



Construction trade Product catalogue

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A Company of the SWAROVSKI Group
www.tyrolit.com

TYROLIT

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 family-run 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.



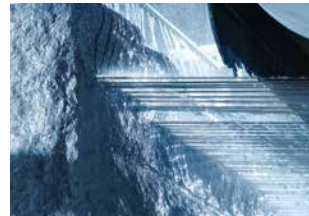
Trade

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 first-class 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

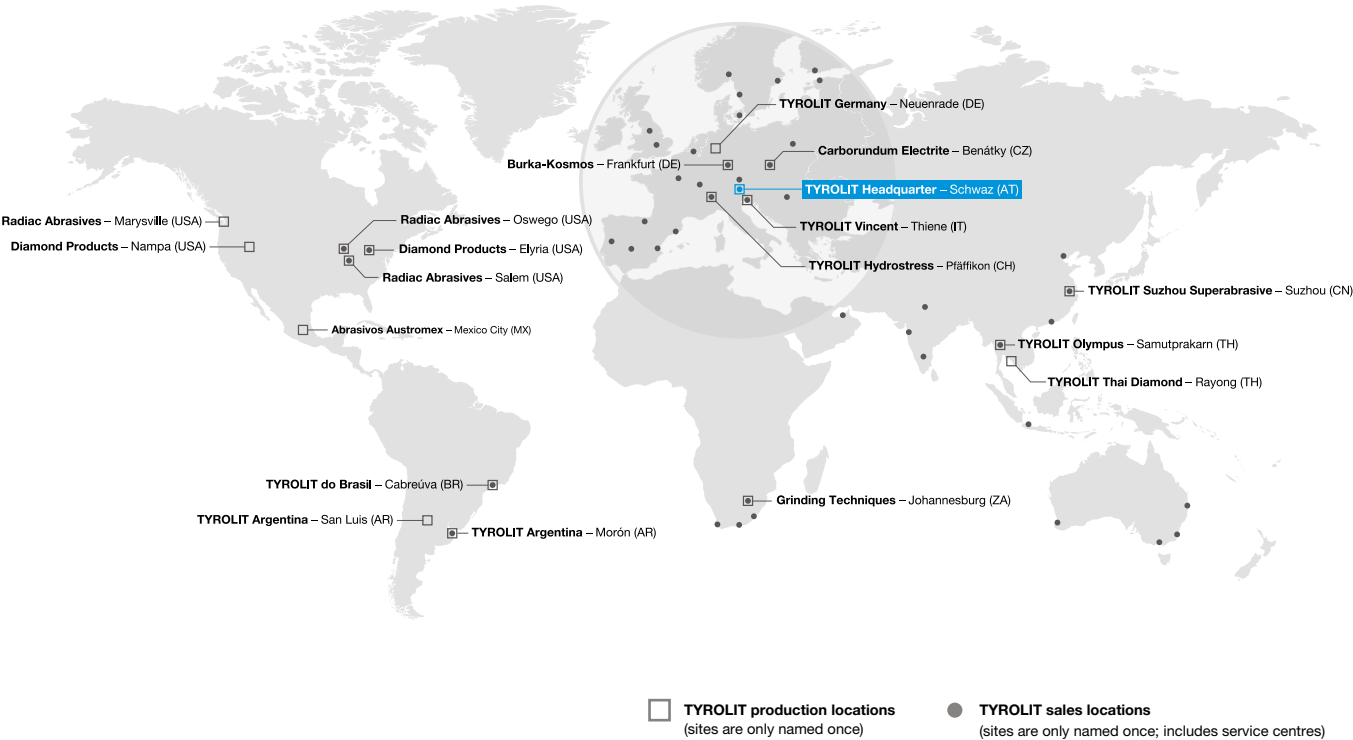
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.

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





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.

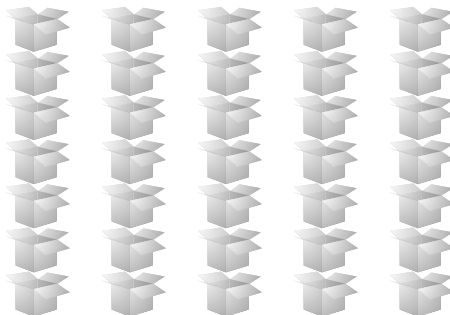


Global logistics

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

TYROLIT warehouses

Argentina	Czech Republic
Brazil	Great Britain
France	USA
Spain	Austria
Thailand	South Africa



3.300.000

consignments leave the Benátky 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

Label	Universal	Concrete	Hard stone	Tiles	Marble	Asphalt	Abrasive materials
Colour code	yellow	red	blue	green	green	grey	grey
Material	Universal building materials	Concrete	Hard stone	Tiles, ceramic materials	Soft stone, marble	Abrasive materials	Abrasive materials

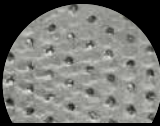
Convincing technologies



TGD® - TYROLIT GRAIN DISTRIBUTION

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

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



TGD® Segment



Conventional segment



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

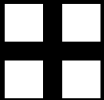


P2®
PERMANENT
POWER

P2® - PERMANENT POWER

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

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



**Modular
System**

Modular System

Thanks to the TYROLIT Modular System, individual components can be used for the same area of application and for different applications. This not only makes the work easier and more efficient, it also saves on costs. One part of the TYROLIT Modular System is the ModulDrill quick clamping system, for example, which enables our drill motors to be rapidly attached to different TYROLIT drill rigs.



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





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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FREE HAND



DRY CUTTING SAW BLADES FOR ANGLE GRINDERS AND PETROL SAWS

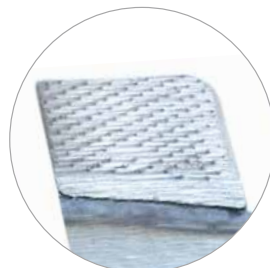
TYROLIT provides laser welded and directly sintered dry-cutting saw blades that meet the highest standards of quality and safety.

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 life-time and noticeable smooth running through optimised grain distribution. This provides for clean cuts that require no reworking. Furthermore, significantly less vibration is generated, resulting in less strain on the operator and the machine. These advantages are particularly economically evident in continuous operation: The operator

can distribute his effort evenly over the day and machines remain serviceable longer.



TGD®
TYROLIT GRAIN
DISTRIBUTION

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



Performance level	Specification	Pages	Universal	Concrete	Hard stone	Abrasive materials	Soft stone	Asphalt	Tiles	Steel
PREMIUM***	DCU*** 4in1 TGD	18	•	•	•					•
	DCU***	19	•							
	DCU***-FC 4in1	19	•							
	DCU***-S	19	•							
	DCC***	21		•						
	DCC***-FC	22		•						
	DCH*** TGD	24			•					
	DCH***	24			•					
	DCH***-FC	24			•					
	DCAB***	25				•				
	DCA***	27						•		
	DCA+C*** 2in1	29		•				•		
	DCM***	26					•			
	DCT***	26							•	



Performance level	Specification	Pages	Universal	Concrete	Asphalt
STANDARD★★	DCU**	20	•		
	DCU**-FC	20	•		
	DCC**	22		•	
	DCC**-LL	23		•	
	DCA**	27			•
	DCA+C** 2in1	29		•	•



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		•			•	

FC - Fastcut

S - Silent

LL - Longlife

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.



- + **Reduced 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

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 ready-

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	
	 C3W	704617	230x2.4x22.23	14	
		736088	300x2.6x20	14	
		22373	300x2.6x22.23	14	
		59580	300x2.6x25.4	14	
		736102	350x3x20	14	
		22377	350x3x25.4	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	
		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

		C6R			
		474743	115x2x22.23	10	
		474746	125x2x22.23	10	
		474751	150x2.4x22.23	9	
		474752	180x2.4x22.23	9	
		474753	230x2.4x22.23	9	

DCU***-S | in Silent design

		C3G	474771	230x2.6x22.23	9	
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PREMIUM*** CUTTING AND CHAMFERING DISC

DCCI*** Combi



The new cutting and chamfering disc DCCI Combi has been especially developed for the treatment of plastic pipes. The galvanized cutting edge and the diamond-coated chamfering enable a constant and clean cutting

and chamfering at the same time. A cutting depth stop serves as an additional aid.

	Shape	Type No.	Dimension	Segment height	
		UC3	34228075	125x3x22.23	3

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	
		467443	115x2x22.23	7	
		467444	125x2x22.23	7	
		467445	150x2.6x22.23	9	
		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	10	

DCU**-FC

		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	
		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	
		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
			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

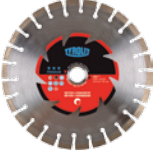


DCU*-FC

		C3R	467266	105x2x20	7
			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	
		C6W	465488	115x2.2x22.23	10
			465489	125x2.2x22.23	10
			465490	150x2.4x22.23	12
			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.

For use with all common wall chasers.

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

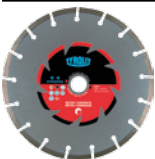


STANDARD ★★ DRY CUTTING SAW BLADE

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
		474777	150x2.6x22.23	9
		474778	180x2.6x22.23	9
		474780	230x2.6x22.23	9
		465503	300x2.6x20	10
		465505	300x2.6x22.23	10
		465507	300x2.6x25.4	10
		465509	350x3x20	10
		465662	350x3x22.23	10
		465512	350x3x25.4	10
		485041	400x3x20	10



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
		484996	300x2.6x22.23	10
		484999	300x2.6x25.4	10
		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® Technol-

ogy 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	
		736095	300x2.6x20	14	
		43485	300x2.6x25.4	14	
		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	
		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.

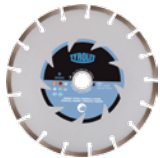
	Shape	Type No.	Dimension	Segment height	
	C3	475790	115x1.2x22.23	7	
		475793	125x1.2x22.23	7	
	C3W	475797	180x1.9x22.23	9	
		475800	230x1.9x22.23	9	

BASIC★ DRY CUTTING SAW BLADE

DCH*



Materials able to be machined: Granite, porphyry, paving slab, hard lime-stone, etc.

	Shape	Type No.	Dimension	Segment height	
	 C3	467386	115x2x22.23	7	
		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	
		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	
		465977	125x2.2x22.23	10	
		465979	150x2.2x22.23	10	
	 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

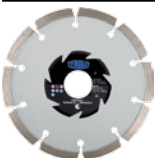
	Shape	Type No.	Dimension	Segment height	
	 FRSU	563873	115x7.2x22.23	7	
		535829	125x7.2x22.23	7	

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
		465672	115x2.2x22.23	9
		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, carbon fibre, composites, fibreglass, bulletproof glass, etc. Details: with electroplated coating, also suitable for rescue operations.

	Shape	Type No.	Dimension	Segment height
		315968	115x2.5x22.23	2
		315967	125x2.5x22.23	2
		547611	150x3x22.23	2
		315966	180x3x22.23	2
		315965	230x3x22.23	2
		490961	350x3x20	2.5
		490962	350x3x25.4	2.5



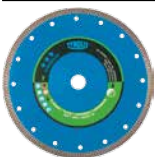
PREMIUM★★★ DRY CUTTING SAW BLADE

DCT★★★



Materials able to be machined: Ceramic tile, fine stoneware, porcelain.

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

	Shape	Type No.	Dimension	Segment height
		639558	105x1x20	10
		639559	115x1.2x22.23	10
		639560	125x1.2x22.23	10
		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
		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	Type No.	Dimension	Segment height
	 C7SW	465982	300x2.8x20	10
		465983	300x2.8x22.23	10
		465984	300x2.8x25.4	10
		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	10
		465522	350x3x25.4	10
		465525	400x3.2x25.4	10
		465526	450x3.6x25.4	10



BASIC★ DRY CUTTING SAW BLADE

DCA★



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

	Shape	Type No.	Dimension	Segment height	
		C1SW	465649	300x2.8x20	10
			465656	300x2.8x22.23	10
			465650	300x2.8x25.4	10
			465651	350x3x20	10
			465652	350x3x25.4	10
			529402	400x3.2x25.4	10
			529403	450x3.6x25.4	10

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



	Shape	Type No.	Dimension	Segment height	
		C73SW	465640	300x2.6x20	10
			465642	350x3x25.4	10
					 

STANDARD 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	34168634	300x2.8x20	10
			34237091	300x2.8x25.4/20	10
			34168635	350x3x20	10
			34237092	350x3x25.4/20	10
					 

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
			736311	300x2.8x25.4	10
			736313	350x3x20	10
			80653	350x3x25.4	10
					 

Free hand

PREMIUM★★★ ROOFER'S CUTTING WHEEL

+ **Universal use**
for all common roofing
materials.

+ **Overheating-free**
even in the case of high
loads.



+ **Ribbed cutting rim**
for minimal cutting
pressure.

+ **Ensures straight cuts**
and clean-cut edges.

The TYROLIT roofer's cutting wheel was specially developed for the wide-ranging roofing application scenarios and is suitable for cutting

all common roofing materials – from concrete and clay roof tiles through to fibre cement. The ribbed cutting rim and the hardened steel core ensure

minimum cutting pressures and clean straight cuts throughout the wheel life.

PREMIUM★★★ ROOFER'S CUTTING WHEEL



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

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***	35	
	DGU*** Turbo	34	



Performance level	Specification	Pages	Universal
STANDARD**	DGU** Single row	35	
	DGU** Double row	35	
	DGU** Turbo	36	
	DGU**-T Continuous	36	
	DGAB**	36	
	DGC**	37	
	DGH**	37	
	DGU**-FC	37	

Free hand

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.

+ **Quick dust removal**



+ **Impressive performance and lifetime**

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

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

A 22, 23-16 mm reduction bush is supplied with a wheel diameter of 100 mm.

PREMIUM★★★ DIAMOND CUP WHEEL
DGU***-Turbo | W-Segment



	Shape	Type No.	Dimension	Segment height
		STS-T		
		598061	100x20x22.23	5
		34179930	125x23x22.23	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
		STHD		
		356569	100x18x22.23	5
		350694	110x18x22.23	5
		367833	110x18xM14	5
		348387	125x18x22.23	5
		828013	180x19x22.23	5

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

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.

	Shape	Type No.	Dimension	Segment height	
		STS-S	494333	100x18x22.23	5

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
		STS-T		
		494342	100x18x22.23	5
		494365	125x20x22.23	5
		494391	180x32x22.23	5

STANDARD★★ DIAMOND CUP WHEEL
DGU**-T | Continuous



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

high grinding power.

	Shape	Type No.	Dimension	Segment height
		STS-TC		
		34247005	100x6x22.23	6
		34247126	115x6x22.23	6
		34247127	125x6x22.23	6
		34247128	180x6x22.23	6

STANDARD★★ DIAMOND CUP WHEEL
DGAB** | T-Segment



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

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

	Shape	Type No.	Dimension	Segment height
		STS-TS		
		34247129	100x5x22.23	5
		34247130	115x5x22.23	5
		34247151	125x5x22.23	5
		34247152	180x5x22.23	5

STANDARD★★ DIAMOND CUP WHEEL
DGC** | T-Segment



Machinable materials: concrete & general building materials.
Details: Grinding disc with T segment for universal use. Excellent grinding power.

Shape		Type No.	Dimension	Segment height	
		STS-TS	34247153	100x5x22.23	5
			34247154	115x5x22.23	5
			34247155	125x5x22.23	5
			34247156	180x5x22.23	5

STANDARD★★ DIAMOND CUP WHEEL
DGH** | T-Segment



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

Shape		Type No.	Dimension	Segment height	
		STS-TS	34247157	100x5x22.23	5
			34247158	115x5x22.23	5
			34247159	125x5x22.23	5
			34247160	180x5x22.23	5

STANDARD★★ DIAMOND CUP WHEEL
DGU**-FC | L-Segment



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

Shape		Type No.	Dimension	Segment height	
		STS-LS	34247161	100x5x22.23	5
			34247162	115x5x22.23	5
			34247164	125x5x22.23	5
			34247165	180x5x22.23	5



TYROLIT
HYDROSTRESS

HAND- AND RING SAW BLADES

Free hand





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®	42	•
	RSL***	42	•
	RSM***	43	•

Colour indication

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

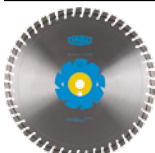
PREMIUM★★★ HAND-HELD SAW BLADE

HSL*** | in TGD®-Technology



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 cut-off machines.

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

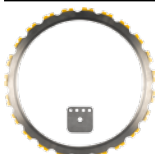
PREMIUM★★★ RING SAW BLADE

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	Type No.	Dimension	Segment height	
		C1W	738471	406x3.9x326.8	10
			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	Type No.	Dimension	Segment height
	 C1W	739886	366x4.2x288	10

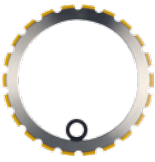


PREMIUM★★★ RING SAW BLADE
RSM*** | Ø 366 mm



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	Type No.	Dimension	Segment height
	 C1W	739887	366x4.2x25.4	10

 = low  = medium

HAND SAW

HBE350★★★

Cutting depth up to 125 mm



355 mm saw blade with cutting depth up to 125 mm



2,8 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

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

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

System & Accessories

Technical data

Saw blade

Max. cutting depth	125 mm
Max. saw blade Ø	355 mm
Saw blade uptake	25,4 mm

Drive

Drive/motor	Electric
Voltage / Frequency	230 V / 50-60 Hz
Voltage / Frequency optional	110 V / 50-60 Hz
Power	2,8 kW

Dimensions & Weight

Length	625 mm
Width	250 mm
Height	365 mm
Weight (without blade)	7,9 kg

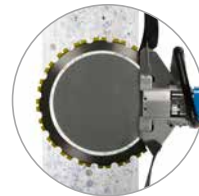
System & Accessories

Hand saw HBE350***

10996674	Hand saw HBE350*** / 230 V
10996675	Hand saw HBE350*** / 110 V

RING SAW **HRE400★★★**

Cutting depth up to 317 mm



405 mm saw blade with cutting depth up to 150 mm



3.2 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

The HBE400*** is an electric hand-held saw with a cutting depth up to 150 mm. The saw is suitable for both wet and dry applications. An integrated dust extraction connection enables clean working. The compact

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

System & Accessories

Technical data

Saw blade

Max. cutting depth	317 mm
Max. saw blade Ø	406 mm

Drive

Drive / motor	Electric
Voltage / Frequency	230 V / 50-60 Hz
Voltage / Frequency optional	110 V / 50-60 Hz
Power	3,1 kW

Dimensions & Weight

Length	568 mm
Width	186 mm
Height	450 mm
Weight (without blade)	10 kg

System & Accessories

Ring saw HRE400***

10996672	Ring saw HRE400*** / 230 V
10996673	Ring saw HRE400*** / 110 V

Accessories

10996670	Complete cut 300 mm
10996671	Complete cut 400 mm
10996678	Upper drive roller
10996679	Lower drive roller

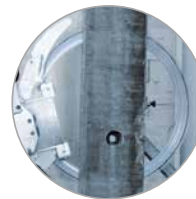
RING SAW

HRH500★★★

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



Optional flow divider for use with hydraulic power packs

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
Type	Casappa
Max. flow	30 l/min
Max. pressure	172.5 bar

Dimensions & Weight

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

System & Accessories

Ring Saw HRH500***

10991469	Ring Saw HRH500***
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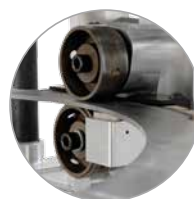
Zubehör

10991989	Flow-volume splitter (30 l/min, 170 bar)
10991881	Hydraulic seal / bearing rebuild kit
10992895	Upper drive roller
10991813	Lower drive roller

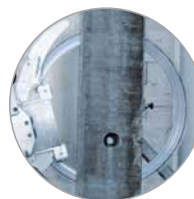
RING SAW

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
Type	Dolmar 6400
Power	4.8 HP
Displacement	64 cc

Dimensions & Weight

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

System & Accessories

Ring Saw HRG500***

10991778	Ring Saw HRG500***
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Accessories

10991812	Upper drive roller
10991813	Lower drive roller





TABLE SAWING

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DIAMOND SAW BLADES FOR TABLE SAWS

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

TYROLIT table saw blades are developed to work perfectly with TYROLIT

Hydrostress machines and therefore meet all cutting work challenges and

deliver the best results.

Application recommendation

Performance level	Specification	Pages	     					
			Universal	Hard stone	Engineering bricks	Abrasive materials	Soft stone	Tiles
PREMIUM***	TSU***	56	•					
	TSU***-Silent	57	•					
	TSH***	57		•				
	TSH***-Silent	57		•				
	TSS10***	58			•			
	F40***	57				•		
	ES-T***	58					•	
	DCT***	58						•

Service

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

Remarks / Recommendations

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

PREMIUM★★★ TABLE SAW BLADE TSU★★★

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

- + **Maximum performance
and lifetime**



- + **Broad product range**

Materials able to be machined: cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35-30

mm and 30-25.4 mm reduction bushes are included with disc diameters up to 550 mm. A 60-55 mm reduction

bush is supplied with disc diameters of 625 mm and upwards.

PREMIUM★★★ TABLE SAW BLADE TSU★★★



	Shape	Type No.	Dimension	Segment height
		C2W		
		34180849	250x2.2x35	10
		34180294	300x2.4x35	10
		34180293	350x2.8x35	10
		34180291	400x3.2x35	10
		34180270	450x3.2x35	10
		34180268	550x3.6x35	10
		C1W		
		34180263	625x3.6x60/55	10
		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 bush-

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

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

PREMIUM* TABLE SAW BLADE**

TSH***



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

		Type No.	Dimension	Segment height
		C2 34221327	300x2.8x35	14
		34221325	350x2.8x35	14

TSH***-Silent

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

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

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.

	Shape	Type No.	Dimension	Segment height
	 C1	894258	350x2.8x35	9

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.

	Shape	Type No.	Dimension	Segment height
	 C2	5684	300x2.4x35	7
		5685	350x2.8x35	7

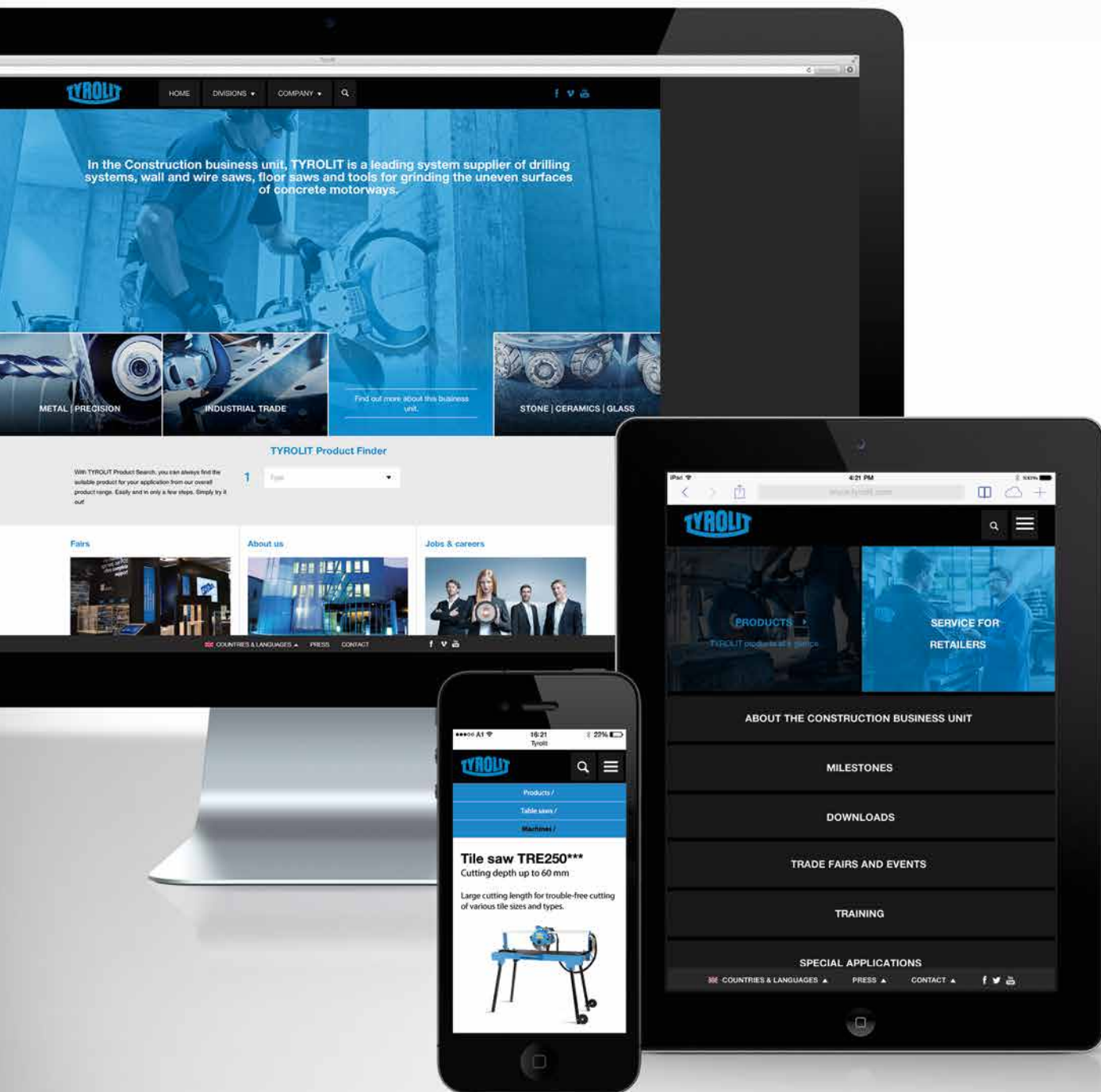
PREMIUM*** TABLE SAW BLADE

DCT***



Materials able to be machined: ceramic tiles, fine stoneware, porcelain, terrazzo slabs. Details: ultra-thin saw blades with excellent properties. 35-30 mm and 30-25.4 mm reduction bushes are supplied.

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



www.tyrolit.com

TILE SAW **TRE250**★★★

Cutting depth up to 60 mm



Cutting length up to 1 m for cutting large tiles



Clean cuts thanks to precise saw head guide and robust design



Safe and easy transport thanks to folding feet and transport wheels

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

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

System & Accessories

Technical data

Saw blade

Max. cutting depth	60 mm
Max. saw blade Ø	250 mm
Cutting length	940 mm (1050 mm)*
Saw blade speed	2800 rpm
Saw blade holder Ø	25.4 mm

* Plunge cut

Drive

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

Design

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

Dimensions & Weight

Length	1375 mm
Width	740 mm
Height	1275 mm
Weight	79 kg

System & Accessories

Tile saw TRE250***

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

Accessories

10995459	Side splash guard
10995489	Parallel guide

MASONRY SAW

TBE350★★

Cutting depth up to 110 mm

Table sawing



Swivelling saw head enables 45° mitre cuts



Two robust castors ensure total manoeuvrability in the deployment location



Angle stop provided for cuts of 30° to 90°

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

ti-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 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
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

TME700★★★

Cutting depth up to 270 mm

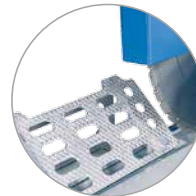
Table sawing



Removable water tank for easier cleaning



Sturdy, balanced transport hook for easy crane transport



Precise mitre cutting thanks to mitre stop

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

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

System & Accessories

Technical data

Saw blade

Max. cutting depth	270 mm
Max. saw blade Ø	700 mm
Cutting length	600 mm
Saw blade speed	1380 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

Drive

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

Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function (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

System & Accessories

Masonry saw TME700***

10989600	Masonry saw TME700*** / 400 V
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Accessories

10978735	Mitre stop (Jolly table)
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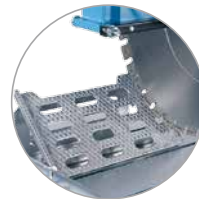
MASONRY SAW

TME1000★★★

Cutting depth up to 380 mm



Large cutting depths to 380 mm possible (with saw blade Ø 1000 mm)



Precise mitre cutting due to mitre stop



Fork lift guides for easy and secure transport

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

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

System & Accessories

Technical data

Saw blade

Max. cutting depth	380 mm
Max. saw blade Ø	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

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

System & Accessories

Masonry saw TME1000***

10989800	Masonry saw TME1000*** / 400 V
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Accessories

10978735	Mitre stop (Jolly table)
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FLOOR SAWING

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FLOOR SAW BLADES

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

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

- + Exceptional and consistent cutting performance coupled with a long service life
- + Universal use
- + Innovative diamond segment design
- + Quiet when working on reinforced concrete
- + Clean cutting edges
- + Large product range: diameters from 300 – 1200 mm in various segment widths

Colour indication

	Concrete	Asphalt
Low Power (≤ 15 kW)		
Medium Power (> 15 -25 kW)		

Application recommendation

Performance level	Specification	Pages			
			Cured concrete	Asphalt	Green concrete
PREMIUM ★★★	FSL***-C TGD	72	●		
	FSM***-C TGD	73	●		
	FSC***	74	●		
	FSL***-A	75		●	
	FSA***	76		●	
	FSL***-G4	78			●
	FSM***-G4	78			●
	DCA+C***	76		●	●

Performance level	Specification	Pages			
			Universal	Asphalt	Green concrete
BASIC ★	DCU*	74	●		
	DCA*	76		●	
	DCA+C* 2in1	77		●	●

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

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 diam-

eter 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
	 C77W	620570	350x3.2x25.4	10
		620571	350x3.9x25.4	10
		612893	450x3.9x25.4	10
		613264	450x4.4x25.4	10
		613271	500x3.9x25.4	10
		613272	600x3.9x25.4	10
		638179	600x3.9x25.4	10
		648205	600x3.9x60/25.4	10
		613273	600x4.4x25.4	10
		615335	600x5x25.4	10
		103020	650x3.9x25.4	10



	Shape	Type No.	Dimension	Segment height
		613274	700x3.9x25.4	10
		615338	700x4.4x25.4	10
		613276	800x3.9x25.4	10
		615339	800x4.4x25.4	10
		615340	900x4.4x25.4	10
		615341	1000x4.4x25.4	10
		646183	1200x4.4x35/25.4	10

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.
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)

	Shape	Type No.	Dimension	Segment height
		C77W 620572	350x3.2x25.4	10
		620573	350x3.9x25.4	10
		739750	350x3.9x35/25.4	10
		615342	450x3.9x25.4	10
		653498	450x3.9x35/25.4	10
		613277	450x5x25.4	10
		631830	450x5x35/25.4	10
		613280	500x3.9x25.4	10
		613284	600x3.9x25.4	10
		613285	600x4.4x25.4	10
		613286	600x5x25.4	10
		624783	600x5x35/25.4	10
		613287	700x3.9x25.4	10
		615343	700x4.4x25.4	10
		643676	700x4.4x35/25.4	10
		613288	800x4.4x25.4	10
		621887	800x4.4x35/25.4	10
		34167502	800x5x25.4	10
		613289	900x4.4x25.4	10
		613291	1000x4.4x25.4	10
		633953	1000x4.4x35/25.4	10
		620575	1200x4.4x25.4	10

● = low

● = medium

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
		574853	300x3.2x25.4	12
		574854	350x3.2x25.4	12
		574855	400x3.2x25.4	12
		574856	450x3.6x25.4	12
		574857	500x3.6x25.4	12
		574858	600x3.6x25.4	12
		34237521	700x3.6x35	12
		34237523	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
		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		
		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
		34237486	700x4,7x35/25,4	11
		34237487	800x4,7x35/25,4	11
		C1S		
		620553	900x4,7x35/25,4	11
		620555	1000x4,7x35/25,4	11
		620556	1200x4,7x35/25,4	11

● = low

● = medium

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



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

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

	Shape	Type 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
		34237480	700x4.2x35	9
		34237482	800x4.2x35	9

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

BASIC★ FLOOR SAW BLADE
DCA+C*-2in1



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
		736309	300x2.8x20	10
		736311	300x2.8x25.4	10
		736313	350x3x20	10
		80653	350x3x25.4	10

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

+ **Reduced cutting pressure**
very clean groove edges,
cuts extremely quickly.



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

Expansion joints, factory floors.
Machines up to 25 kW / hydr. up to
50 kW Universal | soft to 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 –(underctting effect). Very clean
groove edges, cuts extremely quickly.





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



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



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



Expansion joints, factory floors. Machines up to 15 kW | 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.

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

● = low

● = medium



FLOOR SAW

FSG513★★★

Cutting depth up to 170 mm



User-friendly cutting depth setting and convenient speed control



Optimised centre of gravity above the shaft



Universal field of application with left and right cutting function

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

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

System & Accessories

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

Floor saw FSG513***	
10988800	Floor saw FSG513*** incl. water tank kit

Accessories

10988783	Water tank kit (water tank holder, water tank, hook for transport)
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FLOOR SAW

FSG620★★★

Cutting depth up to 230 mm



Exceptionally easy handling due to neatly arranged control panel



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



Blade guard side change in just a few steps

Thanks to its intelligent weight distribution, the FSG620** provides for excellent cutting behaviour and the

left- and right-handed cutting function enhances flexibility.

System & Accessories

Technical data

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

Floor saw FSG620***

10984041	Floor saw FSG620***
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Accessories

10984389	Green concrete kit with 350 mm blade guard and transformation set (3000 rpm)
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FLOOR SAW

FSE811 ★★★

Cutting depth up to 320 mm



Transmission guarantees optimum cutting speeds



Left and right cutting



Maintenance free belt drive

Perfectly suited for indoor use, the floor saw FSE811*** has also been especially designed for locations that are difficult to access and allows

a quick and easy change from left to right cutting. Additionally, this saw features a smooth cutting depth adjustment using a precise and protected spindle.

System & Accessories

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

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

System & Accessories

Floor saw FSE811***

10992000	Floor saw FSE811***
----------	---------------------

FLOOR SAW

FSD930★★

Cutting depth up to 350 mm



Easy, controlled work thanks to clear control panel



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



Exact alignment of the machine using cut indicator

Thanks to intelligent weight distribution, the FSD930** features excellent cutting behaviour. The hydraulic feed

drive and electro-hydraulic cutting depth adjustment permit convenient and ergonomic operation.

System & Accessories

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

Drive

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

Design

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

Dimensions & Weight

Length	1170 mm
Width	820 mm
Height	1250 mm
Weight	655 kg

System & Accessories

Floor saw FSD930***	
10984042	Floor saw FSD930***

Accessories

10984390	Green concrete kit with 450 mm blade guard and transformation set (2300 rpm)
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Diesel particle filter and transformation set on request.



FLOOR GRINDING

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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
- + Impressive mobility as well as trouble-free transportation thanks to detachable machine parts
- + Fatigue-proof working and reduction of side forces because of outstanding machine balance
- + Timesaving patented quick tool fixing system
- + Maximum durability and load capacity due to very robust construction
- + 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 GRINDER

FGE270★★★

Single-phase, max. grinding width 270 mm



Grinding made easy - simply plug the machine into the mains and start drilling immediately



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.

System & Accessories

Technical data

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

Design

1 Grinding head
Direct drive
Detachable machine parts

Drive

Drive/motor	Electric
Type	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

Dimensions & Weight

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

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)

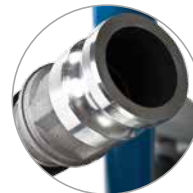
FLOOR GRINDER

FGE400★★★

Three-phase, max. grinding width 400 mm



The single grinding head principle ensures exceptional grinding power



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.

System & Accessories

Technical data

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

Design

1 Grinding head
Direct drive
Detachable machine parts

Drive

Drive/motor	Electric
Type	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

System & Accessories

Floor Grinder FGE400***

10990283	Floor Grinder FGE400*** 400V (50 Hz)
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Accessories

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

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.

System & Accessories

Technical data

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

Design

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

Drive

Drive/motor	Electric
Type	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

Dimensions & Weight

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

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)

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.

System & Accessories

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

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

Drive

Drive/motor	Electric
Type	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

System & Accessories

Floor Grinder FGE530***

10990286	Floor Grinder FGE530*** 400V (50 Hz)
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Accessories

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	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)

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)
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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



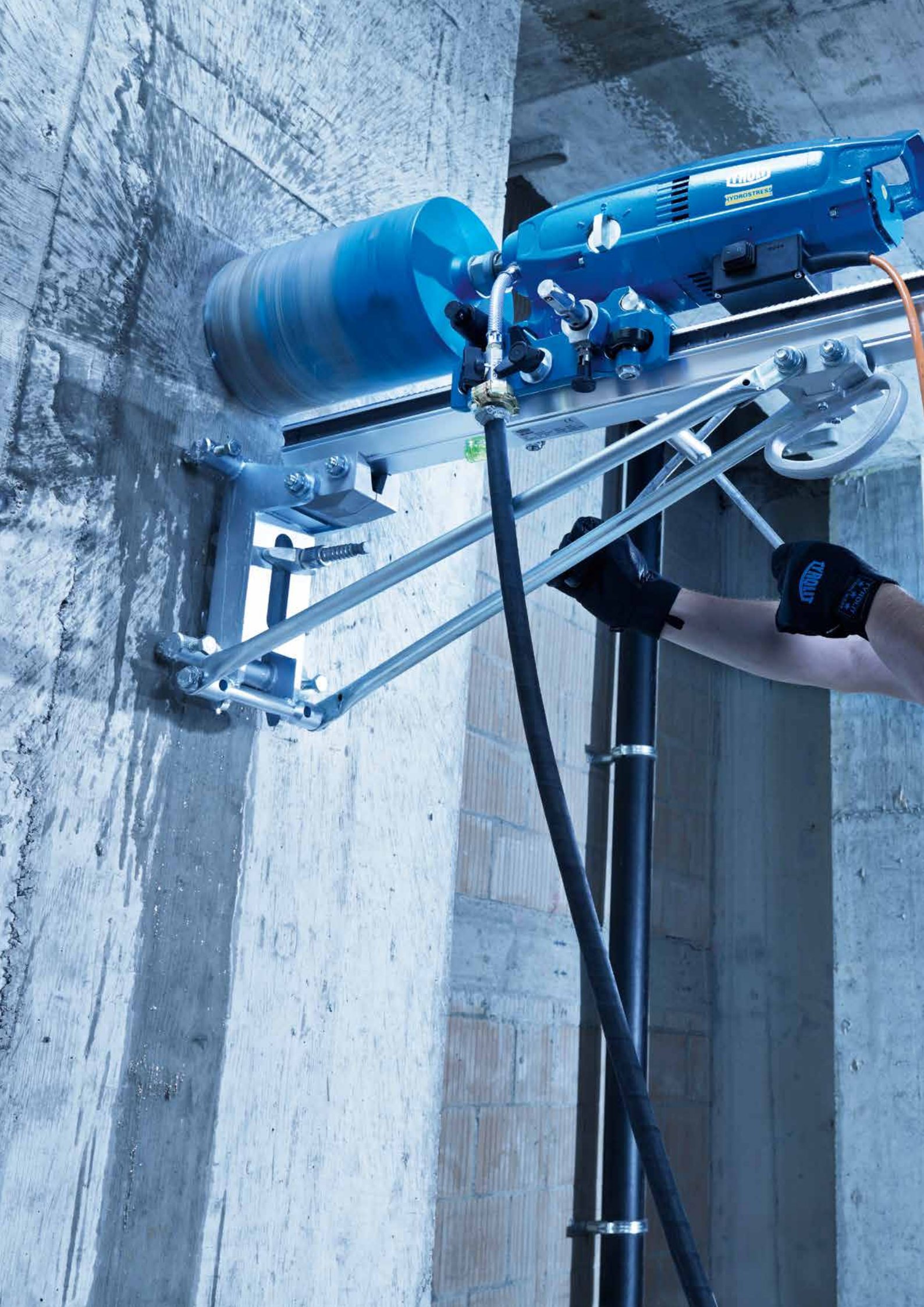
10991635	Set-heavy removal GT0*** (9 x single segment)
10991312	Set-removal GT1*** (9 x single segment)
10991313	Set-removal GT1*** (9 x double segment)
10991314	Set-rough grinding GT2*** (9 x single segment)

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

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DIAMOND WET DRILL BITS



DRILL BITS FOR WET DRILLING

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

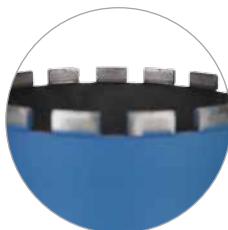
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construc-

tion 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.



TGD®
TYROLIT GRAIN
DISTRIBUTION

Speeds

DIAMETER	SPEED	Drive power
Concrete (2–3 m/s)		
mm	rpm	kW
18	2100–3200	1
32	1200–1800	
42	900–1400	
52	750–1100	
62	620–950	2
72	550–800	
82	470–700	
102	370–550	3
122	310–470	
152	250–380	
162	240–350	4
182	210–320	
202	190–280	
250	150–230	
300	130–190	
400	100–140	
500	80–120	

Service

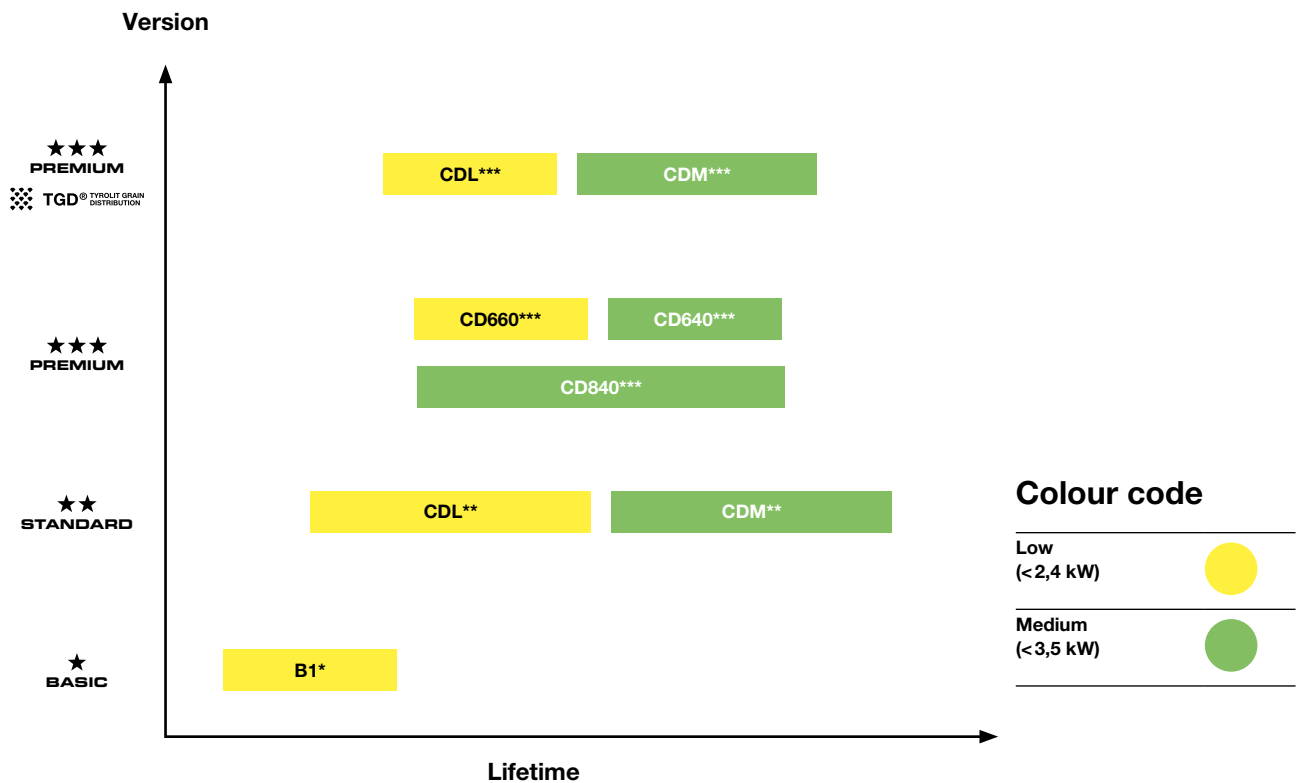
- + Products for concrete (asphalt, masonry, steel and special applications on request)
- + Mountings and connection threads available to comply with local standards and tailored to suit all types of motors (electric, hydraulic)
- + Perfect system solution in conjunction with TYROLIT Hydrostress drill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

Information / Recommendations

- + Highest levels of performance at peripheral speeds of 2–3 m/s on concrete (1.2–1.8 m/s on reinforced concrete, 3.2–3.8 m/s on very abrasive materials)
- + For core drills with a diameter of 450 mm or more, we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request
- + The correct drill rig mounting is essential
- + The correct coolant quantity is also important for the optimum drilling performance (“milky” consistency of the water)
- + The machine safety and user instructions must be read and understood before starting work. The drilling safety manual will be sent to you on request

Product life

TYROLIT Wet core drills



Application recommendation

TYROLIT Wet core drills

Material properties

Specification	Aggregates				Abrasiveness			Reinforcement		
	soft	medium	hard	very hard	low	medium	high	low	medium	high
CDL***	●	●	◐	○	◐	●	●	●	●	◐
CDM***	◐	●	●	◐	○	●	●	◐	●	●
CD640***	◐	●	●	●	○	◐	●	◐	●	●
CD660***	●	●	◐	○	◐	●	◐	●	◐	
CD840***	●	●	◐	○	○	●	●	●	●	◐
CDL**	◐	◐	○		○	◐	◐	◐	○	
CDM**	○	◐	●	●		○	●	◐	●	●
B1*	●	◐	◐		◐	◐	○	◐	○	
	Lime- stone Granite	Quartz Granite	Rhine gravel Danube gravel	Flint						

Machine power

Specification	Machine power			Speed		
	- 2,4 kW	- 3,5 kW	> 3,5 kW	low	medium	high
CDL***	●	●	○	○	●	●
CDM***	○	●	●	●	●	◐
CD640***	◐	●	◐	○	●	◐
CD660***	●	◐			◐	●
CD840***	◐	●	●	◐	●	●
CDL**	◐	◐	○	○	◐	◐
CDM**	○	◐	●	◐	●	○
B1*	◐	◐		○	◐	◐

Suitability

optimal	●
good	◐
acceptable	○
not suitable	

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® Tech-

nology and new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.

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



		Type no.	Dimension	Segment height
	HOHL3	854317	14x400xR1/2"	7
		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

 = low

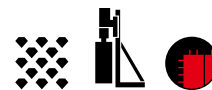




HOHL1

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	117x450x11/4"	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
34018534	250x500xPIXIE	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 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 new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.

	Type No.	Dimension	Segment height
	HOHL1D	606482	47x450x1 1/4" 8.5
		606527	52x450x1 1/4" 8.5
		607085	52x500xPIXIE 8.5
		606530	57x450x1 1/4" 8.5
		606485	62x450x1 1/4" 8.5
		607086	62x500xPIXIE 8.5
		606536	67x450x1 1/4" 8.5
		606541	72x450x1 1/4" 8.5
		607087	72x500xPIXIE 8.5
	HOHL1	34018562	82x450x1 1/4" 11.3
		34018563	82x500xPIXIE 11.3
		34018564	92x450x1 1/4" 11.3
		34018565	92x500xPIXIE 11.3
		34018566	102x450x1 1/4" 11.3
		34018567	102x500xPIXIE 11.3
		34018568	107x450x1 1/4" 11.3
		34018569	112x450x1 1/4" 11.3
		34018570	112x500xPIXIE 11.3
		34018571	115x450x1 1/4" 11.3
		34018572	122x450x1 1/4" 11.3
		34018573	122x500xPIXIE 11.3
		34018574	125x450x1 1/4" 11.3
		34018575	127x450x1 1/4" 11.3
		34018576	132x450x1 1/4" 11.3
		34018577	132x500xPIXIE 11.3
		34018578	138x500xPIXIE 11.3
		34018579	142x450x1 1/4" 11.3
		34018581	142x500xPIXIE 11.3
		34018584	152x450x1 1/4" 11.3
		34018585	152x500xPIXIE 11.3
		34018587	162x450x1 1/4" 11.3
		34018588	162x500xPIXIE 11.3
		34018589	172x450x1 1/4" 11.3
		34018590	172x500xPIXIE 11.3

● = medium

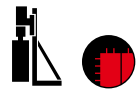


		Type No.	Dimension	Segment height
	HOHL1	34018601	182x450x11/4"	11.3
		34018602	182x500xPIXIE	11.3
		34018603	186x500xPIXIE	11.3
		34018604	193x450x11/4"	11.3
		34018605	202x450x11/4"	11.3
		34018606	202x500xPIXIE	11.3
		34018607	212x450x11/4"	11.3
		34018608	225x450x11/4"	11.3
		34018609	226x500xPIXIE	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



PREMIUM★★★ WET DRILLING BITS

CD840***



Drill motors over 3 kW. Soft to medium-hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal. New segment height of 11.3 mm

for a long lifetime, new segment geometry for a high stock removal rate. Laser-welded segments up to Ø 250 mm for maximum safety.

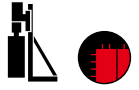
		Type No.	Dimension	Segment height
	HOHL1D	34235150	82x450x11/4"	11.3
		34235193	92x450x11/4"	11.3
		34233042	102x450x11/4"	11.3
		34235146	107x450x11/4"	11.3
		34239079	112x450x11/4"	11.3
		34235690	117x450x11/4"	11.3
		34239092	122x450x11/4"	11.3
		34235147	127x450x11/4"	11.3
		34235149	132x450x11/4"	11.3
		34239094	142x450x11/4"	11.3
		34233043	152x450x11/4"	11.3
		34239095	162x450x11/4"	11.3
		34239096	172x450x11/4"	11.3





PREMIUM★★★ WET DRILLING BITS

CD840***

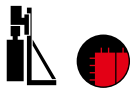


	Type No.	Dimension	Segment height
	HOHL1D	34239097	182x450x11/4" 11.3
		34233045	202x450x11/4" 11.3
		34239999	212x450x11/4" 11.3
		34240000	250x450x11/4" 11.3
		34240001	300x450x11/4" 11.3
		34240003	350x450x11/4" 11.3
		34240004	400x450x11/4" 11.3
		34240005	450x450x11/4" 11.3
		34240006	500x450x11/4" 11.3



PREMIUM★★★ WET DRILLING BITS

CD640***



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

11.3 mm for a long lifetime, new segment geometry for a high stock removal rate. Laser-welded segments up to Ø 250 mm for maximum safety.

	Type No.	Dimension	Segment height
	HOHL1D	34239204	47x450x11/4" 11.3
		34235195	52x450x11/4" 11.3
		34239032	57x450x11/4" 11.3
		34239056	62x450x11/4" 11.3
		34235196	67x450x11/4" 11.3
		34239057	72x450x11/4" 11.3
		34235197	75x450x11/4" 11.3
		34239058	82x450x11/4" 11.3
		34239059	92x450x11/4" 11.3
		34233006	102x450x11/4" 11.3
		34239060	107x450x11/4" 11.3
		34239071	112x450x11/4" 11.3
		34239072	122x450x11/4" 11.3
		34239073	127x450x11/4" 11.3
		34239074	132x450x11/4" 11.3
		34239075	142x450x11/4" 11.3
		34233007	152x450x11/4" 11.3
		34239076	162x450x11/4" 11.3
		34239077	172x450x11/4" 11.3

● = medium

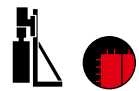


	Type No.	Dimension	Segment height
	34239078	182x450x11/4"	11.3
	34233008	202x450x11/4"	11.3
	34239991	212x450x11/4"	11.3
	34239992	250x450x11/4"	11.3
	34239993	300x450x11/4"	11.3
	34239994	350x450x11/4"	11.3
	34239995	400x450x11/4"	11.3
	34239996	450x450x11/4"	11.3
	34239997	500x450x11/4"	11.3



PREMIUM*** WET DRILLING BITS

CD660***



Drill motors up to 2.5 kW. Soft concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal. New segment height of 11.3 mm for a long life-

time, new segment geometry for a high stock removal rate. Laser-welded segments up to Ø 250 mm for maximum safety.

	Type No.	Dimension	Segment height	
	HOHL1D	34239202	47x450x11/4"	11.3
		34238995	52x450x11/4"	11.3
		34238996	57x450x11/4"	11.3
		34238997	62x450x11/4"	11.3
		34238998	67x450x11/4"	11.3
		34238999	72x450x11/4"	11.3
		34239203	75x450x11/4"	11.3
		34239000	82x450x11/4"	11.3
		34239011	92x450x11/4"	11.3
		34233009	102x450x11/4"	11.3
		34239012	107x450x11/4"	11.3
		34239013	112x450x11/4"	11.3
		34239015	122x450x11/4"	11.3
		34239017	127x450x11/4"	11.3
		34239021	132x450x11/4"	11.3
		34239023	142x450x11/4"	11.3
		34233010	152x450x11/4"	11.3
		34239027	162x450x11/4"	11.3
		34239029	172x450x11/4"	11.3
		34239030	182x450x11/4"	11.3
		34233012	202x450x11/4"	11.3

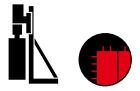
● = medium





PREMIUM★★★ WET DRILLING BITS

CD660***

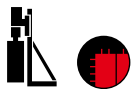


	Type No.	Dimension	Segment height
	34239984	212x450x11/4"	11.3
	34239985	250x450x11/4"	11.3
	34239986	300x450x11/4"	11.3
	34239987	350x450x11/4"	11.3
	34239988	400x450x11/4"	11.3
	34239989	450x450x11/4"	11.3
	34239990	500x450x11/4"	11.3



STANDARD★★ WET DRILLING BITS

CDL**

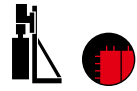


Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Details: quality tools for everyday use. An impressive drilling speed-lifetime ratio.

Universal use, lasting quality. Laser welded segments up to a diameter of 250 mm for maximum safety.

		Type No.	Dimension	Segment height
	HOHL3	475019	32x400xR1/2"	7
		475024	42x450xR1/2"	7
	HOHL1D	466842	52x450x11/4"	8.5
		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

● = low


STANDARD WET DRILLING BITS**
 CDM**


Drill motors over 3 kW | medium-hard to hard concrete aggregates. Details: quality tools for everyday use. an impressive drilling speed-lifetime ratio.

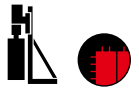
Universal use, lasting quality. Laser welded segments up to a diameter of 250 mm for maximum safety.

		Type No.	Dimension	Segment height
	HOHL1D	466887	52x450x11/4"	8.5
		476408	52x500xPIXIE	8.5
		466888	62x450x11/4"	8.5
		466889	72x450x11/4"	8.5
		500259	77x450x11/4"	8.5
		466890	82x450x11/4"	8.5
		476438	82x500xPIXIE	8.5
		466891	92x450x11/4"	8.5
		466892	102x450x11/4"	8.5
		476440	102x500xPIXIE	8.5
		466893	107x450x11/4"	8.5
		466894	112x450x11/4"	8.5
		476442	112x500xPIXIE	8.5
		466895	122x450x11/4"	8.5
		466896	127x450x11/4"	8.5
		466898	132x450x11/4"	8.5
		500268	142x450x11/4"	8.5
		546639	142x500xPIXIE	8.5
		466899	152x450x11/4"	8.5
		476449	152x500xPIXIE	8.5
		466900	162x450x11/4"	8.5
		476450	162x500xPIXIE	8.5
		466902	182x450x11/4"	8.5
		466903	202x450x11/4"	8.5
		476452	202x500xPIXIE	8.5
		500289	225x450x11/4"	8.5
		544172	225x500xPIXIE	8.5
		466904	250x450x11/4"	8.5
		476453	250x500xPIXIE	8.5



STANDARD** WET DRILLING BITS

CDM** thin-walled



Medium-hard to hard concrete aggregates. Quality tools for everyday use. an impressive drilling speed-lifetime ratio. Universal use, lasting quality.

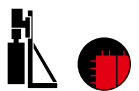
2.0 mm segment width up to a diameter of 121 mm and 2.5 mm segment width from a diameter of 131 mm upwards

		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



BASIC* WET DRILLING BITS

B1*



Drill motors up to 2.5 kW. Soft concrete aggregate. Quality tools for everyday use. New segment height of 11.3 mm for improved lifetime.

Laser-welded segments up to Ø 250 mm for maximum safety.

		Type No.	Dimension	Segment height
	HOHL1D	34239241	47x450x11/4"	11.3
		34239244	52x450x11/4"	11.3
		34239245	57x450x11/4"	11.3
		34206245	62x450x11/4"	11.3
		34206246	67x450x11/4"	11.3
		34239181	72x450x11/4"	11.3
		34206248	77x450x11/4"	11.3
		34206249	82x450x11/4"	11.3

● = low





		Type No.	Dimension	Segment height
	HOHL1D	34239183	92x450x11/4"	11.3
		34203877	102x450x11/4"	11.3
		34206261	107x450x11/4"	11.3
		34206262	112x450x11/4"	11.3
		34206263	122x450x11/4"	11.3
		34239093	127x450x11/4"	11.3
		34206265	132x450x11/4"	11.3
		34239186	142x450x11/4"	11.3
		34239187	152x450x11/4"	11.3
		34206267	162x450x11/4"	11.3
		34239188	172x450x11/4"	11.3
		34206269	182x450x11/4"	11.3
		34239189	202x450x11/4"	11.3
		34240086	212x450x11/4"	11.3
		34240087	250x450x11/4"	11.3

ACCESSORIES WET DRILLING BIT

Adapter

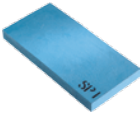


		Type No.	Machine connection	Tool connection
	ADAPT	374035	11/4" F	R1/2" F
		381983	R1/2" M	11/4" M
		462700	HT 1,5 F	11/4" M
		681095	HT 2 F	11/4" M
		759007	R1/2" M	10
		909220	11/4" F	3-LOCH

ACCESSORIES WET DRILLING BIT

Sharpening plates

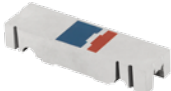


		Type No.	Dimension
	SP1	497322	55x25x320
		484627	160x30x320
		484672	320x55x320

ACCESSORIES WET DRILLING BIT

Brazing magnets



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

ACCESSORIES WET DRILLING BIT

Extensions



		Type No.	Length	Connection
	HVERL	400439	100	R1/2"
		378198	100	1 1/4"
		359475	200	R1/2"
		359471	200	1 1/4"
		359476	300	R1/2"
		359472	300	1 1/4"
		889232	400	R1/2"
		359473	400	1 1/4"
		707230	500	R1/2"
		359474	500	1 1/4"

ACCESSORIES WET DRILLING BIT

Water liners



		Type No.	Connection
	WSPB	478074	SW12
		122567	1 1/4"
		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 construc-

tion 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

Dry drilling in reinforced concrete

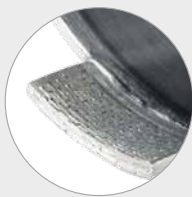
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The brand new TYROLIT dry drilling system is the first commercial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

One of a kind

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

TYROLIT dry drill bits in TGD® Technology (page 126)

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



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

TGD® TYROLIT GRAIN DISTRIBUTION

DRILL MOTOR **DME19DP★★★** (page 136)

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



System & Accessories

System & Accessories

Drill motor DME19DP***	
10988200	Drill motor DME19DP***(230V)
10987400	Drill rig DRU160***
10995437	Drill bit centring for DRU160***
10995156	Dust extraction connection 1/2"
10995087	ModulDrill clamping collar adapter plate

Accessories

10995373	Centring spike 400 mm
10995661	Centring blade Ø 52 mm
10995662	Centring blade Ø 62 mm
10995663	Centring blade Ø 68 mm
10995664	Centring blade Ø 72 mm
10995665	Centring blade Ø 82 mm
10995666	Centring blade Ø 92 mm
10995667	Centring blade Ø 102 mm
10995668	Centring blade Ø 112 mm
10995669	Centring blade Ø 122 mm
10995670	Centring blade Ø 127 mm
10995671	Centring blade Ø 132 mm
10995672	Centring blade Ø 142 mm
10995673	Centring blade Ø 152 mm
10995674	Centring blade Ø 162 mm
961955	Adapter 1/2" > M16
10994032	Adapter 1 1/4" > M16
10983964	Dust extraction adapter M16
10983845	Centring spike 120 mm
10986189	Centring spike 233 mm
10986190	Strap wrench
10995372	O-rings, spare
497322	Sharpening plate
980304	Chisel
34215616	Abrasive grain for dry drilling
10996089	Dry vacuum cleaner BSS 506 (230 V)

Accessories

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

PREMIUM★★★ DRY DRILL BITS DDL★★★-RM | 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.



+ **Long lifetime**

In conjunction with the DME19DP*** drill motor, the dry drill bits in TGD®-

Technology are the perfect solution for reinforced concrete. rig-guided dry drilling applications in

PREMIUM★★★ DRY DRILL BITS DDL***-RM | in TGD®-Technology



		Type No.	Dimension	Segment height
	HOHLT	34227784	47x450x11/4"	11.3
		34203041	52x450x11/4"	11.3
		34220540	62x450x11/4"	11.3
		34210273	82x450x11/4"	11.3
		34203220	102x450x11/4"	11.3
		34220543	122x450x11/4"	11.3
		34227727	132x450x11/4"	11.3
		34227728	142x450x11/4"	11.3
		34227729	152x450x11/4"	11.3
		34227730	162x450x11/4"	11.3

PREMIUM* DRY DRILL BITS**
DDL***-HH | in TGD®-Technology



The newly developed premium dry drill bit for hand-guided drilling impresses in many respects. With TGD®-Technology (Tyrolit Grain Distribution), a unique technology developed by Tyrolit for the optimised distribution of grain.

		Type No.	Dimension	Segment height
	HOHLT	34074200	52x250x11/4"	8
		34074212	62x250x11/4"	8
		34074213	68x250x11/4"	8
		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

PREMIUM* DRY DRILL BITS**
DDE*** | in TGD®-Technology



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

		Type No.	Dimension	Segment height
	HOHLT	34201286	68x70xM16	11.3
		34201288	82x70xM16	11.3

STANDARD DRY DRILL BITS**
DDL**



Quality tool for daily use, impressive performance and lifetime.

		Type No.	Dimension	Segment height
	HOHLT	899272	32x150xM16	6.5
		899271	42x150xM16	6.5
		252911	52x150xM16	6.5
		252912	56x150xM16	6.5





STANDARD★★ DRY DRILL BITS

DDL**



	Type No.	Dimension	Segment height
	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*



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

	Type No.	Dimension	Segment height
	650292	68x70xM16	6.5
	650293	82x70xM16	6.5

DRY DRILL BITS ACCESSORIES

Connections for all common machines



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

	Type No.	Machine connection	Application
	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

	Type No.	Machine connection	Application
	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
	762471	HEX SW12	Pilot drill SDS
	762477	5/8" M16	Pilot drill SDS

DRY DRILL BITS **ACCESSORIES**

Compact universal dust extraction system



Dust extraction adapter compatible with all drilling diameters.

	Type No.	Description	Application
	10983845	Centering spike 120 mm	Basic* core drill Premium*** core drill NL 70 mm
	10986189	Centering spike 233 mm	Core drill NL 150 mm
	10986190	Strap wrench	To remove the drill bit from the adaptor
	10983964	Dust extraction adaptor with M16 connection	For attaching an industrial vacuum cleaner

DRY DRILL BITS **ACCESSORIES**

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.

	Typennummer	Bezeichnung	Produktinfo
	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





TILE DRILLS

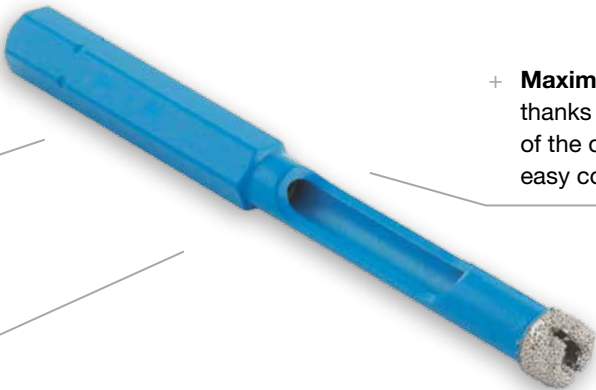
PREMIUM*** TILE DRILLS

DDT***

+ **Long lifetime**
thanks to highly effective
diamond moistening and
improved core steel grade.

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

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



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

imum 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.	Dimension	Segment height
	HOHLT	34180136	5x35xHEX	4
		69833	6x35xHEX	4
		69848	8x35xHEX	4
		69855	10x35xHEX	4
		69856	12x35xHEX	4
		69860	14x35xHEX	4
		69769	20x45xM14	4
		34214903	25x45xM14	4
		34214904	35x45xM14	4
		69768	38x45xM14	4
		34214905	42x45xM14	4
		69767	52x45xM14	4
		69766	65x45xM14	4
		51392	75x45xM14	4



ACCESSORIES TILE DRILL BITS

Adapter



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

PREMIUM*** TILE DRILL-SET Ø 5-14

DDT***



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

PREMIUM*** TILE DRILL-KIT

DDT***



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

PREMIUM*** TILE DRILL-SET Ø 20+

DDT***



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

SELECTING GUIDE FOR CORE DRILL SYSTEMS

	Power, in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DME19DP***	1.8	 	52	162	 DRU160***
 DME22SU**	2.2	  	20	180	 DRA150**
 DME20PU***	2.0	  	15	180	 DRU160***
 DME20PW***	2.0	 	15	180	 DRU160***
 DRS160**	2.2		40	160	Integrated
 DME24MW*** DME24UW***	2.3		40	250	 DRU250***  DRA250***
 DME33MW*** DME33UW***	3.3		50	450	 DRU400***  DRA400***



wet



dry



also handheld

Accessories

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

● available/suitable

DRY DRILLING MOTOR

DME19DP★★★

Dry core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

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

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

System & Accessories

Technical data

Drill Motor DME 19DP***		
Voltage/Frequency	230 V / 50 Hz	110 V / 60 Hz
Type no.	10988200	10988700
Drill diameter range	52–162 mm	
Max. drill diameter in reinforced concrete	122 mm	
Nominal power	1.8 kW	
Speed	1150 rpm	
Impact frequency	28000/min	
Motor cooling	Air	
Tool attachment	1¼" and 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

Accessories

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

System & Accessories

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

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
34215616	Abrasive grain for dry drilling

DRILL MOTOR

DME22SU★★

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

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

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

System & Accessories

Technical data

Drill Motor DME 22SU**		
Voltage/Frequency	230 V / 50-60 Hz	110 V / 50-60 Hz
Type no.	10993027	10993028
Drill diameter range	20–180 mm	
Nominal power	2.2 kW	
Nominal current	9.5 A	18 A
Load speed	400/750/1550 rpm	
No load speed	850/1650/3450 rpm	
Motor cooling	air	
Tool attachment (external)	1 ¼"	
Tool attachment (internal)	½"	
Operation	Hand-held / rig-based	
Application	Wet / dry	
Electronic overload cut-out	•	
Mechanical overload cut-out	•	
PRCD protection switch	•	
Drill rig attachment	Clamping collar 60 mm	

Dimensions & Weight

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

System & Accessories

Core drilling system with DRU160*** Drill rig	
10993027	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***).

System & Accessories

Technical data

Drill Motor	DME20PW***		DME20PU***	
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 ¼"			
Tool attachment (internal)	½"			
Operation	Hand-held / rig-based			
Application	Wet		Wet / dry	
Electric overload cut-out			•	
Mechanical overload cut-out			•	
PRCD protection switch			•	
Performance indicator			•	
Service indicator			•	
Drill rig attachment	Clamping collar 60 mm			

Dimensions & Weight

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

System & Accessories

Core drilling system with DRU160*** Drill rig

10992077	El. Drill motor DME20PW***
10987400	Drill rig DRU160***
976014	Vakuum set
984035	Vakuum pump CV 45 l/min, 0,8 bar EU
975381	Vakuum hose 3 m complete

Accessories

400439	Extension 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"

DRILL MOTORS

DME24MW★★★ | DME24UW★★★

Core drilling up to Ø 250 mm



Especially compact and light



Performance and service indicator, as well as levelling aid



Time saving drill rig mounting via ModulDrill quick change clamping system

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

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

System & Accessories

Technical data

Drill Motor	DME24MW***		DME24UW***	
Voltage/Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	10992081	10992082	10992083	10992084
Drill diameter range	40–250 mm			
Nominal power	2,2 kW			
Nominal current	10 A	20 A	10 A	20 A
Load speed	370/590/990 rpm			
No load speed	710/1130/1900 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	ModulDrill		Universal plate	

Dimensions & Weight

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

System & Accessories

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

10992081	El. Drill motor DME24MW***
10987500	Drill rig DRA250***
977619	Fastening bolt assembly

Core drilling system with DRU250*** (Alu. dowel-vacuum foot)

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

Accessories

400439	Extension 1/2" 100 mm
359475	Extension 1/2" 200 mm
359476	Extension 1/2" 300 mm
889232	Extension 1/2" 400 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"

DRILL MOTORS

DME33MW★★★ | DME33UW★★★

Core drilling up to Ø 450 mm

Large drilling diameter range
up to 450 mmPerformance and service
indicator as well as levelling
aid

Practical carrying handle

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

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

System & Accessories

Technical data

Drill Motor	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 ¼"			
Operation	Rig-based			
Application	Wet			
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•			
Performance indicator	•			
Service indicator	•			
Drill rig attachment	ModulDrill		Universal plate	

Dimensions & Weight

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

System & Accessories

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

10992085	El. Drill motor DME33MW***
10987600	Drill rig DRA400***
964906	ModulDrill-Distance plate Ø +180 mm
977619	Fastening bolt assembly

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

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

Accessories

378198	Extension 1 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

DRS160★★

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.

System & Accessories

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	½ “
Operation	Drill rig operation
Application	Wet
Electronic overload cut-out	
Mechanical overload cut-out	
PRCD protection switch	

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRS160**

10983916	Core drilling system DRS160** / 230V (dowel feet)
10983919	Core drilling system DRS160** / 110V (dowel feet)

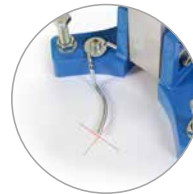
Accessories

974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l

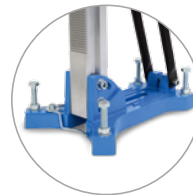
DRILL RIG

DRA150★★

Core drilling up to Ø 152 mm



Integrated centre indicator



Compact dowel foot



Optional vacuum plate

The DRA150** is extremely well-suited for electrical and installation work. This drill rig is suitable for 550 mm drill bits and

angle drilling. A centre indicator, spirit level and carrying handle facilitate handling.

System & Accessories

Technical data

Drill rig DRA150**

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRA150**

10993967	Drill rig DRA150**
10993027	El. drill motor DME22SU**
10993966	Fastening bolt assembly

Accessories

10993961	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m komplett
10993964	Water retention ring complete Ø 152 mm
10993965	Gasket Ø 152 mm
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l

DRILL RIG **DRU160**★★★

Core drilling up to Ø 160 mm



Precision work due to high quality support with sturdy roller guide



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



Efficient drill rig set-up using a standard centre indicator

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

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

System & Accessories

Technical data

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

Design

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

Dimensions & Weight

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

System recommendation

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

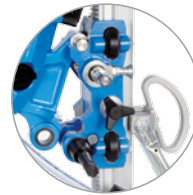
System & Accessories

Accessories	
976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete
977394	Quick grip device 1.7 – 3.1 m
977448	Clamp for quick grip device; 1.7 – 3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
976136	Water retention ring complete Ø 70 mm
976134	Water retention ring complete Ø 130 mm
977437	Water retention ring holder; with centering device
977348	Gasket Ø 70 mm
976128	Gasket Ø 130 mm
974270	Extraction device for core bits
977353	Extraction device for cores
976616	Tool bag
10991465	Water tank 10 l

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 ($i=1:3.5$)



DRU250*** with aluminium dowel-vacuum base



Drilling in the most restricted space with steel dowel foot DRA250***

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

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

System & Accessories



Technical data

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

Design

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

Dimensions & Weight

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

System recommendation

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

Systemvorschlag

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

Accessories

960795	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1.7 – 3.1 m
977448	Clamp for quick grip device; 1.7 – 3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
977464	ModulDrill mounting plate
10988902	Water retention ring complete Ø 200 mm
960785	Water retention ring holder; with centering device
960693	Gasket Ø 200 mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

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 tightened properly. Never force a wheel onto the machine.

Only use machines with suitable blade guards.

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

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



Application

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

Secure the workpiece to prevent accidental slipping.

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

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

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

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

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

If the cutting wheel gets jammed or when interrupting a cut for any reason, turn off the machine and hold the machine motionless until the wheel comes to a complete stop.

Never attempt to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur.

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

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

SAFETY INFORMATION



Use gloves



Use dust mask



Wet grinding



Not permitted for side grinding



Use eye protection



Personal safety



Dry grinding



No freehand work



Use ear protection



Pay attention to the safety recommendations



Do not use damaged wheels

RECOMMENDED RPM

Revolutions per minute [RPM] depending on the external tool diameter [D] and the operating speed [VS]							
D in mm	Recommended operating speed VS in m/s						
	Drilling		Sawing			Dry-cutting	
	2	3	40	50	60	80	100
14	2,730	4,090					
16	2,390	3,580					
20	1,910	2,860					
25	1,530	2,290					
32	1,190	1,790					
42	910	1,360					
52	730	1,100					
62	620	920					
72	530	800					
82	470	700					
100	380	570	7,640	9,550	11,460	15,280	19,100
115	330	500	6,640	8,300	9,960	13,290	16,610
125	310	460	6,110	7,640	9,170	12,220	15,280
150	250	380	5,090	6,370	7,640	10,190	12,730
180	210	320	4,240	5,310	6,370	8,490	10,610
200	190	290	3,820	4,770	5,730	7,640	9,550
230	170	250	3,320	4,150	4,980	6,640	8,300
250	150	230	3,060	3,820	4,580	6,110	7,640
300	130	190	2,550	3,180	3,820	5,090	6,370
350	110	160	2,180	2,730	3,270	4,370	5,460
400	100	140	1,910	2,390	2,860	3,820	4,770
450	80	130	1,700	2,120	2,550	3,400	4,240
500	80	110	1,530	1,910	2,290		
600	60	100	1,270	1,590	1,910		
700	50	80	1,090	1,360	1,640		
800	50	70	950	1,190	1,430		
900	40	60	850	1,060	1,270		
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 maintain a firm grip on the machine.
- The blade is too hard for the material being cut which causes the blade to chatter. Use a softer specification.
- The blade has been undercut. Make sure that there is sufficient water supply and do not cut into the base layer of the pavement (gravel).
- In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.
- The saw has not been mounted correctly and starts to chatter.

Caution! For safety reasons, do not use the saw blade any longer!

6. Cracks in the segment

The saw blade is too hard for the material being cut; the saw blade starts to chatter during cutting. Use a softer specification.

Insufficient cooling supply (overheating). Adjust the water supply and/or check the water lines.

7. Cracks in the steel core

The saw blade is too hard for the material being cut. Use a softer specification.

Excessive cutting pressure. Extreme strain on the blade can create material fatigue, which can then lead to a fracture in the steel core.

The saw blade is chattering. Check the state of the machine (e.g. spindle and bearings) and the mounting of the saw blade.

The cut is not straight which results in friction and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

Caution! For safety reasons, do not use the saw blade any longer!

8. Uneven segment wear

Make sure that wet-cutting saws have a sufficient water supply. Check the water lines and make sure flow is adequate on both sides of blade.

The saw blade is irregularly worn due to defective bearings, a damaged blade bore or machine spindle. Exchange or repair the bearings and/or spindle. Ensure the engine runs smoothly and does not cause the blade to chatter on a regular cycle basis.

The cut is not straight which results in friction and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

9. Loss of tension

Blade has been overheated. Make sure that wet-cutting saws have sufficient water cooling.

The saw blade is too hard for this application. The reason for the loss of tension is a high lateral friction.

Check if the correct RPM has been chosen and if the proper flanges are being used.

Ensure that the saw blade has been fixed correctly on the spindle. Make sure that drive pins are used for all machines.

The cut is not straight which results in tension and heat. Properly align the machine and do not exert excessive side pressure on the handles as a method of steering. Check the alignment of the drive shaft.

In case of loss of tension send the saw blade back to the manufacturer for repair.

10. Damaged bore

The flanges or the spindle are worn out. Check the flanges and spindle for wearing and replace the worn parts.

The saw blade has not been mounted properly. Ensure that the blade is mounted on the proper diameter of spindle. Fix the wheel flanges properly (with a wrench, not by hand). Do not remove the drive pins, because they guarantee an optimal transmission of power.

Send the saw blade back to the manufacturer for repair.

Working together successfully

We regard our customers as partners. The success of our customers lies in the quality of our products, our knowledge in application technology and the provision of customer-specific on-site solutions. Close collaboration with our customers leads to remarkable strategic developments and ensures long-term success for both parties.

Promotion as a key factor

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

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



Beach-Flag



Roll-up



Poster



Leaflets



Sample packs



Floor Display

Dealer pack

Desk Display

Merchandise



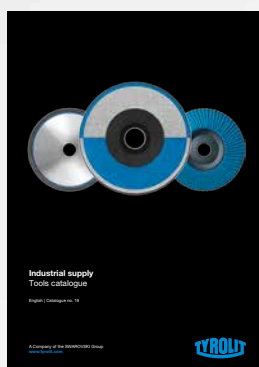
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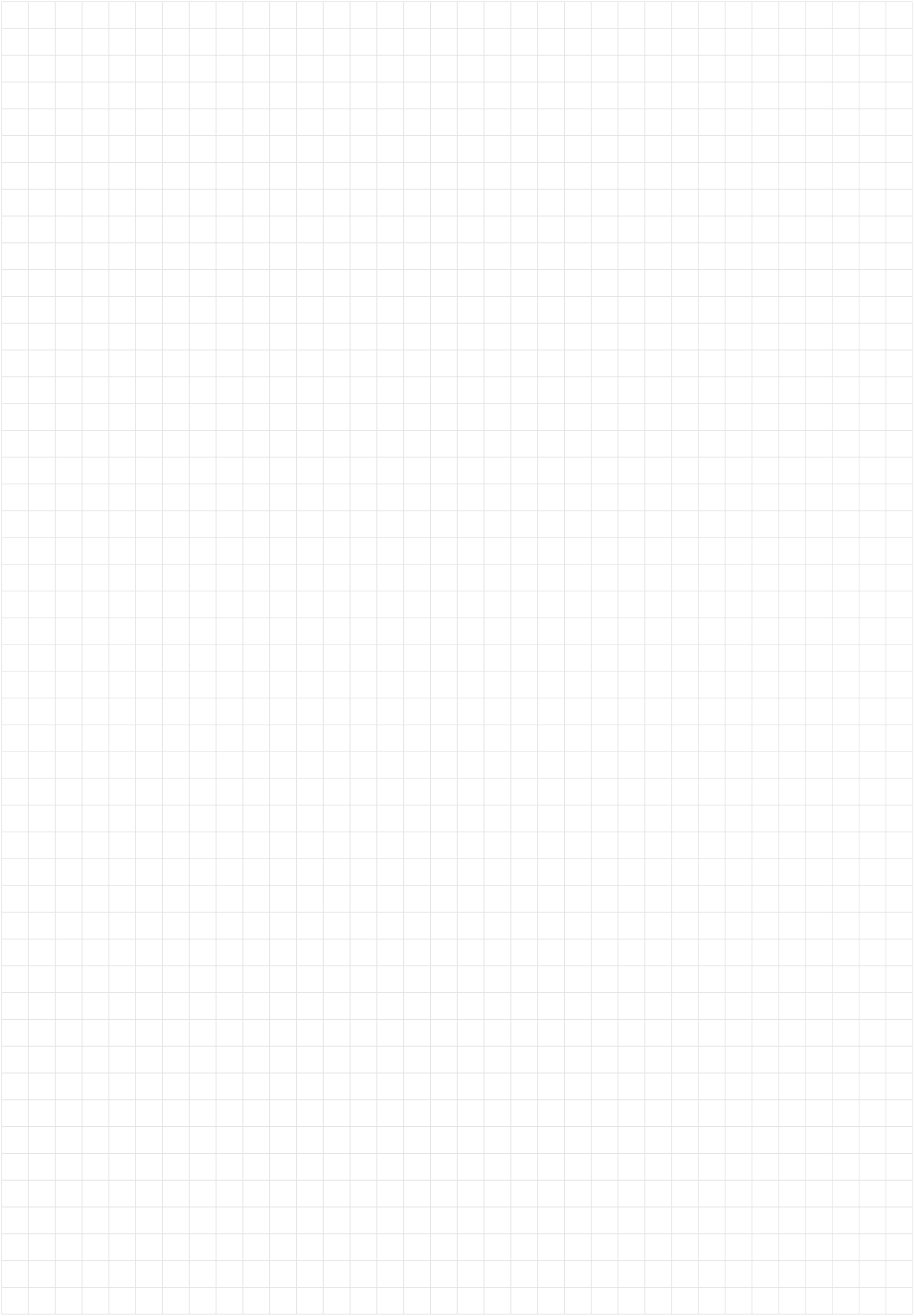
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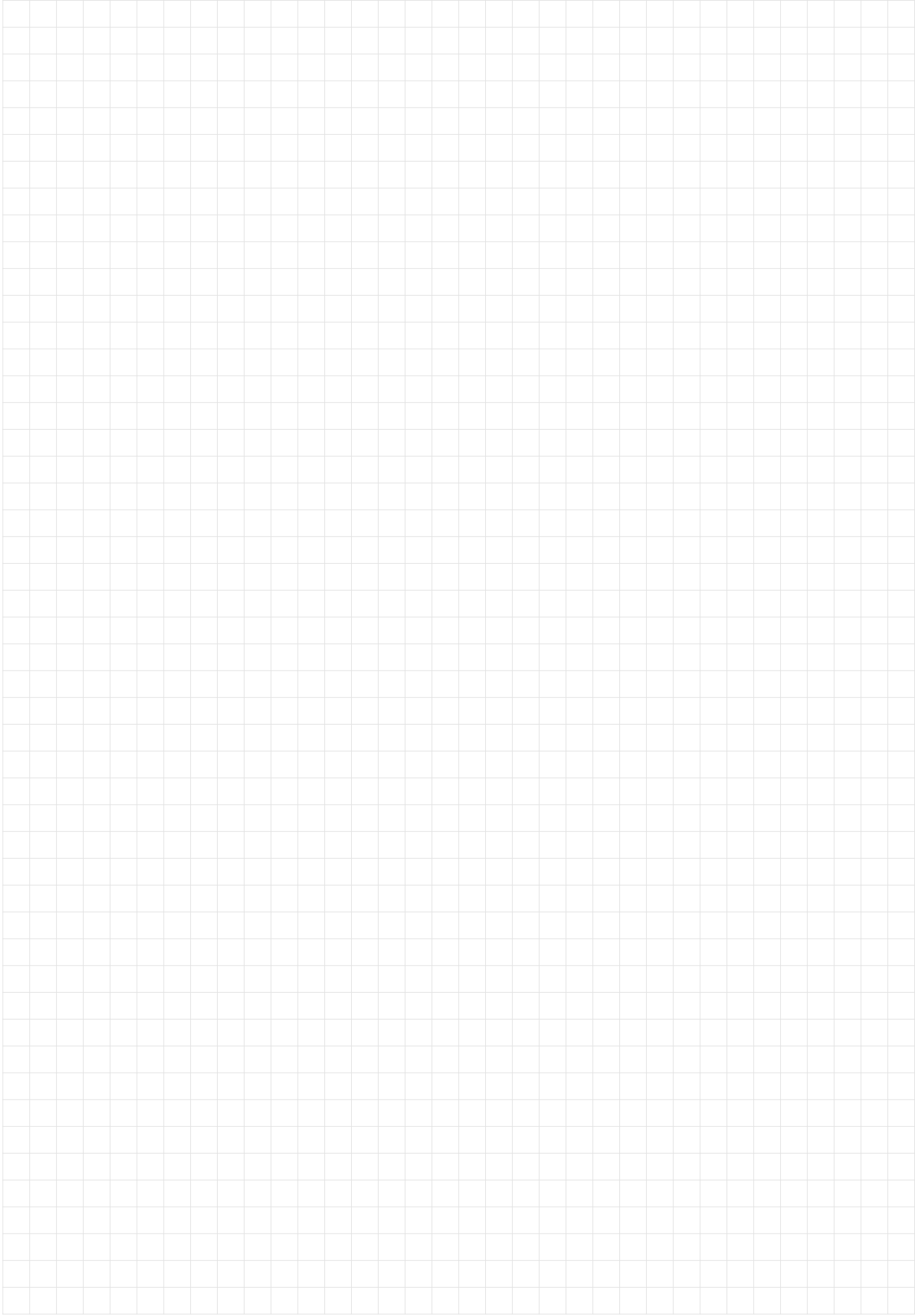
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