-FC	22		•						
	DCH*** TGD	23			٠					
	DCH***	24			٠					
	DCH***-FC	24			٠					
	DCAB***	25				•				
	DCA***	27						•		
	DCA+C*** 2in1	28		•				•		
	DCM***	26					٠			
	DCT***	26							•	

Performance level	Specification	Pages	Universal Concrete Asphalt
Performance level	DCU**	20	•
	DCU**-FC	20	•
	DCC**	22	•
	DCC**-LL	23	•
	DCA**	27	•





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Performance level	Specification	Pages	Universal Concrete	Hard stone	Abrasive materials	Asphalt	Tiles
BASIC*	DCU*	20	•				
	DCU*-FC	21	•				
	DCH*	25		•			
	DCA*	28				•	
	DCAB*	26			•		
	DCT*	27					•
	DCA+C* 2in1	29	•			•	

PREMIUM *** DRY CUTTING SAW BLADE DCU*** 4IN1 | IN TGD®-TECHNOLOGY

- + Low cutting costs because of high cutting speed.
- + Universal use on concrete, hard stone, abrasive materials and steel.

impresses with excellent results when cutting concrete, hard stone, abrasive materials and steel.

The possibility for universal use offers the user a product which is readyReduced load for the user as a result of unique smooth running.

Materials able to be machined: Universal building materials, such as concrete, natural stone, clay brick, cellular concrete, etc. Details: the DCU***4in1 dry cutting saw blade

to-use at any time without a wheel change and ensures the successful completion of a project.

PREMIUM *** DRY CUTTING SAW BLADE DCU***4in1 | in TGD®-Technology



	Shape	Type No.	Dimension	Segment height	
		704617	230x2.4x22.23	14	<u>É</u> !a=
		736088	300x2.6x20	14	
		22373	300x2.6x22.23	14	_
X I Y		59580	300x2.6x25.4	14	_
		350x3x20	14		
		14	_		
		59543*	400x3x20	14	_
		59545*	400x3x25.4	14	_

*Only permitted for wet grinding



PREMIUM *** DRY CUTTING SAW BLADE DCU***

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

	Shape	Type No.	Dimension	Segment height	
	C6W	464537	115x2.2x22.23	10	
		464539	125x2.2x22.23	10	-
		464540	150x2.4x22.23	12	<u>É</u> iar
		464543	180x2.4x22.23	12	_
		464544	230x2.4x22.23	12	_
		464545	300x2.6x20	12	
		464546	300x2.6x22.23	12	_
		464549	300x2.6x25.4	12	_
		464551	350x3x20	12	
		464552	350x3x22.23	12	- -
		464553	350x3x25.4	12	
		464555	400x3x20	12	
		464556	400x3x25.4	12	_
DCU***-FC 4in1					
A COMPANY	C6R	474743	115x2x22.23	10	
		474746	125x2x22.23	10	_
Con J		474751	150x2.4x22.23	9	<u>É</u> iar
and a state of the		474752	180x2.4x22.23	9	_
		474753	230x2.4x22.23	9	_
DCU***-S in Silent	design				
	C3G	474771	230x2.6x22.23	9	<u><u> </u></u>

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STANDARD ** DRY CUTTING SAW BLADE DCU**

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

	Shape	Type No.	Dimension	Segment height	
	C3	467443	115x2x22.23	7	
		467444	125x2x22.23	7	_
		467445	150x2.6x22.23	9	
KLI		467446	180x2.6x22.23	9	
		467448	230x2.6x22.23	9	
		464853	300x2.6x20	10	
		464854	300x2.6x22.23	10	
		464855	300x2.6x25.4	10	
		464858	350x3x20	10	- -
		464859	350x3x25.4	10	
		465667 400x3.2x20	400x3.2x20	10	
DCU**-FC					
	C3F	R 467414	115x2x22.23	7	
		467416	125x2x22.23	7	
		467428	150x2.4x22.23	9	
		467430	180x2.4x22.23	9	_
		467431	230x2.4x22.23	9	_
		467433	300x3x20	10	
		467434	300x3x22.23	10	_
		467435	300x3x25.4	10	- C)\$>
		467436	350x3x20	10	_
		467439	350x3x25.4	10	-

BASIC * DRY CUTTING SAW BLADE DCU*



Materials able to be machined: 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 No.	Dimension	Segment height	
	C3	466082	105x2x20	7	
		466083	115x2x22.23	7	-
		466084	125x2x22.23	7	
		466086	150x2.6x22.23	9	
		466087	180x2.6x22.23	9	-
		466090	230x2.6x22.23	9	-

	Shape	Type No.	Dimension	Segment height	
	C3	466093	300x2.6x20	10	
	2	466094	300x2.6x22.23	10	-
		466095	300x2.6x25.4	10	-
		466096	350x3x20	10	
		466098	350x3x22.23	10	
		466099	350x3x25.4	10	-
		529399	400x3.2x25.4	10	-
		529401	450x3.2x25.4	10	-
DCU*-FC					
and the second se	C3R	467266	105x2x20	7	
	2	467267	115x2x22.23	7	_
		467268	125x2x22.23	7	
		467271	150x2.4x22.23	9	
		467273	180x2.4x22.23	9	-
		467276	230x2.4x22.23	9	-
		467280	300x3x20	10	
		467281	300x3x22.23	10	-
		467282	300x3x25.4	10	
		467285	350x3x20	10	
		467288	350x3x22.23	10	-
		467289	350x3x25.4	10	_

PREMIUM*** DRY CUTTING SAW BLADE DCC***



Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc.

	Shape		Type No.	Dimension	Segment height	
	and the second se	C6W	465488	115x2.2x22.23	10	
			465489	125x2.2x22.23	10	_
			465490	150x2.4x22.23	12	<u> </u>
- ALLIN			465491	180x2.4x22.23	12	_
			465492	230x2.4x22.23	12	_
			465493	300x2.6x20	12	
			465494	300x2.6x22.23	12	_
			465495	300x2.6x25.4	12	_
			465496	350x3x20	12	
			465498	350x3x22.23	12	-
			465499	350x3x25.4	12	-
			465501	400x3x20	12	-

PREMIUM*** DRY CUTTING SAW BLADE

DCC***-FC Wall chaser blade

Materials able to be machined: Concrete, clay brick, cellular concrete. Details: tool for the milling of slots in concrete and masonry.

	Shape	Type No.	Dimension	Segment height	
	C3R	598008	125x2x22.23	7	
		598010	140x2.4x22.23	9	
		598011	150x2.4x22.23	9	

For use with all common wall chasers.

STANDARD** DRY CUTTING SAW BLADE DCC**

Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc.

	Shape	Type No.	Dimension	Segment height	
	C3	474774	115x2x22.23	7	
		474775	125x2x22.23	7	-
		536789	130x2.2x22.23	7	<u>É</u> :3-
L.L.L		474777	150x2.6x22.23	9	
		474778	180x2.6x22.23	9	-
		474780	230x2.6x22.23	9	-
		465503	300x2.6x20	10	
		465505	300x2.6x22.23	10	-
		465507	300x2.6x25.4	10	_
		465509	350x3x20	10	- G () >
		465662	350x3x22.23	10	_
		465512	350x3x25.4	10	_
		485041	400x3x20	10	-



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STANDARD ** DRY CUTTING SAW BLADE

DCC**-LL

Materials able to be machined: concrete, reinforced concrete, concrete products, hard materials, etc.

	Shape	Type No.	Dimension	Segment height	
	C3W	484994	300x2.6x20	10	
ê 🚛 🎙		484996	300x2.6x22.23	10	
- 		484999	300x2.6x25.4	10	- - (\$)\$>
the second and the		485001	350x3x20	10	
		485003	350x3x22.23	10	_
		485004	400x3.2x20	10	_

PREMIUM *** DRY CUTTING SAW BLADE DCH *** | IN TGD®-TECHNOLOGY

- + Low cutting costs because of high cutting speed.
- + **No reworking** due to very clean cutting edges.
- + Reduced load for the user as a result of unique smooth running.



Consistently very fast
 cutting performance, very
 long lifetime and noticeable
 smooth running
 with TGD[®]-technology (Tyrolit
 Grain Distribution), a unique
 technology developed by
 Tyrolit for the optimised distribution of grain.

Materials able to be machined: Concrete blocks, granite, gneiss, porphyry, paving slab, etc. Details: the DCH*** dry cutting saw blade, specially developed using TGD® technology for hard stone, impresses with its cutting ability and smooth running. Reduced effort over the entire lifetime allows for higher productivity. The perfectly optimised segments for the application create very clean, chip-free edges and ensure a flawless result.

PREMIUM *** DRY CUTTING SAW BLADE

DCH*** | in TGD®-Technology

	Shape	Type No.	Dimension	Segment height	
	C3W	707365	230x2.4x22.23	14	<u>É</u> !a
		736095	300x2.6x20	14	
		43485	300x2.6x25.4	14	_
X PY		736105	350x3x20	14	- ()
		43490	350x3x25.4	14	-

PREMIUM *** DRY CUTTING SAW BLADE

DCH***

Materials able to be machined: Granite, gneiss, porphyry, paving slab, hard

limestone, etc.

Shape	Type No.	Dimension	Segment height	
C6W	464698	125x2.2x22.23	10	
	464702	300x2.6x20	12	
	464703	300x2.6x22.23	12	-
	464706	300x2.6x25.4	12	-
	464707	350x3x20	12	- C);>
	464710	350x3x22.23	12	-
	464711	350x3x25.4	12	-
	464712	400x3x20	12	-

PREMIUM *** DRY CUTTING SAW BLADE

DCH***-FC

The DCH***-FC from TYROLIT enables the user to carry out cutting work swiftly and to precise dimensions, without any great exertion. The DCH***-FC is an ultra-thin diamond cut-off wheel with a segment thickness of 1.2

or 1.9 mm. It is distinguished by an extremely high cutting ability with minimal dust generation and extremely smooth running.

	Shape		Type No.	Dimension	Segment height	
		C3	475790	115x1.2x22.23	7	
	1		475793	125x1.2x22.23	7	É.
	177	C3W	475797	180x1.9x22.23	9	
	1		475800	230x1.9x22.23	9	-





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BASIC * DRY CUTTING SAW BLADE DCH*

Materials able to be machined: Granite, porphyry, paving slab, hard limestone, etc.

	Shape	Type No.	Dimension	Segment height	
	C3	467386	115x2x22.23	7	
	2	467387	125x2x22.23	7	
- 		467388	180x2.6x22.23	9	
		467389	230x2.6x22.23	9	_
		467391	300x2.6x20	10	
		467392	300x2.6x22.23	10	_
		467394	300x2.6x25.4	10	- A tion
		467395	350x3x20	10	
		467396	350x3x22.23	10	_
		467400	350x3x25.4	10	_

PREMIUM *** DRY CUTTING SAW BLADE DCAB***

Materials able to be machined: abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc.

Shape	Type No.	Dimension	Segment height	
C3W	465976	115x2.2x22.23	10	
2	465977	125x2.2x22.23	10	-
	465979	150x2.2x22.23	10	<u>É</u> :3
C3SW	465980	230x2.4x22.23	10	_

PREMIUM *** DRY CUTTING SAW BLADE

DCAB***-tuck point blade

Materials able to be machined: mortar joints. Details: tool for milling and repairing mortar joints

Shape	Туре No.	Dimension	Segment height	
FRSU	563873	115x7.2x22.23	7	_
	535829	125x7.2x22.23	7	

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Free hand

BASIC * DRY CUTTING SAW BLADE DCAB*

Materials able to be machined: abrasive concrete, cellular concrete, floor pavement, plaster, pumice stone, etc.

	Shape	Type No.	Dimension	Segment height	
	C3W	465672	115x2.2x22.23	9	
0	2	465674	125x2.2x22.23	9	
		465677	150x2.2x22.23	10	
		465686	230x2.4x22.23	10	_

PREMIUM *** DRY CUTTING SAW BLADE

DCM***

Materials able to be machined: marble, fibreglass reinforced plastic, PVC, electroplated coating, also suitable for rescue operations. carbon fibre, composites, fibreglass, bulletproof glass, etc. Details: with

	Shape	Type No.	Dimension	Segment height	
	U	C3 315968	115x2.5x22.23	2	
		315967	125x2.5x22.23	2	-
		547611	150x3x22.23	2	<u>É</u> !3—
the second second		315966	180x3x22.23	2	-
		315965	230x3x22.23	2	-
		490961	350x3x20	2.5	- 6
	490962	350x3x25.4	2.5		

PREMIUM*** DRY CUTTING SAW BLADE DCT***



Materials able to be machined: Ceramic tile, fine stoneware, porcelain. of 105 mm. Details: A 20-16 mm reduction bush is supplied with a disc diameter

	Shape	Type No.	Dimension	Segment height	
	1A1R	639558	105x1x20	10	
		639559	115x1.2x22.23	10	-
		639560	125x1.2x22.23	10	É
· · · ·		676791	200x1.6x22.23	10	-
		639635	230x1.6x22.23	10	-





BASIC * DRY CUTTING SAW BLADE DCT*

Materials able to be machined: Ceramic tiles.

	Shape	Type No.	Dimension	Segment height	
	1A1R	475975	100x1.6x23.23	7	
		475978	115x1.6x22.23	7	_
		475980	125x1.6x22.23	7	<u>É</u> :2
		475983	180x2x22.23	9	_
		475986	230x2x22.23	9	-

PREMIUM *** DRY CUTTING SAW BLADE DCA***

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

	Shape		Туре No.	Dimension	Segment height	
	C75	C7SW	465982	300x2.8x20	10	
			465983	300x2.8x22.23	10	_
			465984	300x2.8x25.4	10	
C. C. C. C.			465985	350x3x20	10	
			465987	350x3x25.4	10	

STANDARD★★ DRY CUTTING SAW BLADE

DCA**

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

	Shape	Type No.	Dimension	Segment height	
	C1SW	465519	300x2.8x20	10	
		465520	350x3x20 350x3x25.4	10 10	-
		465522			- G
		465525	400x3.2x25.4	10	-
		465526	450x3.6x25.4	10	-



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BASIC * DRY CUTTING SAW BLADE DCA*



Materials able to be machined: Asphalt, sandstone, extremely abrasive materials.

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PREMIUM *** DRY CUTTING SAW BLADE DCA+C***-2IN1

- + **Increased flexibility** suitable for cutting stone and concrete.
- Can also be used on floor saws and for wet cutting thanks to optimised specification.



 Inclined protective segments guard against segment loss reduce the effect of the undercutting of the core.

Materials able to be machined: asphalt, green concrete with soft to

hard material aggregates and a small amount of cured concrete. Details:

protective segments against the undercutting-effect.

PREMIUM *** DRY CUTTING SAW BLADE

DCA+C***-2in1



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	Shape	Type No.	Dimension	Segment height	
	C73SW	465640	300x2.6x20	10	
		465642	350x3x25.4	10	- () - 1/2
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BASIC * DRY CUTTING SAW BLADE

DCA+C*-2in1

Materials able to be machined: 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 No.	Dimension	Segment height	
	C1SW	736309	300x2.8x20	10	
	2	736311	300x2.8x25.4	10	- Gø >
		736313	350x3x20	10	
the contraction		80653	350x3x25.4	10	

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DIAMOND CUP WHEELS

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DIAMOND CUP WHEELS



DIAMOND CUP WHEELS FOR ANGLE GRINDERS

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

Service

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

Remarks / Recommendations

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

Application recommendation

Performance level	Specification	Pages	Universal
PREMIUM***	DGU***	34	•
	DGU*** Turbo	34	•

Performance level	Specification	Pages	Universa
STANDARD**	DGU** Single row	35	•
	DGU** Double row	35	•
	DGU** Turbo	35	•

33

+ Quick dust removal

PREMIUM *** DIAMOND CUP WHEEL DGU ***-TURBO | W-SEGMENT

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

PREMIUM*** DIAMOND CUP WHEEL

DGU***-Turbo | W-Segment

	Shape	Type No.	Dimension	Segment height
all as	STS-T	598061	100x18x22.23	5
		34179930	125x20x22.23	5
	~	34179971	180x32x22.23	5

PREMIUM * * * DIAMOND CUP WHEEL DGU***

Materials able to be machined: Concrete, natural stone and general building materials. Details: with PU foam coating for quiet grinding and shaping of corners and edges.

	Shape	Type No.	Dimension	Segment height
THOLE	STHD	356569	100x18x22.23	5
	FG	350694	110x18x22.23	5
	- 44,	367833	110x18xM14	5
		348387	125x18x22.23	5
		828013	180x19x22.23	5





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STANDARD★★ DIAMOND CUP WHEEL

DGU**-Double row

Materials able to be machined: Concrete, natural stone and general building materials. Details: double row segments for medium stock removal

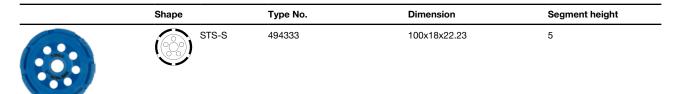
and long lifetime. A 22, 23-16 mm reduction bush is supplied with wheel diameters of 100 and 110 mm.

Shape	Type No.	Dimension	Segment height
STS-D	494339	100x18x22.23	5
	494349	110x18x22.23	5
	494361	125x18x22.23	5
	494394	180x32x22.23	5
		STS-D 494339 494349 494361	STS-D 494339 100x18x22.23 494349 110x18x22.23 494361 125x18x22.23

STANDARD ** DIAMOND CUP WHEEL

DGU**-Single row

Materials able to be machined: Concrete, natural stone and general building materials. Details: single row segments for high stock removal. A 22, 23-16 mm reduction bush is supplied.



STANDARD ** DIAMOND CUP WHEEL

DGU**-Turbo

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 No.	Dimension	Segment height
Alle	STS-T	494342	100x18x22.23	5
TIRQUE		494365	125x20x22.23	5
	~	494391	180x32x22.23	5

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HAND- AND RING SAW BLADES



HAND- AND RING SAW BLADES FOR PETROL SAWS

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	Pages	Concrete
PREMIUM***	HSL*** TGD	40	•
	RSL***	40	•
	RSM***	41	•

Colour indication

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

PREMIUM *** HAND-HELD SAW BLADE HSL*** | in TGD®-Technologie

Materials able to be machined: usage on reinforced or normal concrete with wall thicknesses of up to 15 cm.

Details: application in system with fuel operated, electric or hydraulic cutoff machines.

	Shape	Type No.	Dimension	Segment height
APPRIL PROPERTY AND	C77W	54902	405x2.8x25.4	13
		732290	416x2.8x25.4	13

PREMIUM ★★★ RING SAW BLADE RSL*** | Ø 406 mm / 506 mm

Materials able to be machined: 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		Туре No.	Dimension	Segment height
	C1W	738471	406x3.9x326.8	10
2		738473	506x3.9x421.7	10

PREMIUM *** RING SAW BLADE RSL*** | Ø 366 mm

Materials able to be machined: 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	Туре No.	Dimension	Segment height
C1W	739886	366x4.2x25.4	10





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Free hand





Materials able to be machined: 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 No.	Dimension	Segment height
C1W	739887	366x4.2x25.4	10

e = low

= medium

RING SAW HRG500***

Cutting depth up to 400 mm





Exceptional power transfer and no slippage thanks to patented drive roller system.



Unique cutting depth up to 400 mm.



Reliable Dolmar petrol engine.

The HRG500*** is a unique, petrol-powered hand saw for wall and floor cuts to 400 mm. The ring saw prevents overcuts and therefore offers an alternative to corner drilling and diamond chain saws. The patented, self-torque and anti-slip drive roller system ensures excellent power transfer and prevents slippage.

System & Accessories

Technical data

Saw blade		
Max. cutting depth	400 mm	
Max. saw blade Ø	500 mm	

Drive

Drive/motor	Petrol, 2 stroke
Туре	Dolmar 6400
Power	4.8 HP
Displacement	64 cc

System & Accessories

Ring Saw HRG500***		
10991778	Ring Saw HRG500***	
Accessories		
	Upper drive roller	
10991812		

Dimensions & Weight

Length	640 mm
Width	260 mm
Height	510 mm
Weight	13.5 kg

RING SAW

Cutting depth up to 400 mm



The HRH500^{***} is a unique, hydraulic hand saw for wall and floor cuts to 400 mm. The ring saw prevents overcuts and therefore offers an alternative to corner drilling and diamond chain saws. The patented, self-torque

and anti-slip drive roller system ensures excellent power transfer and prevents slippage. An optional flow divider permits use with a variety of hydraulic drive systems.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	400 mm
Max. saw blade Ø	500 mm

Drive

Drive/motor	Hydraulic
Туре	Casappa
Max. flow	30 l/min
Max. pressure	172.5 bar

System & Accessories

Ring Saw HRH5	500***
10991469	Ring Saw HRH500***
Zubehör	
10991989	Flow-volume splitter (30 l/min, 170 bar)
10991881	Hydraulic seal / bearing rebuild kit
10992895	Upper drive roller
10991813	Lower drive roller

Dimensions & Weight

Length	660 mm
Width	260 mm
Height	483 mm
Weight	12.6 kg



TABLE SAWING

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TABLE SAWING



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.

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Application recommendation

			\bigcirc					
Performance level	Specification	Pages	Universal	Hard stone	Engineering bricks	Abrasive materials	Soft stone	Tiles
PREMIUM***	TSU***	50	•					
	TSU***-Silent	51	•					
	TSS10***	52			٠			
	 EH-T***	51		•				
	F40***	51				•		
	ES-T***	52					•	
	DCT***	52						•

Service

- + Quick delivery
- + Available in all relevant diameters
- + All relevant dimensions on stock
- + Designed to perfectly harmonize 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 63m/s
- Tools only to be used for wet-cutting (exceptions are explicitly stated)

PREMIUM *** TABLE SAW BLADE

- Universal use for various building materials, such as clay brick, concrete, sand-lime brick, etc.
 + Broad product range
- Materials able to be machined: cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35-30

and lifetime

mm and 30-25.4 mm reduction bushes are included with disc diameters up to 900 mm. A 60-55 mm reduction bush is supplied with disc diameters of 900 mm and upwards.

PREMIUM★★★ TABLE SAW BLADE TSU***

	Shape	Type No.	Dimension	Segment height
	C2W	34180849	250x2.2x35	10
		34180294	300x2.4x35	10
		34180293	350x2.8x35	10
KUNN		34180291	400x3.2x35	10
		34180270	450x3.2x35	10
		34180268	550x3.6x35	10
	C1W	34180263	625x3.6x60/55	10
	2	34171018	650x3.9x60/55	10
		34171019	700x3.9x60/55	10
		34171020	900x4.8x60/55	10
		34171031	1000x4.8x60/55	10



PREMIUM *** TABLE SAW BLADE

TSU***-Silent

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 900 mm. A 60-55 mm reduction bush is supplied with disc diameters of 900 mm and upwards.

Shape Type No. Dimension Segment height C2GW 34180292 350x2.8x35 10 C1GW 34181275 625x3.6x60 10 34180295 700x3.9x60/55 10

PREMIUM*** TABLE SAW BLADE

EH-T***

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

	Shape	Type No.	Dimension	Segment height
	C2W	5687	250x2.2x35	7
		5688	300x2.6x35	7
		5689	350x2.8x35	7
KI LANN				

PREMIUM*** TABLE SAW BLADE

F40***

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

	Shape	Type No.	Dimension	Segment height
	C2W	817606	300x2.4x25.4	7
		817603	350x2.8x25.4	7
		817607	400x3.2x25.4	7
		547136	500x3.6x25.4	7





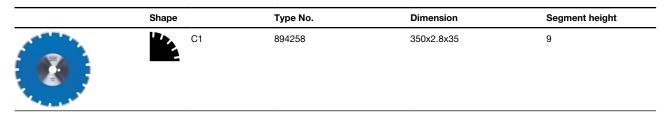


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PREMIUM *** TABLE SAW BLADE

TSS10***

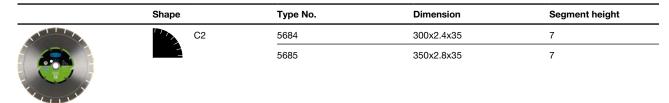
Materials able to be machined: type TSS10 has been specially designed for the machining of engineering bricks (e.g. Stradalit). Details: 35-30 mm and 30-25.4 mm reduction bushes are supplied.



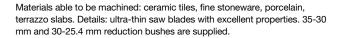
PREMIUM *** TABLE SAW BLADE

ES-T***

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.



PREMIUM*** TABLE SAW BLADE DCT***



	Shape	Type No.	Dimension	Segment height
\bigcirc	1A1R	639566	180x1.4x35	10
		701934	200x1.6x35	10
		639568	230x1.6x35	10
		639569	250x1.6x35	10
		639570	300x2x35	10
		639571	350x2x35	10







www.tyrolit.com



Cutting depth up to 60 mm



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 (1050 mm)*
Saw blade speed	2800 rpm
Saw blade holder Ø	25.4 mm
* Plunge cut	

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	

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	1375 mm
Width	740 mm
Height	1275 mm
Weight	79 kg

MASONRY SAW TBE350 * *

Cutting depth up to 110 mm



The TBE350** table saw offers an uncompromising price-performance ratio as well as high flexibility through numerous settings and application options. A sturdy saw table with anti-slip support guarantees clean cuts. The swivelling saw head allows mitre cuts to be made with ease. Detachable table feet and transport wheels ensure trouble-free transport.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	110 mm
Max. saw blade Ø	350 mm
Cutting length	600 mm
Saw blade speed	2800 rpm
Saw blade holder Ø	25.4 mm

Drive

Drive / motor	Electric
Output 2	2.2 kW
Standard voltage/frequency 2	230 V / 50 Hz
Optional voltage/frequency	110 V / 60 Hz
Engine cooling A	Air cooling
Saw blade drive	Direct

Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function
Cap cutting function
Water tank made from powder-coated steel
Electric water pump
Dismantable

Dimensions & Weight

Length	1140 mm
Width	640 mm
Height	1230 mm
Weight	79 kg

System & Accessories

Masonry TBE350**	
10981423	Masonry saw TBE350** / 230 V
10981424	Masonry saw TBE350** / 110 V

MASONRY SAW

Cutting depth up to 270 mm



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	1380 rpm	
Saw blade holder Ø	60 mm	
Carrier Ø	11.5 mm	
Reference circle Ø	120 mm	

Electric

5.5 kW

400 V / 50 Hz

Air cooling

Direct

System & Accessories

Masonry saw TME700***		
10989600	Masonry saw TME700*** / 400 V	

Accessories

10978735	Mitre stop (Jolly table)

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Engine cooling

Saw blade drive

Drive Drive/motor

Output

Standard voltage/frequency

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	1470 mm
Width	910 mm
Height	1350 mm
Weight	220 kg

MASONRY SAW

Cutting depth up to 380 mm



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	1000 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	

System & Accessories

Masonry saw IN	/E1000^^^	
10989800	Masonry saw TME1000*** / 400 V	

Accessories

10978735 Mitre stop (Jolly table)

Table sawing

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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
Transport hook and fork lift guides
Pull-out water tank
Electric water pump

Dimensions & Weight

Length	1800 mm
Width	1030 mm
Height	1500 mm
Weight	324 kg



FLOOR SAWING

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FLOOR SAW BLADES



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 1200 mm in various segment widths

Colour indication



Specification	Pages	Cured Asphalt Green concrete concrete
FSL***-C TGD	66	•
FSM***-C TGD	67	•
FSC***	67	•
FSL***-A	68-69	•
FSA***	69	•
FSL***-G4	71	•
FSM***-G4	71	٠
DCA+C***	70	• •
	FSL***-C TGD FSM***-C TGD FSC*** FSL***-A FSA*** FSA*** FSL***-G4 FSM***-G4	FSL***-C TGD 66 FSM***-C TGD 67 FSC*** 67 FSC*** 67 FSL***-A 68-69 FSA*** 69 FSL***-G4 71 FSM***-G4 71

Performance level	Specificatio	'n	Pages	Universal Asphalt Green concret
BASIC*	DCU*		68	•
	DCA*		70	•
	DCA+C*	2in1	70	• •

Information / Recommendations

- +
 Optimum application conditions / peripheral speed

 Asphalt
 55-60 m/s

 Old concrete
 Soft aggregates with little reinforcement
 40-50 m/s

 Old 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.

Service

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

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PREMIUM *** FLOOR SAW BLADE | CURED CONCRETE FSL***-C | 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 1200 mm. Special segment shape with a protective function to guard against premature steel blade wear in the contact zone – (undercutting-effect).

PREMIUM★★★ FLOOR SAW BLADE | CURED CONCRETE FSL***-C | in TGD[®]-Technology



	Shape		Type No.	Dimension	Segment height
STATES OF STATES	11 Martin	C77W	620570	350x3.2x25.4	13
			612893	450x3.9x25.4	13
the second se			613264	450x4.4x25.4	13
A MARINE MARINE			613271	500x3.9x25.4	13
			613272	600x3.9x25.4	13
			613273	600x4.4x25.4	13
			615335	600x5x25.4	13
			613274	700x3.9x25.4	13
			615338	700x4.4x25.4	13
			613276	800x3.9x25.4	13
			615339	800x4.4x25.4	13
			615340	900x4.4x25.4	13
			615341	1000x4.4x25.4	13

PREMIUM★★★ FLOOR SAW BLADE | CURED CONCRET FSM***-C | in TGD®-Technology

Machines up to 25 kW | hydraulic drives up to 50 kW | soft to very hard aggregates.

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

Details: Laser welded up to a diameter of 1200 mm. Special segment

	Shape	Type No.	Dimension	Segment height
STUTIT	C77W	620572	350x3.2x25.4	13
		620573	350x3.9x25.4	13
The second second		615342	450x3.9x25.4	13
A STATE AND A STAT		613277	450x5x25.4	13
		613280	500x3.9x25.4	13
		613284	600x3.9x25.4	13
		613285	600x4.4x25.4	13
		613286	600x5x25.4	13
		613287	700x3.9x25.4	13
		615343	700x4.4x25.4	13
		613288	800x4.4x25.4	13
		613289	900x4.4x25.4	13
		613291	1000x4.4x25.4	13
		620575	1200x4.4x25.4	13

PREMIUM * * * FLOOR SAW BLADE | CURED CONCRET FSC***



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
С7W	C7W	574853	300x3.2x25.4	12
		574854	350x3.2x25.4	12
		574855	400x3.2x25.4	12
		574856	450x3.6x25.4	12
	574857	500x3.6x25.4	12	
		574858	600x3.6x25.4	12
	C5	574859	700x3.6x35	12
		574860	800x3.9x35	12

BASIC * FLOOR SAW BLADE | CURED CONCRET DCU*



Machines up to 15 kW | soft to medium-hard aggregates. Details: All tools are laser welded. Also suitable for petrol cutting saws

	Shape	Type No.	Dimension	Segment height
	C3W	466095	300x2.6x25.4	10
		466099	350x3.0x25.4	10
		529399	400x3.2x25.4	10
		529401	450x3.6x25.4	10

PREMIUM *** Floor Saw Blade | Asphalt FSL***-A

+ 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 di-

ameter 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.

PREMIUM * * * FLOOR SAW BLADE | ASPHALT FSL***-A

	Shape		Type No.	Dimension	Segment height
	C7SW	C7SW	620541	350x3.2x25.4	11
			620542	400x3.2x25.4	11
			620544	450x3.6x25.4	11
			621163	450x5x25.4	11
			599004	500x3.6x25.4	11
			620558	600x3.6x25.4	11
			621164	600x5x35/25.4	11
	C1S	C1S	620548	700x4.7x25.4	11
			620552	800x4.7x35/25.4	11
			620553	900x4.7x35/25.4	11
			620555	1000x4.7x35/25.4	11
			620556	1200x4.7x35/25.4	11

PREMIUM * * * FLOOR SAW BLADE | ASPHALT FSA***



Machines up to 15 kW | soft to very hard aggregates. Details: laser welded reduction bush is supplied for saw blades with a 35 mm bore. 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

	Shape	Type No.	Dimension	Segment height
	C7SW	574838	300x3.2x25.4	9
		574844	350x3.2x25.4	9
		574845	400x3.2x25.4	9
		574846	450x3.6x25.4	9
		574848	500x3.6x25.4	9
		574850	600x3.6x25.4	9
	C1S	574851	700x4.2x35	9
		574852	800x4.2x35	9

V ()

BASIC * FLOOR SAW BLADE | ASPHALT DCA*

Machines up to 15 kW | soft to medium-hard aggregates. Details: All tools are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws

	Shape	Type No.	Dimension	Segment height
	C1SW	465650	300x2.8x25.4	10
	2	465652	350x3.0x25.4	10
		529402	400x3.2x25.4	10
		529403	450x3.6x25.4	10

PREMIUM*** FLOOR SAW BLADE

DCA+C***-2in1

Machines up to 15 kW | soft to medium-hard aggregates. Materials able to be machined: Green concrete, asphalt and a small amount of cured concrete. Details: all diameters are laser welded. With protective segments to

guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws.

	Shape	Туре No.	Dimension	Segment height
	C73SW	465640	300x2.6x20	10
		465642	350x3.0x25.4	10

BASIC★ FLOOR SAW BLADE DCA+C*-2in1



X (i) (ii)

Materials able to be machined: asphalt, green concrete with soft to hard material surcharges and a small amount of cured concrete. Details: protective segments against the undercutting-effect.

	Shape	Type No.	Dimension	Segment height
	C1SW	736309	300x2.8x20	10
	2	736311	300x2.8x25.4	10
		736313	350x3x20	10
The state		80653	350x3x25.4	10

PREMIUM *** FLOOR SAW BLADE | GREEN CONCRETE FSL***-G4

Expansion joints, factory floors. Machines up to 15 kW \mid very hard concrete aggregates.

Details: All diameters are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone - (undercutting effect). Very clean groove edges, cuts extremely quickly.

Universal | soft to very hard concrete aggregates.

Details: All diameters are laser-welded. Equipped with a protective

Shape Type No. Dimension Segment height C73SW 151571 300x2.4x25.4 13 34015787 350x2.8x25.4 13

PREMIUM *** FLOOR SAW BLADE | GREEN CONCRETE FSM***-G4

Expansion joints, factory floors. Machines up to 25 kW / hydr. up to 50 kW segment to guard against steel core wear in the contact zone -(underctting effect). Very clean groove edges, cuts extremely quickly.

Segment height Shape Type No. Dimension C73SW 34015812 300x2.4x25.4 13 151540 350x2.8x25.4 13

```
= low
                 🔵 = medium
```





Cutting depth up to 170 mm



Universal field of application with left and right cutting

Thanks to its extremely robust, high-quality chassis, the SG513*** 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.

Saw blade

Saw blade		
Max. cutting depth	170 mm	
Max. saw blade Ø	450 mm	
Saw blade speed	2600 rpm	
Saw blade uptake Ø	25.4 mm	
Carrier Ø	11.5 mm	
Reference circle Ø	57.4 mm	

Drive

Drive/motor	Petrol
Туре	Honda
Power	8.2 kW / 11 HP
Fuel	Lead free
Fuel tank	6.1
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 I water tank

Dimensions & Weight

Length	1136 mm
Width	578 mm
Height	1016 mm
Weight	113 kg

System & Accessories

10988800	Floor saw FSG513*** incl. water tank kit
Accessories	
10988783	Water tank kit (water tank holder, water tank, hook for transport)

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.

Technical data

Saw blade	
Max. cutting depth	230 mm
Max. saw blade Ø	600 mm
Saw blade speed	2120 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

System & Accessories

10984041	Floor saw FSG620***
Accessories	
10984389	Green concrete kit with 350 mm blade guard and transformation set (3000 rpm)

Drive

Drive/motor	Petrol
Туре	Honda
Output	13 kW / 18 PS
Fuel	Lead free
Fuel tank	7.6
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 I water tank		

Dimensions & Weight

Length	840 mm
Width	580 mm
Height	1030 mm
Weight	184 kg

Cutting depth up to 320 mm



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.

Technical data

Saw blade	
Max. cutting depth	320 mm
Max. saw blade Ø	800 mm
Saw blade speed	1250 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

System & Accessories

Floor saw FSE811**	*	
10981255	Floor saw FSE811***	

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	1100 mm
Width	600 mm
Height	980 mm
Weight	158 kg



Cutting depth up to 350 mm



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.

Technical data

Saw blade	
Max. cutting depth	350 mm
Max. saw blade Ø	900 mm
Saw blade speed	1400 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

System & Accessories

Floor saw FSD	930***
10984042	Floor saw FSD930***
Accessories	
Accessones	

Diesel particle filter and transformation set on request.

Dilve	
Drive/motor	Diesel
Туре	Deutz
Output	22 kW / 30 PS
Fuel	Diesel
Fuel tank	22.8
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	1170 mm
Width	820 mm
Height	1250 mm
Weight	655 kg



FLOOR GRINDING

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CABOLT

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TROLD

FLOOR GRINDING



FLOOR GRINDER AND DUST COLLECTION SYSTEMS

The new TYROLIT Hydrostress PREMIUM*** floor grinders and dust collection systems do not only produce impressive grinding performance and perfect results, they were designed around the user.

System benefits floor grinder

- + Easy handling thanks to ergonomic control elements, fixed speed as well as low noise and vibration levels
- + Fatigue-proof working and reduction of side forces because of outstanding machine balance
- + Maximum durability and load capacity due to very robust construction
- + Impressive mobility as well as trouble-free transportation thanks to detachable machine parts
- + Timesaving patented quick tool fixing system
- + Dust-free operation because of floating cover in combination with reliable dust collection system

System benefits dust collection

- + Convincing performance thanks to efficient power transfer and reliable filter system
- + Simple, user-friendly handling due to easy accessible control elements, low noiselevel and antistatic hose
- + Intelligent change of dust bags via proven longopack system



Easy

- Ergonomic control elements
- 1 fixed speed
- Patented quick tool fixing system
- Construction easy to maintain



Effort-saving

- Low noise and vibration level
- Reduced side forces



Dust free

- Floating cover
- Powerful and reliable dust collection system



Flexible

- Detachable machine parts
- 1- and 3-phase models

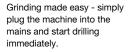
Floor grinding

FLOOR GRINDER FGE270***

Single-phase, max. grinding width 270 mm









Easy to transport thanks to machine parts that can be dismantled without needing any tools.

The FGE270*** impresses with simple operation thanks to an ergonomic control panel, a fixed speed and low noise/ vibration values. The single grinding head principle increases productivity and grinding power. A quick tool fixing system and dismantable machine parts enable fast system setup and easy transport. Thanks to the floating cover in conjunction with the reliable extraction system, dust free working is ensured.

Technical data

Max. grinding width	270 mm
Grinding disc width	1 x 270 mm
Grinding disc speed	960 rpm
Grinding pressure	34 kg

Design

200.9.1	
1 Grinding head	
Direct drive	
Detachable machine parts	

Drive

Drive/motor	Electric
Туре	Busck
Power	1.5 kW
Voltage/Frequency	230 V / 50 Hz
Voltage/Frequency optional	110 V / 50 Hz 230 V / 60 Hz
Current	8.3 A
Current optional	17.5 A 8.3 A

System & Accessories

Floor Grinder FGE270***		
10990281	Floor Grinder FGE270*** 230 V (50 Hz)	
10990282	Floor Grinder FGE270*** 110 V (50 Hz)	
10991272	Floor Grinder FGE270*** 230 V (60 Hz)	
10990811	Floor Grinder FGE270*** Edge-Kit attached 230 V (50Hz)	

Accessories

10992803	Dust collection system VCE2500D*** 230 V (50–60 Hz)
10992804	Dust collection system VCE2500D*** 110 V (60 Hz)
10990296	Edge Kit

Tools

10991635	Set-heavy removal GT0*** (9 x single segment)
10991312	Set-removal GT1*** (9 x single segment)
10991313	Set-removal GT1*** (9 x double segment)
10991314	Set-rough-grinding GT2*** (9 x single segment)
10991315	Set-rough-grinding GT2*** (9 x double segment)
10991316	Set-smooth-grinding GT3*** (9 x single segment)
10991317	Set-smooth-grinding GT3*** (9 x double segment)

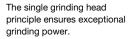
Dimensions & Weight

Length	517 mm
Width	370 mm
Height	1245 mm
Weight	53 kg
Weight grinding head	37 kg

Three-phase, max. grinding width 400 mm









Dust-free working thanks to intelligent collection system.



Less maintenance needed owing to the use of robust components and protected belts.

The FGE400*** impresses with simple operation thanks to an ergonomic control panel, a fixed speed and low noise/ vibration values. The single grinding head principle increases productivity and grinding power. A quick tool fixing system and dismantable machine parts enable fast system setup and easy transport. Thanks to the floating cover in conjunction with the reliable extraction system, dust free working is ensured.

Technical data

Max. grinding width	400 mm	
Grinding disc width	1 x 400 mm	
Grinding disc speed	1430 rpm	
Grinding pressure	47 kg	

Design

Drive

1 Grinding head	
Direct drive	
Detachable machine parts	

System & Accessories

Floor Grinder FGE400***	
10990283	Floor Grinder FGE400*** 400V (50 Hz)
Accessorie	s
10990289	Dust collection system VCE4000D*** 400V (50 Hz)
Tools	
10991635	Set-heavy removal GT0*** (9 x single segment)
10991312	Set-removal GT1*** (9 x single segment)
10991313	Set-removal GT1*** (9 x double segment)
10991314	Set-rough-grinding GT2*** (9 x single segment)
10991315	Set-rough-grinding GT2*** (9 x double segment)
10991316	Set-smooth-grinding GT3*** (9 x single segment)
10991317	Set-smooth-grinding GT3*** (9 x double segment)

Drive/motor	Electric
Туре	Busck
Power	4 kW
Voltage/Frequency	400 V / 50 Hz
Current	8.2 A

Dimensions & Weight

Length	685 mm
Width	480 mm
Height	1300 mm
Weight	78 kg
Weight grinding head	50 kg

FLOOR GRINDER FGE450***

Single-phase, max. grinding width 450 mm





Three grinding discs and one counter-rotating grinding head ensure a consistent grinding result.



Floating cover simplifies handling.



Ergonomically styled and adjustable control panel.

The FGE450*** impresses with simple operation thanks to an ergonomic control panel, a fixed speed and low noise/vibration values. The planetary drive guarantees perfectly consistent and cost-effective grinding results. A

quick tool fixing system and dismantable machine parts enable fast system setup and easy transport. Thanks to the floating cover in conjunction with the reliable extraction system, dust free working is ensured.

Technical data

Design

3 Grinding discs

Planetery drive system (belt)
Detachable machine parts

Max. grinding width	450 mm
Grinding disc width	1 x 180 mm
Grinding disc speed	480 rpm
Grinding pressure	63 kg

System & Accessories

Floor Grinder FGE450***	
10990284	Floor Grinder FGE450*** 230V (50 Hz)
10990285	Floor Grinder FGE450*** 110V (50 Hz)
10991273	Floor Grinder FGE450*** 230V (60 Hz)

Accessories

10992803	Dust collection system VCE2500D*** 230V (50-60 Hz)
10992804	Dust collection system VCE2500D*** 110V (60 Hz)

Tools

Drive	
Drive/motor	Electric
Туре	Busck
Power	1.5 kW
Voltage/Frequency	230 V / 50 Hz
Voltage/Frequency optional	110 V / 50 Hz 230 V / 60 Hz
Current	8.3 A
Current optional	17.5 A 8.3 A

10991635	Set-heavy removal GT0*** (9 x single segment)
10991312	Set-removal GT1*** (9 x single segment)
10991313	Set-removal GT1*** (9 x double segment)
10991314	Set-rough-grinding GT2*** (9 x single segment)
10991315	Set-rough-grinding GT2*** (9 x double segment)
10991316	Set-smooth-grinding GT3*** (9 x single segment)
10991317	Set-smooth-grinding GT3*** (9 x double segment)

Dimensions & Weight

Length	705 mm
Width	490 mm
Height	1305 mm
Weight	95 kg
Weight grinding head	68 kg

FLOOR GRINDER FGE530***

Three-phase, max. grinding width 530 mm





Maximum durability thanks to robust design.



The powerful motor enables the efficient machining of larger areas.



Time-saving, simple and safe tool change using patented quick fixing system.

The FGE530*** impresses with simple operation thanks to an ergonomic control panel, a fixed speed and low noise/vibration values. The planetary drive guarantees perfectly consistent and cost-effective grinding results. A quick tool fixing system and dismantable machine parts enable fast system setup and easy transport. Thanks to the floating cover in conjunction with the reliable extraction system, dust free working is ensured.

Technical data

Max. grinding width	530 mm
Grinding disc width	3 x 230 mm
Grinding disc speed	715 rpm
Grinding pressure	94.7 kg

Design

Drive

3 Grinding discs	
Planetery drive system (belt)	
Detachable machine parts	

System & Accessories

Floor Grind	er FGE530***	
10990286	Floor Grinder FGE530*** 400V (50 Hz)	
Accessorie	S	
10990289	Dust collection system VCE4000D*** 400V (50 Hz)	
Werkzeug		
10991635	Set-heavy removal GT0*** (9 x single segment)	
10991312	Set-removal GT1*** (9 x single segment)	
10991313	Set-removal GT1*** (9 x double segment)	
10991314	4 Set-rough-grinding GT2*** (9 x single segment)	
10991315	Set-rough-grinding GT2*** (9 x double segment)	
10991316	Set-smooth-grinding GT3*** (9 x single segment)	
10991317	Set-smooth-grinding GT3*** (9 x double segment)	

Drive/motor	Electric
Туре	Busck
Power	4 kW
Voltage/Frequency	400 V / 50 Hz
Current	8.2 A

Dimensions & Weight

Length	790 mm
Width	570 mm
Height	1310 mm
Weight	131 kg
Weight grinding head	102 kg

DUST EXTRACTION SYSTEM
VCE2500D***|VCE4000D***





Technical data

Power	2.2 kW
Voltage/Frequency	230 V / 50 Hz (110 V / 50 Hz)
Current	9.2 A (18.4 A)
Max. theoretical air flow	375 m³/h (345 m³/h)
Application	Dry

Dimensions & Weight

Length	840 mm	
Width	585 mm	
Height	1180 –1575 mm	
Weight	56 kg	

Dust collection system VCE2500D***

10992803	Dust collection system VCE2500D*** 230 V
10992804	Dust collection system VCE2500D*** 110 V

Power	4 kW	
Voltage/Frequency	370–415 V / 50 Hz	
Current	9 A	
Max. theoretical air flow	420 m³/h	
Application	Dry	

Dimensions & Weight

Length	1065 mm	
Width	720 mm	
Height	1540 mm	
Weight	169 kg	

Dust collection system VCE4000D***

10990289	Dust collection system VCE4000D*** 400 V (50 Hz)
	400 V (30 112)

Tools

Complete system solutions for perfect grinding of concrete floors and for removing coatings. System components in graded grain variations can be mixed easily and flexibly depending on the surface: for rough as well as for fine grinding applications.

Tools can be used universally on all of our floor grinders. The patented quick tool fixing system allows fast mounting or changing.

Heavy removal GT0***

For removing of extremely tough coatings (epoxy, thick glue, paint, etc.)



Revomal GT1***

For removing coatings (epoxy, adhesives, lacquers, paintings)



Rough grinding GT2***

For fine grinding applications (leveling or preparations to apply new floor coverings)





Fine grinding GT3***

For fine grinding applications



10991635	Set-heavy removal GT0*** (9 x single segment)
10991312	Set-removal GT1*** (9 x single segment)
10991313	Set-removal GT1*** (9 x double segment)
10991314	Set-rough grinding GT2*** (9 x single segment)

10991315	Set-rough grinding GT2*** (9 x double segment)
10991316	Set-smooth grinding GT3*** (9 x single segment)
10991317	Set-smooth grinding GT3*** (9 x double segment)



CORE DRILLING

2

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DIAMOND WET DRILL BITS

Core drilling



DRILL BITS FOR WET DRILLING

Decades of experience in the production and application of core drill bits and drilling machines 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.

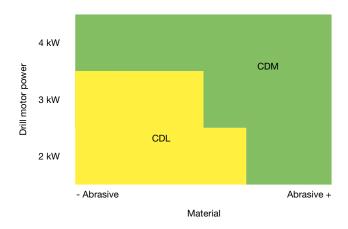
TGD®-Technology

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



Speeds

DIAMETER	SPEED	Drive p	ower		
	Concrete (2–3 m/	/s)			
mm	rpm	kW			
18	2100-3200				
32	1200–1800	1			
42	900–1400				
52	750–1100				
62	620–950		2		
72	550-800		2		
82	470–700				
102	370–550				
122	310–470			3	
152	250-380				
162	240-350				
182	210-320				4
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)
- Hountings 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

PREMIUM ★★★ WET DRILLING BITS CDL★★★ | 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. Segmented drill from Ø 47 mm with TGD® technology and new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.

Core drilling

PREMIUM★★★ WET DRILLING BITS CDL*** | in TGD®-Technology (from Ø 47 mm)



		Type no.	Dimension	Segment height
1	HOHL3	854317	14x400xR1/2"	7
0		474990	15x400xR1/2"	7
		474991	16x400xR1/2"	7
		474993	18x400xR1/2"	7
		474995	20x400xR1/2"	7
		474997	22x400xR1/2"	7
		475000	24x400xR1/2"	7
		475009	25x400xR1/2"	7
		475010	28x400xR1/2"	7
		475011	30x400xR1/2"	7
		475012	32x400xR1/2"	7
		475014	37x450xR1/2"	7
		475015	40x450xR1/2"	7
		475016	42x450xR1/2"	7

HOHL1

Type no.	Dimension	Segment height
34178733	47x450x11/4"	11.3
34067834	52x450x11/4"	11.3
34072174	52x500xPIXIE	11.3
34170724	57x450x11/4"	11.3
34159556	62x450x11/4"	11.3
34072175	62x500xPIXIE	11.3
34067836	67x450x11/4"	11.3
34178734	72x450x11/4"	11.3
34072176	72x500xPIXIE	11.3
34017777	82x450x11/4"	11.3
34018370	82x500xPIXIE	11.3
34018473	92x450x11/4"	11.3
34018474	92x500xPIXIE	11.3
34018475	102x450x11/4"	11.3
34018476	102x500xPIXIE	11.3
34018477	107x450x11/4"	11.3
34018478	112x450x11/4"	11.3
34018479	112x500xPIXIE	11.3
34018480	115x450x11/4"	11.3
34018511	122x450x11/4"	11.3
34018512	122x500xPIXIE	11.3
34018513	127x450x11/4"	11.3
34018514	132x450x11/4"	11.3
34018515	132x500xPIXIE	11.3
34018516	138x500xPIXIE	11.3
34018517	142x450x11/4"	11.3
34018518	142x500xPIXIE	11.3
34017778	152x450x11/4"	11.3
34018519	152x500xPIXIE	11.3
34018520	162x450x11/4"	11.3
34018521	162x500xPIXIE	11.3
34018523	172x450x11/4"	11.3
34018524	172x500xPIXIE	11.3
34018525	182x450x11/4"	11.3
34018526	182x500xPIXIE	11.3
34018527	186x500xPIXIE	11.3
34018528	192x450x11/4"	11.3
34017779	202x450x11/4"	11.3
34018529	202x500xPIXIE	11.3
34018530	212x450x11/4"	11.3
34018531	226x500xPIXIE	11.3
34018533	250x450x11/4"	11.3



PREMIUM *** WET DRILLING BITS CDM*** | in TGD®-Technology (from Ø 82 mm)



Drill motors over 3 kW | medium-hard to hard concrete aggregates. Quality new segment height of 11.3 mm. Laser welded segments up to a Ø 250 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

	Type no.	Dimension	Segment height
HOHL1D	606482	47x450x11/4"	8.5
	606527	52x450x11/4"	8.5
	607085	52x450xPIXIE	8.5
	606530	57x450x11/4"	8.5
	606485	62x450x11/4"	8.5
	607086	62x450xPIXIE	8.5
	606536	67x450x11/4"	8.5
	606541	72x450x11/4"	8.5
	607087	72x450xPIXIE	8.5
HOHL1	34018562	82x450x11/4"	11.3
	34018563	82x500xPIXIE	11.3
	34018564	92x450x11/4"	11.3
	34018565	92x500xPIXIE	11.3
	34018566	102x450x11/4"	11.3
	34018567	102x500xPIXIE	11.3
	34018568	107x450x11/4"	11.3
	34018569	112x450x11/4"	11.3
	34018570	112x500xPIXIE	11.3
	34018571	115x450x11/4"	11.3
	34018572	122x450x11/4"	11.3
	34018573	122x500xPIXIE	11.3
	34018574	125x450x11/4"	11.3
	34018575	127x450x11/4"	11.3
	34018576	132x450x11/4"	11.3
	34018577	132x500xPIXIE	11.3
	34018578	138x500xPIXIE	11.3
	34018579	142x450x11/4"	11.3
	34018581	142x500xPIXIE	11.3
	34018584	152x450x11/4"	11.3
	34018585	152x500xPIXIE	11.3
	34018587	162x450x11/4"	11.3
	34018588	162x500xPIXIE	11.3
	34018589	172x450x11/4"	11.3
	34018590	172x500xPIXIE	11.3
	34018601	182x450x11/4"	11.3
	34018602	182x500xPIXIE	11.3

mm for maximum safety.

		Type no.	Dimension	Segment height
1	HOHL1	34018603	186x500xPIXIE	11.3
*		34018604	193x450x11/4"	11.3
		34018605	202x450x11/4"	11.3
		34018606	202x500xPIXIE	11.3
		34018607	212x450x11/4"	11.3
		34018608	225x450x11/4"	11.3
		34018609	226x500xPIXIE	11.3
		34018610	250x450x11/4"	11.3
		34018611	250x500xPIXIE	11.3
		711343	300x450x11/4"	11.3
		711344	350x450x11/4"	11.3
		711347	400x450x11/4"	11.3
		711348	450x450x11/4"	11.3
		711349	500x450x11/4"	11.3



STANDARD ** WET DRILLING BITS CDL**

Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Details: 250 mm for maximum safety. quality tools for everyday use. An impressive drilling speed-lifetime ratio.



Core drilling

		Type no.	Dimension	Segment height
	HOHL3	475019	32x400xR1/2"	7
		475024	42x450xR1/2"	7
		466842	52x450x11/4"	8.5
	HOHL1D	466843	62x450x11/4"	8.5
		466844	72x450x11/4"	8.5
		466845	82x450x11/4"	8.5
		466846	92x450x11/4"	8.5
		466847	102x450x11/4"	8.5
		466848	107x450x11/4"	8.5
		466849	112x450x11/4"	8.5
		466850	122x450x11/4"	8.5
		466852	127x450x11/4"	8.5
		466853	132x450x11/4"	8.5
		500056	142x450x11/4"	8.5
		466854	152x450x11/4"	8.5
		466855	162x450x11/4"	8.5
		466856	182x450x11/4"	8.5
		466857	202x450x11/4"	8.5
		466858	250x450x11/4"	8.5





Drill motors over 3 kW | medium-hard to hard concrete aggregates. Details: 250 mm for maximum safety. quality tools for everyday use. an impressive drilling speed-lifetime ratio. Universal use, lasting quality. Laser welded segments up to a diameter of

	Type no.	Dimension	Segment height
HOHL1D	466887	52x450x11/4"	8.5
	476408	52x450xPIXIE	8.5
	466888	62x450x11/4"	8.5
	466889	72x450x11/4"	8.5
	500259	77x450x11/4"	8.5
	466890	82x450x11/4"	8.5
	476438	82x450xPIXIE	8.5
	466891	92x450x11/4"	8.5
	466892	102x450x11/4"	8.5
	476440	102x450xPIXIE	8.5
	466893	107x450x11/4"	8.5
	466894	112x450x11/4"	8.5
	476442	112x450xPIXIE	8.5
	466895	122x450x11/4"	8.5
	466896	127x450x11/4"	8.5
	466898	132x450x11/4"	8.5
	500268	142x450x11/4"	8.5
	546639	142x450xPIXIE	8.5
	466899	152x450x11/4"	8.5
	476449	152x450xPIXIE	8.5
	466900	162x450x11/4"	8.5
	476450	162x450xPIXIE	8.5
	466902	182x450x11/4"	8.5
	466903	202x450x11/4"	8.5
	476452	202x450xPIXIE	8.5
	500289	225x450x11/4"	8.5
	544172	225x450xPIXIE	8.5
	466904	250x450x11/4"	8.5
	476453	250x450xPIXIE	8.5

Core drilling

STANDARD ** WET DRILLING BITS

CDM** thin-walled

medium-hard to hard concrete aggregates. Details: quality tools for everyday use. 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

		Type no.	Dimension	Segment height
	HOHL2	495674	36x350xR1/2"	7
		495817	41x350xR1/2"	7
		495818	51x350xR1/2"	7
-		495820	61x350xR1/2"	7
		495824	71x350xR1/2"	7
		495826	81x350xR1/2"	7
		495830	91x350xR1/2"	7
		495832	101x400xR1/2"	7
		495833	111x400xR1/2"	7
		495834	121x400xR1/2"	7
		495836	131x400xR1/2"	7
		495837	141x400xR1/2"	7
		495838	151x400xR1/2"	7
		495841	161x400xR1/2"	7
		495842	171x400xR1/2"	7
		495843	181x400xR1/2"	7
		495844	191x400xR1/2"	7
		495845	201x400xR1/2"	7

ACCESSORIES WET DRILLING BITS

Adapter

		Type no.	Connection 1	Connection 2
	ADAPT	374035	11/4" F	R1/2" F
		381983	R1/2" M	11/4" M
		462700	HT 1,5 F	11/4" M
		681095	HT 2 F	11/4" M
		759007	R1/2" M	10
		909220	11/4" F	3-LOCH



ACCESSORIES WET DRILLING BITS

Sharpening plates

		Type no.	Dimension
	SP1	497322	55x25x320
		484627	160x30x320
-66-		484672	320x55x320

ACCESSORIES WET DRILLING BITS

Brazing magnets

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

ACCESSORIES WET DRILLING BITS

Extensions

	Type no.	Länge	Connection
HVERL	400439	100	R1/2"
	378198	100	11/4"
	359475	200	R1/2"
	359471	200	11/4"
	359476	300	R1/2"
	359472	300	11/4"
	889232	400	R1/2"
	359473	400	11/4"
	707230	500	R1/2"
	359474	500	11/4"

ACCESSORIES WET DRILLING BITS

Water liners

		Type no.	Connection	
	WSPB	478074	SW12	
Co		122567	11/4"	
		122569	R1/2"	







DIAMOND DRY DRILL BITS



DRILL BITS FOR DRY DRILLING

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

As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use. Especially suitable for drilling reinforced or normal concrete. Can be operated on a drill rig or hand-held. TYROLIT core drill bits are designed to work perfectly with TYROLIT Hydrostress machines.

Selecting the right dry drill bit

DIAMETER	≤ 82 mm	≥ 91 mm
SPEED	2000-3000 rpm	1000-1500 rpm
Plasterboard Cellular concrete Plastic tubes (PVC, PP, PE) Soft fire-resistant bricks Sandstone, porous natural stone Tiles Roof tiles Clinker Fine stoneware		Without hammer operation
Soft sand-lime brick Clay brick Lightweight concrete slabs Woodchip-concrete blocks and slabs Fireclay bricks		Hammer operation recommended (no percussion drills)
Concrete block Hard sand-lime brick Terrazzo Concrete Lightly reinforced concrete		Hammer operation required (no percussion drills)

Service

- + Whole product range ex stock
- + From a diameter of 91 mm onwards an additional distance washer is included for optional use of a vacuum-suction hood

Information / recommendations

- + For use with drilling motors within the range of 1000-2000 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

PREMIUM *** DRY DRILL BITS DDE *** | 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.

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

PREMIUM *** DRY DRILL BITS

DDE*** | in TGD®-Technology



		Type no.	Dimension	Segment height
100	HOHLT	34201286	68x70xM16	11.3
UROW		34201288	82x70xM16	11.3

PREMIUM*** DRY DRILL BITS

DDL*** | in TGD®-Technology

The newly developed premium dry drill bit impresses in all manner of ways. With TGD[®] technology (Tyrolit Grain Distribution), a unique technology developed by Tyrolit for the optimised distribution of grain.

		Type no.	Dimension	Segment height
3	HOHLT	34074200	52x250x11/4"	8
TRADIT		34074212	62x250x11/4"	8
		34074213	68x250x11/4"	8
1 and a start		34074214	82x250x11/4"	8
		34074215	92x250x11/4"	8
		34074216	102x250x11/4"	8
		34074217	107x250x11/4"	8
		34074218	112x250x11/4"	8
		34074219	122x250x11/4"	8
		34074220	127x250x11/4"	8
		34074221	132x250x11/4"	8
		34074223	142x250x11/4"	8
		34074224	152x250x11/4"	8
		34074225	161x250x11/4"	8

STANDARD ** DRY DRILL BITS

DDL**

Quality tool for daily use, impressive performance and lifetime.

		Type no.	Dimension	Segment height
	HOHLT	899272	32x150xM16	6.5
TROM a fill		899271	42x150xM16	6.5
		252911	52x150xM16	6.5
		252912	56x150xM16	6.5
		252913	62x150xM16	6.5
		252914	68x150xM16	6.5
		252915	72x150xM16	6.5
		252916	82x150xM16	6.5
		252917	92x150xM16	6.5
		252918	102x150xM16	6.5
		252919	107x150xM16	6.5
		252920	117x150xM16	6.5
		252921	127x150xM16	6.5
		252923	162x150xM16	6.5
		252924	200x150xM16	6.5





BASIC * DRY DRILL BITS

DDL*

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

		Type no.	Dimension	Segment height
	HOHLT	650292	68x70xM16	6.5
U AGLE		650293	82x70xM16	6.5

ACCESSORIES DRY DRILL BITS

Connections for all common machines

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

Type no.	Connection to machine	Pilot drills / centering spikes
850026	5/8"	Pilot drill SDS
850011	HEX SW12	Pilot drill SDS
116264	HEX SW12	Pilot drill Konus
707827	HEX SW12	Centering spike 120/233 mm
707831	SDS	Centering spike 120/233 mm
707834	M18 x 2.5	Centering spike 120/233 mm
707824	5/8"	Centering spike 120/233 mm



ACCESSORIES DRY DRILL BITS

Compact universal dust extraction system

Dust extraction adapter compatible with all drilling diameters.

	Type no.	Designation	Product info
	10983845	Centering spike 120 mm	Basic* core drill Premium*** core drill NL 70 mm
	10986189	Centering spike 233 mm	Core drill NL 150 mm
\sim	10986190	Strap wrench	To remove the drill bit from the adaptor
	10983964	Dust extraction adaptor with M16 connection	For attaching an industrial vacuum leaner

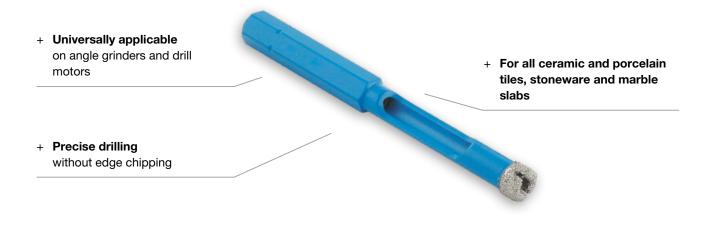
ACCESSORIES DRY DRILL BITS

Centring aids

Pilot drill with SDS connection or cone facilitates the precise positioning of the drill bits and enables exact results. When using a centring shaft, openings can also be made in 30 cm thick walls using 150 mm drill bits.

Type no.	Designation	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

PREMIUM *** TILE DRILLS $DDT \star \star \star$



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.

PREMIUM *** TILE DRILLS DDT***





		Type no.	Diameter	Segment height
	HOHLT	34180136	5x35xHEX	4
1 B		69833	6x35xHEX	4
		69848	8x35xHEX	4
		69855	10x35xHEX	4
		69856	12x35xHEX	4
		69860	14x35xHEX	4
		69769	20x45xM14	4
		69768	38x45xM14	4
		69767	52x45xM14	4
		69766	65x45xM14	4
		51392	75x45xM14	4

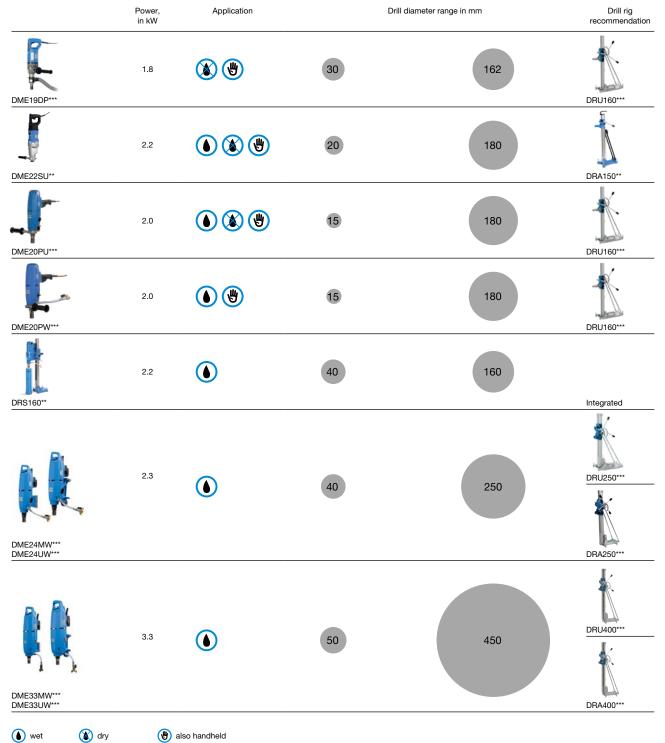
PREMIUM *** TILE DRILLS DDT***

The TYROLIT tile drill-set consists of universally applicable, vacuumbrazed diamond core bites for vacuum-brazed tile drill-set for universal use and maximum drilling comfort. The drills are equipped with with

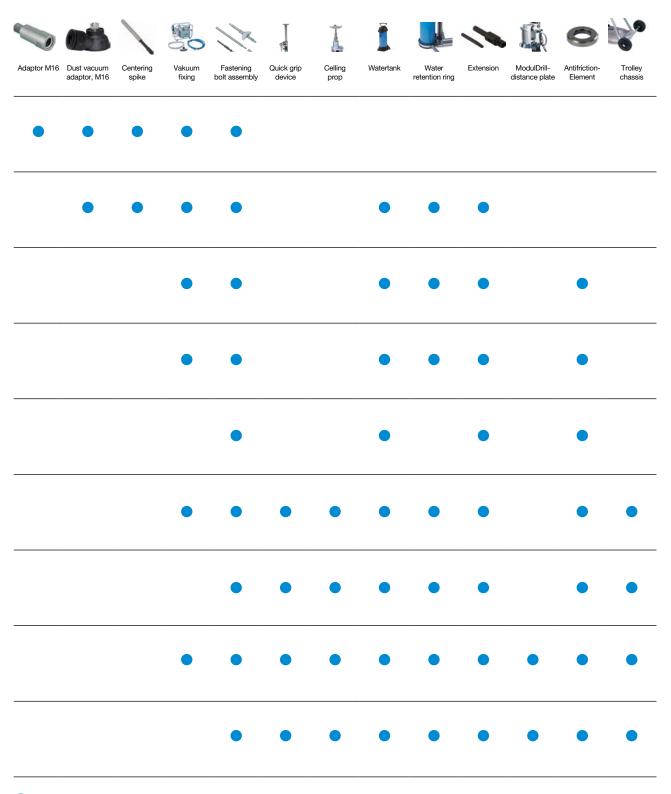
M14connector for angle grinders as well as adaptors for drill motors. Our products are suitable for dry and wet drilling and always deliver perfect, chip-free drilling holes in tiles and sanitary ware.

		Type no.	Contents
	HOHLT	51470	Ø 20, 38, 52, 65, 75 mm
000			Adapter M14/HEX
			Adapter M14/SDS
			Allen key
			Pilot drill 7x110
			Open ended spanner SW19
			20x45xM14
			38x45xM14
			52x45xM14
			65x45xM14
			75x45xM14

SELECTING GUIDE FOR CORE DRILL SYSTEMS



Accessories



Core drilling

available/suitable

DRY DRILLING MOTOR DME19DP***

Dry core drilling up to Ø 162 mm



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 accelarates work progress, particularly in hard materials. The soft start and the LED indicator aid the user in selecting the optimal drilling speed.

Technical data

Drill Motor DME 19DP***		
Voltage/Frequency	230 V / 50 Hz	110 V / 60 Hz
Type no.	10988200	10988700
Drill diameter range	52–1	62 mm
Max. drill diameter in reinforced concrete	122	2 mm
Nominal power	1.8 kW	
Speed	1150 rpm	
Impact frequency	28000/min	
Motor cooling	Luft	
Tool attachment	1¼" und R½"	
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	

System & Accessories

Drill Motor DME19DP***		
10987400	Drill rig DRU160***	
10995437	Centering device for DRU160***	
10995156	Core stop 1/2"	
10995087	ModulDrill clamping collar plate	

Accessories

Accessories	
10995373	Centering spike 400 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 1/2" > M16
10994032	Adaptor 1¼" > M16
10983964	Dust vacuum adaptor M16
10983845	Centering spike 120 mm
10986189	Centering spike 233 mm
10986190	Strap wrench
10995372	O-Rings, spare part
497322	Sharpening plate
980304	Chisel

Core drilling

DRILL MOTOR DME22SU**

Core drilling up to Ø 180 mm



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.

Technical data

Drill Motor DME 22SU**			
Voltage/Frequency	230 V / 50-60 Hz 110 V /	′ 50-60 Hz	
Type no.	10993027 109	93028	
Drill diameter range	20–180 mm		
Nominal power	2.2 kW		
Nominal current	9.5 A 1	8 A	
Load speed	400/750/1550 rpm		
No load speed	850/1650/3450 rpm		
Motor cooling	Luft		
Tool attachment (external)	1 1⁄4"		
Tool attachment (internal)	1/2"		
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	El. Drill motor DME22SU**	
10987400	Drill rig DRU160***	
977619	Fastening bolt assembly	
Accessories		
400439	Extension 1/2" 100 mm	
359475	Extension 1/2" 200 mm	
359476	Extension 1/2" 300 mm	
889232	Extension 1/2" 400 mm	
707230	Extension 1/2" 500 mm	
378198	Extension 1 1/4" 100 mm	
359471	Extension 1 1/4" 200 mm	
359472	Extension 1 1/4" 300 mm	
359473	Extension 1 1/4" 400 mm	
359474	Extension 1 1/4" 500 mm	
10983964	Dust vacuum adaptor M16	
10983845	Centering spike 120 mm	
10986189	Centering spike 233 mm	
10986190	Strap wrench	

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 (DME-20PU***).

Technical data

Drill Motor	DME2	0PW***	DME2	0PU***	
Voltage/Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 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		520/1400/2900 rpm			
No load speed	830/2200/4600 rpm				
Motor cooling		Air			
Tool attachment (external)	1 1⁄4"				
Tool attachment (internal)		1/2"			
Operation		Hand-held	/ rig-based		
Application	Wet Wet / dry			/ dry	
Electric overload cut-out			•		
Mechanical overload cut-out	•				
PRCD protection switch			•		
Performance indicator	•				
Service indicator	•				
Drill rig attachment		Clamping collar 60 mm			

System & Accessories

Core drilling system with DRU160*** Drill rig			
10992077	EI. Drill motor DME20PW***		
10987400	Drill rig DRU160***		
976014	Vakuum set		
984035	Vakuum pump CV 45 I/min, 0,8 bar EU		
975381	Vakuum hose 3 m complete		
Accessories			
400439	Extension 1/2" 100 mm		
359475	Extension 1/2" 200 mm		
359476	Extension 1/2" 300 mm		
889232	Extension 1/2" 400 mm		
707230	Extension 1/2" 500 mm		
378198	Extension 1 1/4" 100 mm		
359471	Extension 1 1/4" 200 mm		
359472	Extension 1 1/4" 300 mm		
359473	Extension 1 1/4" 400 mm		
359474	Extension 1 1/4" 500 mm		
963339	Anti-friction element 1 1/4"; max. 2.4kW		
974984	Supporting ring alum. 1 1/4"		

Dimensions & Weight

Length	435 mm	450 mm
Width	115	5 mm
Height	300) mm
Weight	6.3 kg	6.5 kg

DRILL MOTORS DME24MW***|DME24UW***

Core drilling up to Ø 250 mm



The low weight and extremely compact size are the highlights of the DME24*** and ensure perfect handling. The mechanical and electronic overload cut-out and the full metal housing ensure high reliability. Built-in performance and service indicators, as well as the levelling aid, also enable easy operation. The drill motor is available with different drill rig attachments (ModulDrill™ quick clamping system or universal plate).

Technical data

Drill Motor	DME24MW***		DME24UW***		
Voltage/Frequency	230 V /	110 V /	230 V /	110 V /	
	50 Hz	60 Hz	50 Hz	60 Hz	
Type no.	10992081	10992082	10992083	10992084	
Drill diameter range		40–250 mm			
Nominal power	2,3 kW				
Nominal current	10 A	20 A	10 A	20 A	
Load speed		370/590/990 rpm			
No load speed		710/1130/1900 rpm			
Motor cooling	Air				
Tool attachment (external)		1 1⁄4"			
Tool attachment (internal)	1/2"				
Operation		Rig-based			
Application	Wet				
Electric overload cut-out	•				
Mechanical overload cut-out	•				
PRCD protection switch	•				
Performance indicator			•		
Service indicator			•		
Drill rig attachment	Modu	IDrill™	Universal plat	e	

Dimensions & Weight

Length	465	465 mm		
Width	115	115 mm		
Height	175 mm	155 mm		
Weight	7.6 kg	7.7 kg		

System & Accessories

10992081	EI. Drill motor DME24MW***
10987500	Drill rig DRA250***
977619	Fastening bolt assembly
Core drilling sy	rstem with DRU250*** (Alu. dowel-vacuum
10992081	El. Drill motor DME24MW***
10984500	Drill rig DRU250***
960795	Vacuum set
984035	Vacuum pump CV 45 I/min, 0.8 bar EU
975381	Vacuum hose 3 m complete
400439	Extension 1/2" 100 mm
Accessories	
400439	
400439 	Extension 1/2" 200 mm
359475	Extension 1/2" 200 mm
359475 359476	Extension 1/2" 200 mm Extension 1/2" 300 mm
359475 359476	Extension 1/2" 200 mm Extension 1/2" 300 mm
359475 359476 889232	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm
359475 359476 889232 378198 359471	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm Extension 1 1/4" 100 mm
359475 359476 889232 378198	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm Extension 1 1/4" 100 mm Extension 1 1/4" 200 mm
359475 359476 889232 378198 359471 359472	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm Extension 1 1/4" 100 mm Extension 1 1/4" 200 mm Extension 1 1/4" 300 mm
359475 359476 889232 378198 359471 359472 359473	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm Extension 1 1/4" 100 mm Extension 1 1/4" 200 mm Extension 1 1/4" 300 mm Extension 1 1/4" 400 mm
359475 359476 889232 378198 359471 359472 359473	Extension 1/2" 200 mm Extension 1/2" 300 mm Extension 1/2" 400 mm Extension 1 1/4" 100 mm Extension 1 1/4" 200 mm Extension 1 1/4" 300 mm Extension 1 1/4" 400 mm

DRILL MOTORS DME33MW***|DME33UW***

Core drilling up to Ø 450 mm



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).

Technical data

Drill Motor	DME33	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		360/820/1240 1rpm			
Motor cooling		Air			
Tool attachment (external)		1 1⁄4"			
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			e	

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	El. Drill motor DME33MW***	
10987600	Drill rig DRA400***	
964906	ModulDrill-Distance plate Ø +180 mm	
977619	Spannspindel-Befestigung Beton	

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

10992085	El. Drill motor DME33MW***
10984600	Drill rig DRU400***
977368	Vacuum set
984035	Vacuum pump CV 45 I/min, 0.8 bar EU
975381	Vacuum hose 3 m complete

Accessories

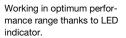
378198	Extension 1 1/4" 100 mm
359471	Extension 1 1/4" 200 mm
359472	Extension 1 1/4" 300 mm
359473	Extension 1 1/4" 400 mm
359474	Extension 1 1/4" 500 mm
969138	Adaptor 1 1/4" external - 1/2" internal
400439	Extension 1/2" 100 mm
359475	Extension 1/2" 200 mm
359476	Extension 1/2" 300 mm
889232	Extension 1/2" 400 mm
10992646	Easy release element

CORE DRILLING SYSTEM

Core drilling up to Ø 160 mm









One speed for drilling diameters up to 160 mm.



Space-saving attachment facility via dowel foot.

The DRS160** 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. LED power indicators provide assistance during controlled work and enhance user-friendliness. An integrated PRCD safety switch ensures maximum safety.

Technical data

Drill rig (integrated)		
Bore hole diameter	40–160 mm	
Max. drill bit length	590 mm	

Drill rig (integrated)

Drill diameter range in concrete ca.	40 – 160 mm
Nominal power	2.2 kW
Nominal current	16 A
Nom. voltage/frequency standard	230V / 50Hz
Nom. voltage/frequency optional	110V / 60Hz
Load speed	546 rpm
No load speed	780 rpm
Cooling	Air cooling
Tool attachment external thread	1 ¼ "
Tool attachment internal thread	1⁄2 ''
Operation	Drill rig operation
Application	Wet
Electronic overload cut-out	
Mechanical overload cut-out	
LED power indicator	
PRCD protection switch	

System & Accessories

Core drilling system DRS160**		
10983916	Core drilling system DRS160** / 230V (dowel feet)	
10983919	Core drilling system DRS160** / 110V (dowel feet)	
Accessories		
974270	Extraction device for core bits	
977353	Extraction device for cores	
10991465	Water tank 10 l	

Design

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

Dimensions & Weight

Length	220 mm	
Width	180 mm	_
Height	910 mm	_
Weight (drilling system)	18 kg	

DRILL RIG DRA150**

Core drilling up to Ø 152 mm





Compact dowel foot.

Integrated centre indicator.

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.

Technical data

System & Accessories

Prill rig DRA150**		Core drilling sv	vstem with DRA150**
Drill diameter range	20–152 mm	10993967	Drill rig DRA150**
fax. drill bit length	550 mm	10993027	El. drill motor DME22SU**
		10993966	Fastening bolt assembly
Design			
Dowel foot		Accessories	
Feed using hand crank		10993961	Vacuum plate complete
Diagonal adjustment 90°-45°		984035	Vacuum pump CV 45 I/min, 0.8 bar EU
Centre indicator		975372	Vacuum pump CV 45 l/min, 0.8 bar CH
Angle indicator		975381	Vacuum hose 3 m komplett
Spirit level			
Adjustable feet		10993964	Water retention ring complete Ø 152 m
Handle		10993965	Gasket Ø 152 mm
Clamping collar Ø 60 mm			
		974270	Extraction device for core bits
Dimensions & Weight		977353	Extraction device for cores
Length	330 mm		
Width	240 mm	10991465	Water tank 10 I
Height	950 mm		
Weight	9.5 kg		

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.

Technical data

System & Accessories

Drill rig DRU160***		Accessories	
Drill diameter range	15–160 mm	976014	Vacuum set
Max. drill diameter with water	130 mm	984035	Vacuum pump CV 45 I/min, 0.8 bar EU
collecting ring		975372	Vacuum pump CV 45 I/min, 0.8 bar CH
Max. drill bit length	560 mm	975381	Vacuum hose 3 m complete
Design		977394	Quick grip device 1.7 – 3.1 m
Aluminium dowel-vacuum foot		977448	Clamp for quick grip device; 1.7 – 3.1 m
Feed using hand crank		977593	Fastening bolt assembly for vacuum base
Diagonal adjustment 90°-45°		977614	Fastening bolt assembly (masonry); for vacuum base
Centre indicator			
Angle indicator		976136	Water retention ring complete Ø 70 mm
Spirit level		976134	Water retention ring complete Ø 130 mm
Adjustable feet (M12)		977437	Water retention ring holder; with centering device
Adjustable and interchangeable ro	ller guides	977348	Gasket Ø 70 mm
2 handles		976128	Gasket Ø 130 mm
Clamping collar Ø 60 mm			
		974270	Extraction device for core bits
Dimensions & Weight		977353	Extraction device for cores
Length	400 mm		
Width	200 mm	976616	Tool bag
Height	866 mm		
Weight	9 kg	10991465	Water tank 10 l

System recommendation

Core drilling system with DRU160***		
10987400	Drill rig DRU160***	
10992077	El. drill motor DME20PW***	
976014	Vacuum set	
984035	Vacuum pump CV 45 I/min, 0.8 bar EU	
975381	Vacuum hose 3 m complete	

DRILL RIGS DRU250***|DRA250***

Core drilling up to Ø 250 mm





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



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





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.

Technical data

Drill rig	DRA250***	DRU250***
Drill diameter range	40–250 mm	
Max. drill diameter with water colle-cting ring		200 mm
Max. drill bit length	600 mm	582 mm

Systemvorschlag

Accessories

Core drilling system with DRU250*** (Dübel-Vakuumfuss)		
10984500	Drill rig DRU250***	
10992081	El. drill. motor DME24MW***	
960795	Vacuum set	
984035	Vacuum pump CV 45 l/min, 0.8 bar EU	
975381	Vacuum hose 3 m complete	

Design

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

960795	Vacuum set
984035	Vacuum pump CV 45 I/min, 0.8 bar EU
975372	Vacuum pump CV 45 I/min, 0.8 bar CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1.7 – 3.1 m
977448	Clamp for quick grip device; 1.7 – 3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
977464	ModulDrill mounting plate
10988902	Water retention ring complete 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 I

Dimensions & Weight

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

System recommendation

Core drilling system with DRA250*** (Steel dowel foot)		
10987500	Drill rig DRA250***	
10992081	El. drill. motor DME24MW***	
977619	Fastening bolt assembly	
Accessories		
Accessories		
975378	Vacuum plate complete	
984035	Vacuum pump CV 45 I/min, 0.8 bar EU	
975372	Vacuum pump CV 45 I/min, 0.8 bar CH	
975381	Vacuum hose 3 m complete	

961614	Ceiling prop
977394	Quick grip device 1.7 – 3.1 m
977448	Clamp for quick grip device; 1.7 – 3.1 m
977619	Fastening bolt assembly
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





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SAFETY

SafetyBrand 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 tightended 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 equipement and eye protection. Wearing personal safety equipement, 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.



RECOMMENDED RPM

	Revolutions per minute [RPM] depending on the external tool diameter [D] and the operating speed [VS] Recommended operating speed VS in m/s						
	Dril	Drilling Sawing					utting
D in mm	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		
1000	40	60	760	950	1,150		
1200	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)

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.

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 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 customerspecific 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.









Leaflets











Product catalogue Industrial trade

You'll get further information on our trade assortment in our industrial trade catalogue. Please order at **catalogue@tyrolit.com**





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