

EN



Diamond tools and machines

Product catalogue

English | 2020-21

Premium grinding tools since 1919
www.tyrolit.com

TYROLIT

Diamond tools and machines Product catalogue



The TYROLIT Group

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

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

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



TYROLIT headquarters in Schwaz (Austria)

Facts & Figures



80,000+
products



29
production sites



4,600+
employees worldwide



37
sales locations



500+
worldwide patents

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

Business units

METAL INDUSTRIES



Automotive industry

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



Steel & Foundry

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



Precision industries

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



Industrial trade

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

CONSTRUCTION



Construction industry

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



Trade & Rental

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



Construction professionals

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



Project services

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

QUARTZ INDUSTRIES



Stone industry

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



Ceramic industry

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



Glass industry

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

100 years of advanced thinking

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



Pioneer in the field of cut-off grinding — We created the first fibre-reinforced cut-off discs in Europe and invented the super-thin technology, which is today's global market standard for high quality cut-off discs.



Technology leader in precision grinding — We are one of the world's leading providers of high-precision grinding tools in the automotive, turbine and tooling industry as well as in various other precision industries.



Market leader in the steel industry — We are the most sought-after producer of the world's biggest cut-off wheels with diameters of up to 2,000 mm for cutting hot semi-finished steel products.



Leading solutions for construction professionals — Our innovative system solutions and the patented diamond technology (TGD®) set new standards in performance and comfort for applications in the construction industry.



Diamond tools for grinding of automotive glass — We were the first company to produce diamond tools for grinding automotive glass at 40 m/min and successfully established an industry-changing concept for edge grinding in the market.



Creator of innovative wire sawing technology — We strongly pursued the development of the wire sawing technology for applications in the stone and construction industry which is still the industry reference today.

International production and sales locations

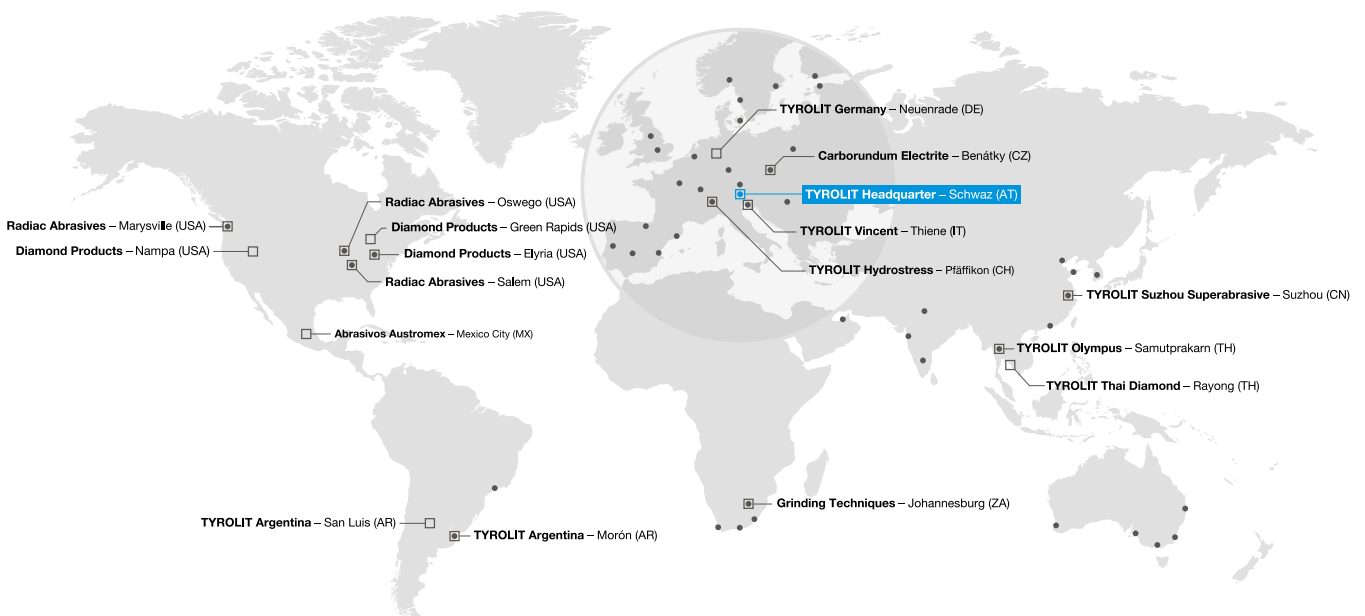
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Suzhou (China)



The European logistics centre in Benátky (Czechia)



□ TYROLIT production sites
sites are only named once

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

Quality lines

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

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

★★★
PREMIUM

★★
STANDARD

★
BASIC

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

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

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

Specific information

Diamond tools

Product label

NEW



Colour codes



Label

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

Colour code



Material

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

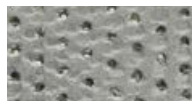
Convincing, technologies



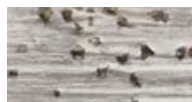
TYROLIT diamond tools with TGD® technology feature intelligently distributed diamonds that enable even load distribution, optimised cooling and a constantly high cutting performance. This significantly extends the tool lifetime and the load on the machines is reduced.

Your advantages:

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



TGD® Segment



Conventional segment



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

Your advantages:

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



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

Your advantages:

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



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

Your advantages:

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



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





Core drilling

Information
Wet drill bits
Dry drill bits

Tile drills
Core drill systems

Wall sawing

Information
Wall saw blades

Machines

Wire sawing

Information
Diamond saw wires

Accessories
Machines

Floor sawing

Information
Floor saw blades

Machines

Drives

Machines

Free hand

Information
Dry cutting saw blades
Diamond cup wheels

Hand- and ring saw blades
Machines

Table sawing

Information
Table saw blades

Machines

Other

Filter presses
Pressing and crushing

Notes





Core drilling

Wet drilling	15
Information	16
Diamond wet drill bits	20
Accessories	31
Dry drilling	33
Information	34
Diamond dry drill bits	36
Accessories	41
Tile drilling	43
Tile drills	44
Tile drill sets	46
Core drill systems	49
Selecting guide for core drill systems	50
Machines	54



Diamond wet drill bits





Drill bits for wet drilling

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

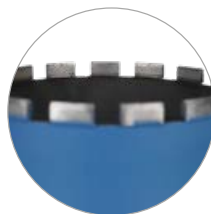
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

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

bits are designed to work perfectly with TYROLIT Hydrostress machines.

TGD®-Technology

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



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

Speeds

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

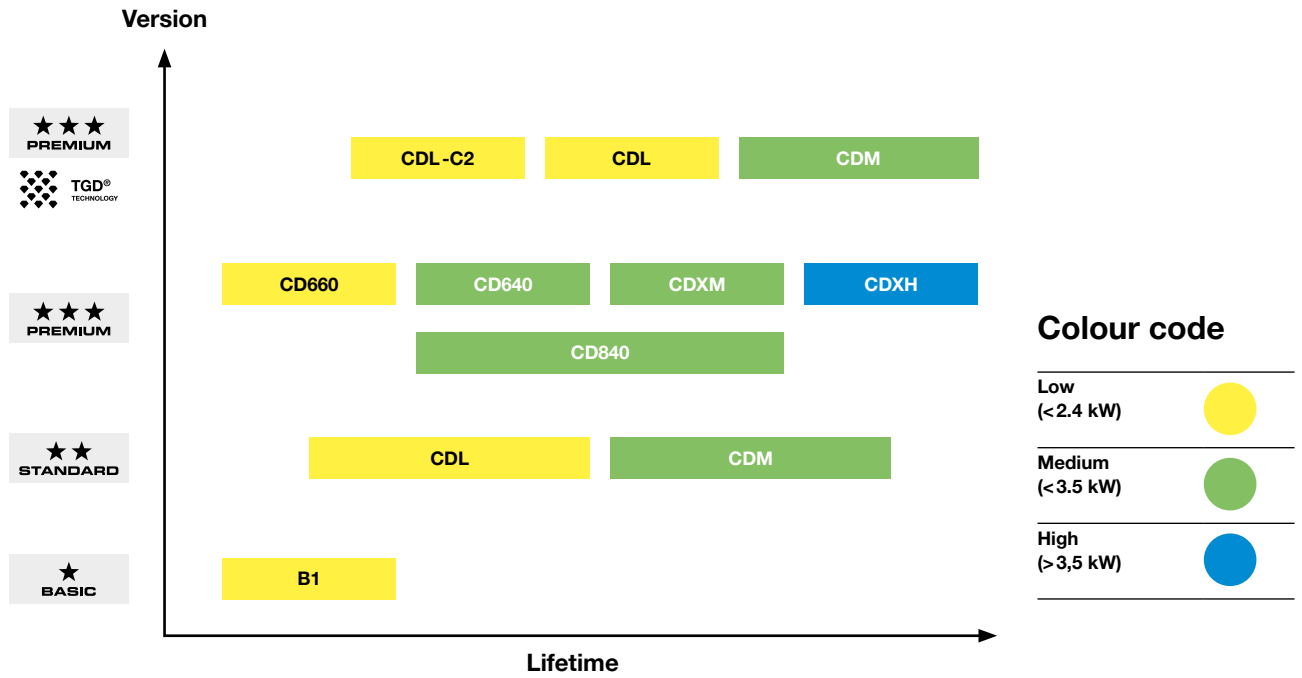
Service

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

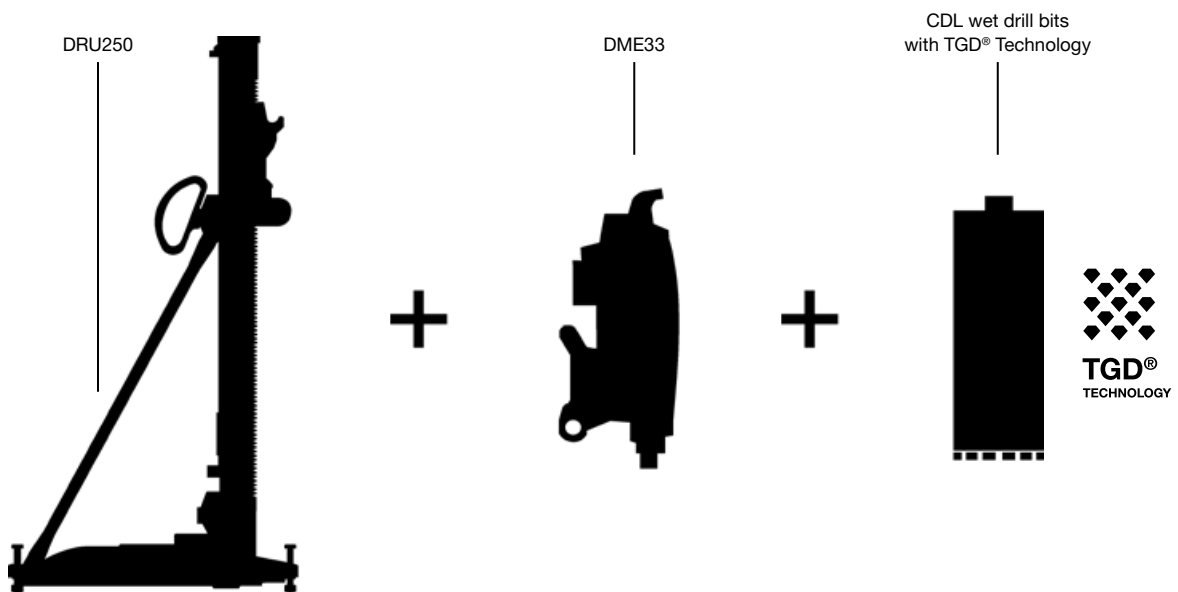
Information / Recommendations

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

Product life TYROLIT wet drill bits



TYROLIT Application recommendation Wet drilling



Application recommendation

TYROLIT wet drill bits

Material properties

Performance Level	Specification	Aggregates				Abrasiveness			Reinforcement		
		soft	medium	hard	very hard	low	medium	high	low	medium	high
★★★ PREMIUM	CDL-C2	●	⦿	○		⦿	●	⦿	●	●	⦿
	CDL	●	●	⦿	○	⦿	●	●	●	●	⦿
	CDM	⦿	●	●	⦿	○	●	●	⦿	●	●
	CDXH	○	⦿	●	●		○	●	⦿	●	●
	CDXM	⦿	●	●	●	○	⦿	●	⦿	●	●
	CD640	⦿	●	●	●	○	⦿	●	⦿	●	●
	CD660	●	●	⦿	○	⦿	●	⦿	●	⦿	
	CD840	●	●	⦿	○	○	●	●	●	●	⦿
★★ STANDARD	CDL	⦿	⦿	○		○	⦿	⦿	⦿	○	
	CDM	○	⦿	●	●		○	●	⦿	●	●
★ BASIC	B1	●	⦿	⦿		⦿	⦿	○	⦿	○	
		Limestone Granite	Quartz Granite	Rhine gravel Danube gravel	Flint						

Machine power

Performance Level	Specification	Machine power			Speed		
		-2.4 kW	-3.5 kW	>3.5 kW	low	medium	high
★★★ PREMIUM	CDL-C2	●	⦿			⦿	●
	CDL	●	●	○	○	●	●
	CDM	○	●	●	●	●	⦿
	CDXH	○	⦿	●	⦿	●	○
	CDXM	⦿	●	⦿	○	●	⦿
	CD640	⦿	●	⦿	○	●	⦿
	CD660	●	⦿			⦿	●
	CD840	⦿	●	●	⦿	●	●
★★ STANDARD	CDL	⦿	⦿	○	○	⦿	⦿
	CDM	○	⦿	●	⦿	●	○
★ BASIC	B1	⦿	⦿		○	⦿	⦿

Suitability

Optimal	●
Good	⦿
Acceptable	○
Not suitable	



CDL Wet drill bits

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

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



- + **Very long lifetime.**

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

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


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




CDL Wet drill bits

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



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



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

For core drills with a diameter of 450 mm or more, we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request.




CDL-C2 Wet drill bits

for reinforced concrete | in TGD®-Technology (from Ø 82 mm)



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

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

	Type no.	Dimension	Segment height
	HOHL1		
	34018536	82x500xPIXIE	11,3
	34018538	92x500xPIXIE	11,3
	34018539	102x500xPIXIE	11,3
	34018542	107x500xPIXIE	11,3
	34018543	112x500xPIXIE	11,3
	34018544	122x500xPIXIE	11,3
	34018546	127x500xPIXIE	11,3
	34018547	132x500xPIXIE	11,3
	34018549	138x500xPIXIE	11,3
	34018550	142x500xPIXIE	11,3
	34018551	152x500xPIXIE	11,3
	34018553	162x500xPIXIE	11,3
	34018554	172x500xPIXIE	11,3
	34018555	182x500xPIXIE	11,3
	34018556	186x500xPIXIE	11,3
	34018557	202x500xPIXIE	11,3
	34018559	226x500xPIXIE	11,3
	34018560	250x500xPIXIE	11,3
	34018537	82x450x1¼"	11,3
	34018540	102x450x1¼"	11,3
	34018545	122x450x1¼"	11,3
	34018548	132x450x1¼"	11,3
	34018552	152x450x1¼"	11,3
	34018558	202x450x1¼"	11,3
	34018561	250x450x1¼"	11,3




CDM Wet drill bits

for reinforced concrete | in TGD®-Technology (from Ø 82 mm)



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

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


	Type no.	Dimension	Segment height
	HOHL1D		
	606482	47x450x1¼"	8,5
	606527	52x450x1¼"	8,5
	606530	57x450x1¼"	8,5
	606485	62x450x1¼"	8,5
	606536	67x450x1¼"	8,5
606541	72x450x1¼"	8,5	

● = low

● = medium





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




CDXH Wet drill bits for reinforced concrete



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

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

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




CDXM Wet drill bits for reinforced concrete



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

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


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

● = medium

● = high





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




CD840 Wet drill bits for reinforced concrete



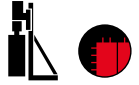
Drill motors over 3 kW | soft to medium-hard concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

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

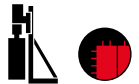
● = medium



**CD840 Wet drill bits**
for reinforced concrete

HOHL1D

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

**CD640 Wet drill bits**
for reinforced concrete

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

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




HOHL1D

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





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




CD660 Wet drill bits for reinforced concrete



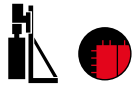
Drill motors up to 2.5 kW | soft concrete aggregate. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

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




CDL Wet drill bits for reinforced concrete



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

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

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




CDM Wet drill bits for reinforced concrete



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

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


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

● = low

● = medium






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



CDM Wet drill bits for reinforced concrete | thin-walled

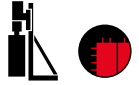


Medium-hard to hard concrete aggregates. Quality tools for everyday use. width from a diameter of 131 mm upwards.
an impressive drilling speed-lifetime ratio. Universal use, lasting quality.
2.0 mm segment width up to a diameter of 121 mm and 2.5 mm segment

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




B1 Wet drill bits for reinforced concrete



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


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

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

Accessories wet drill bits

Adapter




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

Accessories wet drill bits

Sharpening plates




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

Accessories wet drill bits

Carrying handle

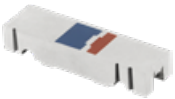


	Type no.	Connection
	34277925	½" / 1¼"

Accessories wet drill bits

Brazing magnets




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

Accessories wet drill bits

Extensions




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

Accessories wet drill bits

Water liners



		Type number	Connection	Tool connection
	WSPB	478074	SW12	R½"

Diamond dry drill bits





Drill bits for dry drilling

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

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

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

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

Selecting the right dry drill bit

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

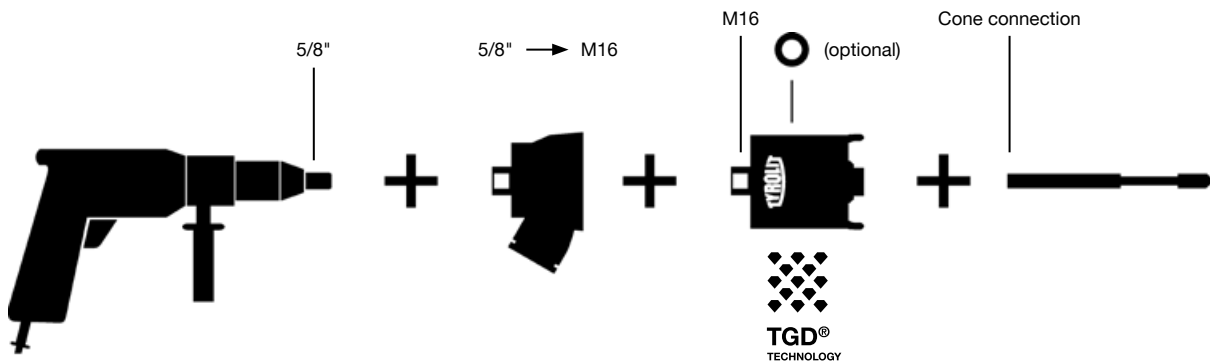
Service

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

Information / Recommendations

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

Dry drilling with compact universal dust extraction system



Dry drilling in reinforced concrete

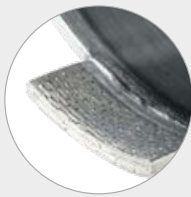
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The TYROLIT dry drilling system is the first commercial system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

One of a kind

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

TYROLIT dry drill bits in TGD® Technology

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



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



Drill motor DME19DP

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



System & Accessories

System & Accessories

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

Accessories

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

Accessories

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



DDL-RM Dry drill bits

for reinforced concrete | in TGD®-Technology

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



- + **Very long lifetime.**


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

for rig-guided dry drilling applications in reinforced concrete.



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



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

*reinforced concrete is conditionally recommended




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



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

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

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




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



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

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

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




DDE Dry drill bits

for universal building materials | in TGD®-Technology



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

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




DDL Dry drill bits

for universal building materials



Quality tool for daily use, impressive performance and lifetime.


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



DDL Dry drill bits for universal building materials





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

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

Dry drill bits accessories Compact universal dust extraction system










Dust extraction adapter compatible for dry drill bits with M16 connection

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

Dry drill bits accessories Connections for all common machines



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

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


Dry drill bits accessories

Centring aids





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

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

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

Dry drill bits accessories



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

Tile drilling





DDT Tile drills

for tiles and ceramic materials

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

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



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

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

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

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

Tile drilling wet



DDT Tile drills
for tiles and ceramic materials



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







Tile drilling dry

★★★
PREMIUM

DDT Tile drills with paraffin
for tiles and ceramic materials





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

★★★
PREMIUM

DDT Tile drills
for tiles and ceramic materials




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

Accessories tile drill bits

Adapter M14



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

Tile drill sets

★★★
PREMIUM

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



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

★★★
PREMIUM

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



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

★★★
PREMIUM

DDT Tile drill-Kit HEX for tiles and ceramic materials



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

★★★
PREMIUM

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



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

★★★
PREMIUM

DDT Tile drill-set M14 for tiles and ceramic materials



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

★★★
PREMIUM

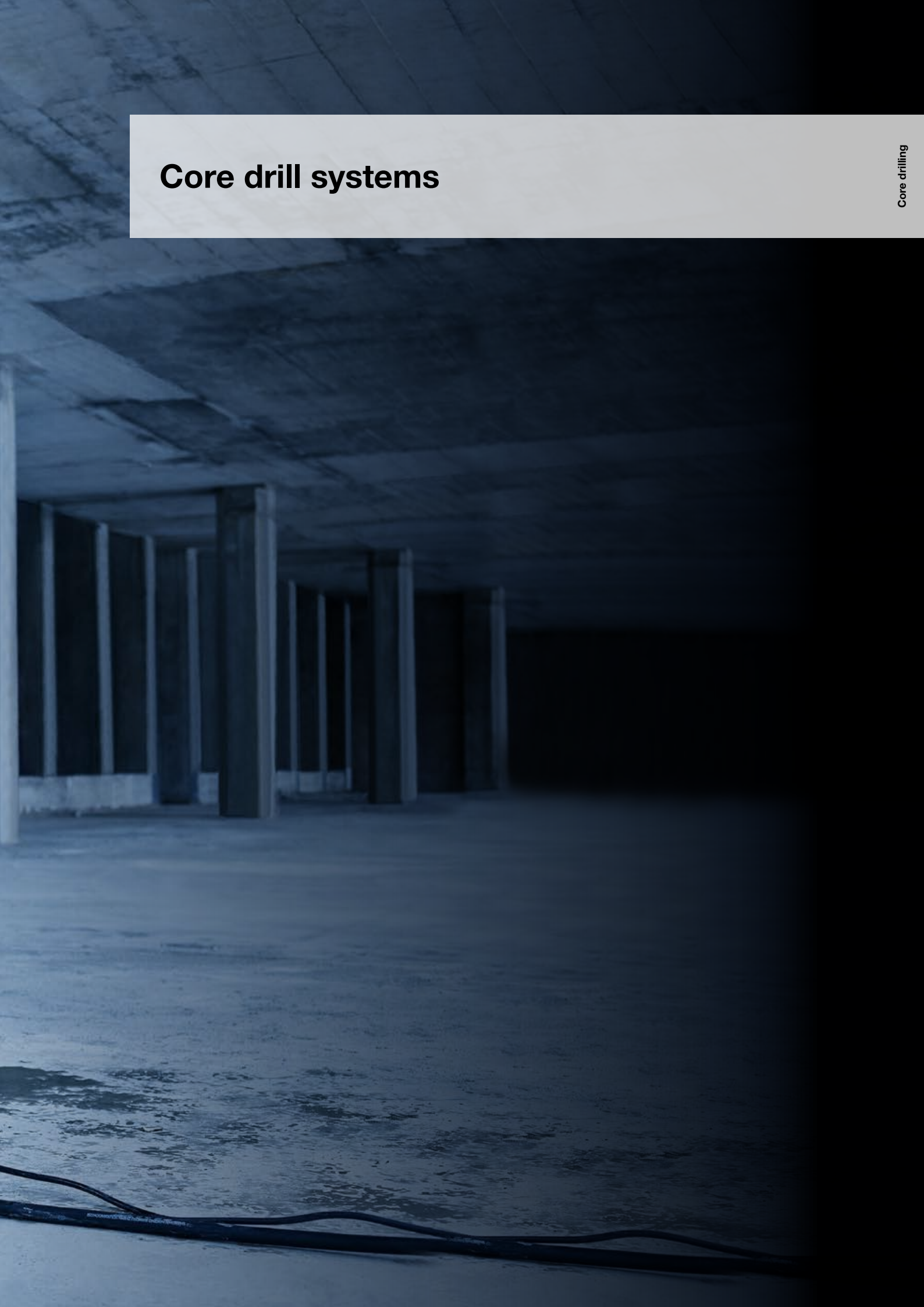
DDT Tile drill-set XL for tiles and ceramic materials

























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



Core drill systems




Selecting guide for core drill systems

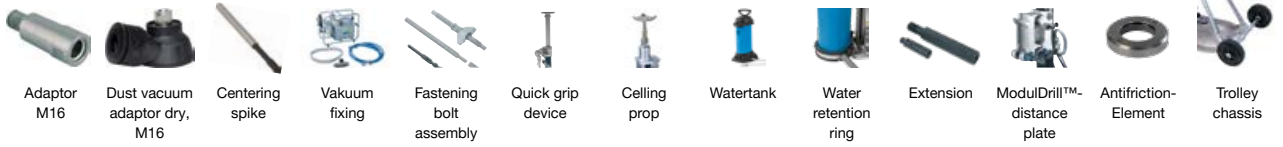
	Power in kW	Application	Drill diameter range in mm	Drill diameter range in mm	Drill rig recommendation
 DME19DP	1,8	 	52	162	 DRU160
 DME22SU	2,2	  	20	180	 DRA150
 DME20PU	2,0	  	15	180	 DRU160
 DME20PW	2,0	 	15	180	 DRU160
 DRS162	2,5		40	160	Integrated
 DRS250	2,5		50	250	Integrated

 wet

 dry

 also handheld















Accessories



●	●	●	●	●						●		
	●	●	●	●			●	●	●			
		●	●	●	●		●	●	●		●	
		●	●	●	●		●	●	●		●	
			●	●			●	●			●	
			●	●	●		●		●		●	●




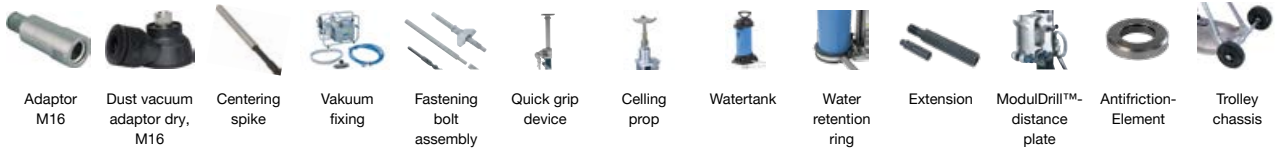


	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DME24MW, DME24UW	2,2		40	250	 DRU250  DRA250
 DME33MW, DME33UW	3,3		50	450	 DRU400  DRA400
 DME52UW	5,2		100	500	 DRA500
 DGB1000			150	1000	 BC-2

 wet

 dry

 also handheld



Adaptor M16

Dust vacuum adaptor dry, M16

Centering spike

Vakuun fixing

Fastening bolt assembly

Quick grip device

Ceiling prop

Watertank

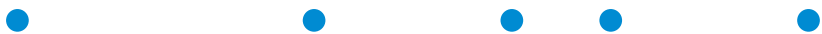
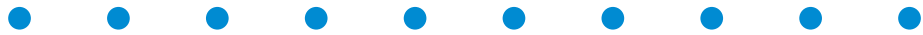
Water retention ring

Extension

ModulDrill™-distance plate

Antifriction-Element

Trolley chassis



★★★
PREMIUM

Drill motor DME19DP

Core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

Accessories

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

System & Accessories

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

Accessories

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

★★
STANDARD

Drill motor DME22SU

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRU160 Drill rig	
10993027	Electric drill motor DME22SU
10987400	Drill rig DRU160
977619	Fastening bolt assembly

Accessories

400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
10983964	Dust vacuum adaptor M16
10983845	Centering spike 140 mm
10986189	Centering spike 233 mm
10986190	Strap wrench

★★★
PREMIUM

Drill motors DME20PW | DME20PU

Core drilling up to Ø 180 mm



Performance and service indicator as well as levelling aid



Compact and ergonomic design



Quick changeover between wet and dry drilling with DME20PU

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

System & Accessories

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

Accessories

400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
707230	Extension ½" 500 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
10996327	Centering spike 250–300 mm
10996328	Centering spike 400–450 mm
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984	Supporting ring alum. 1 ¼"

★★★
PREMIUM

Drill motors DME24MW | DME24UW

Core drilling up to Ø 250 mm



Especially compact and light



Performance and service indicator, as well as levelling aid



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

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

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

System & Accessories

Technical data

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

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	Electric drill motor DME24MW
10987500	Drill rig DRA250
977619	Fastening bolt assembly

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

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

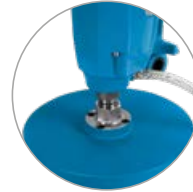
Accessories

400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984	Supporting ring alum. 1 ¼"

★★★
PREMIUM

Drill motors DME33MW | DME33UW

Core drilling up to Ø 450 mm



Large drilling diameter range
up to 450 mm



Performance and service
indicator as well as levelling
aid



Practical carrying handle

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRA400 (Steel dowel foot)

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

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

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

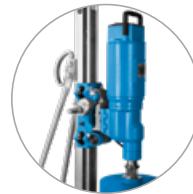
Accessories

378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
969138	Adaptor 1 ¼" external – ½" internal
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
10992646	Easy release element



Drill motor DME52UW

Core drilling up to Ø 500 mm



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



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



Robust plastic-foil keyboard, LED performance indicator and Softstart

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

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

System & Accessories

Technical data

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

Dimensions & weight

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

System & Accessories

Core drilling system DRA500 (steel dowel foot)	
10998818	Drill motor DME52UW
10987700	Drill rig DRA500
977464	ModulDrill mounting plate
964907	ModulDrill distance plate Ø +250 mm
977619	Fastening bolt assembly for concrete

Accessories

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

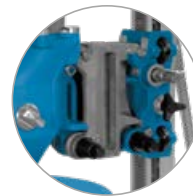


Modular electric drilling gearbox DGB1000

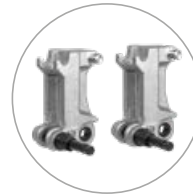
Core drilling up to \varnothing 1 000 mm



Optimised drill bit attachment for large bore drilling



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



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

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

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

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

Technical data

Modular drilling gearbox

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

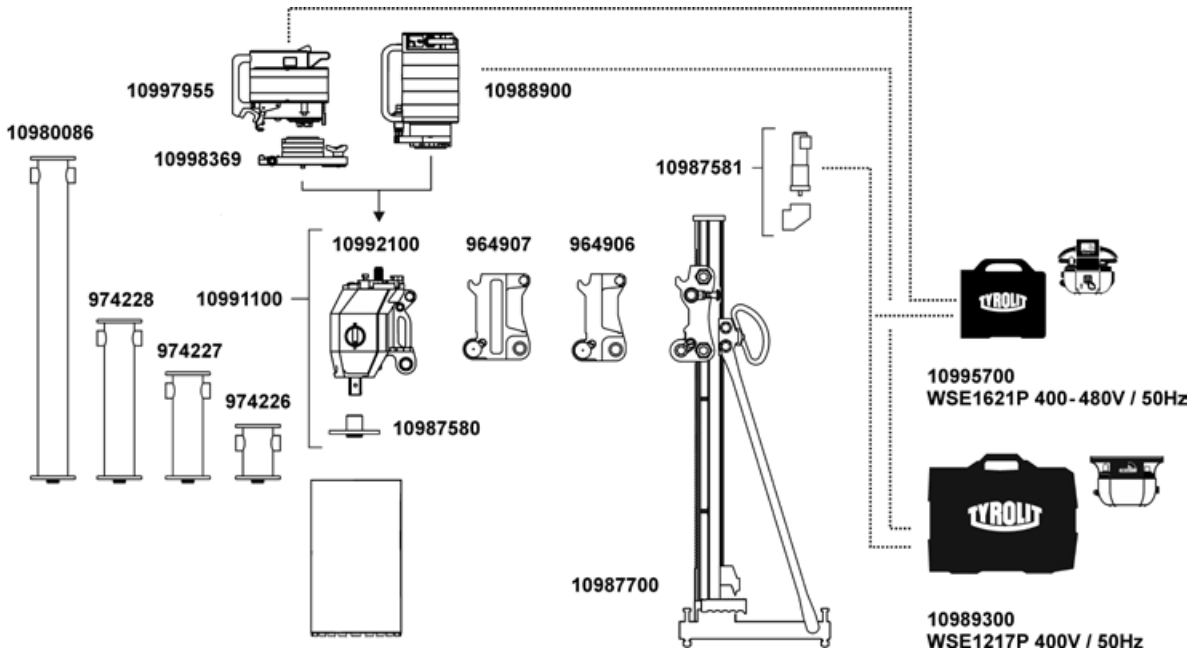
Dimensions & weight

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

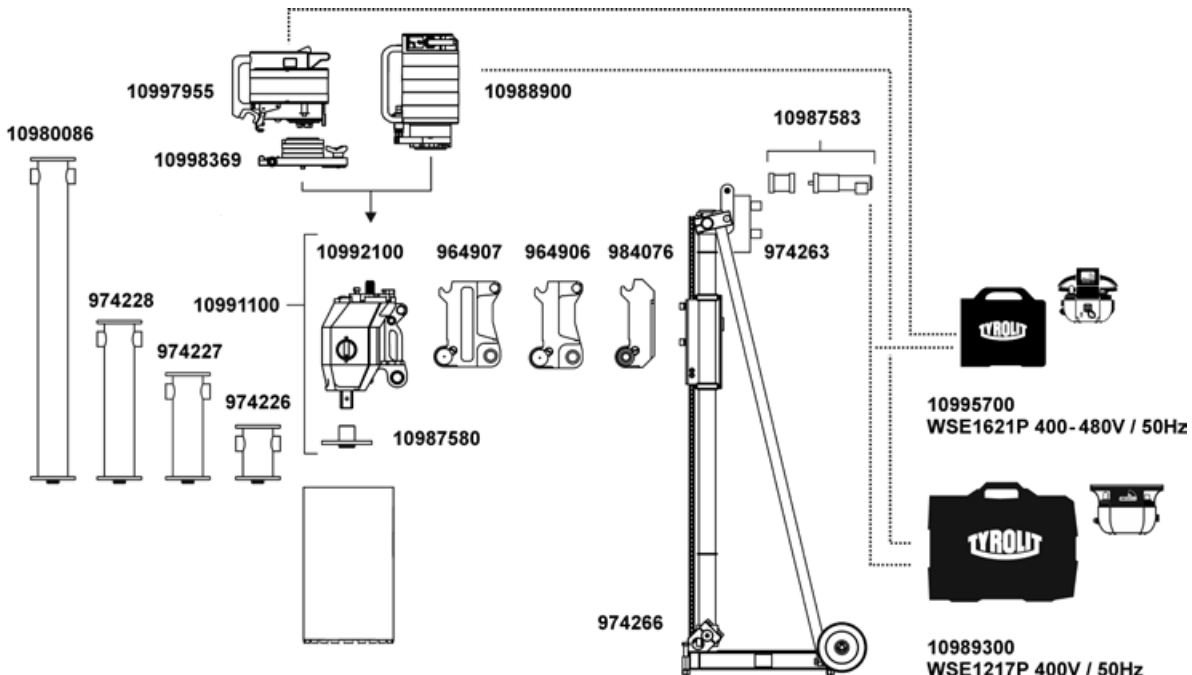
Design

2-stage gearbox
Special large hole flange
ModulDrill™ quick change clamping system

System recommendation



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



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



Modular hydraulic drilling gearbox DGB1000

Core drilling up to Ø 1 000 mm



Optimised drill bit attachment for large bore drilling



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



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

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

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

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

Technical data

Modular drilling gearbox

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

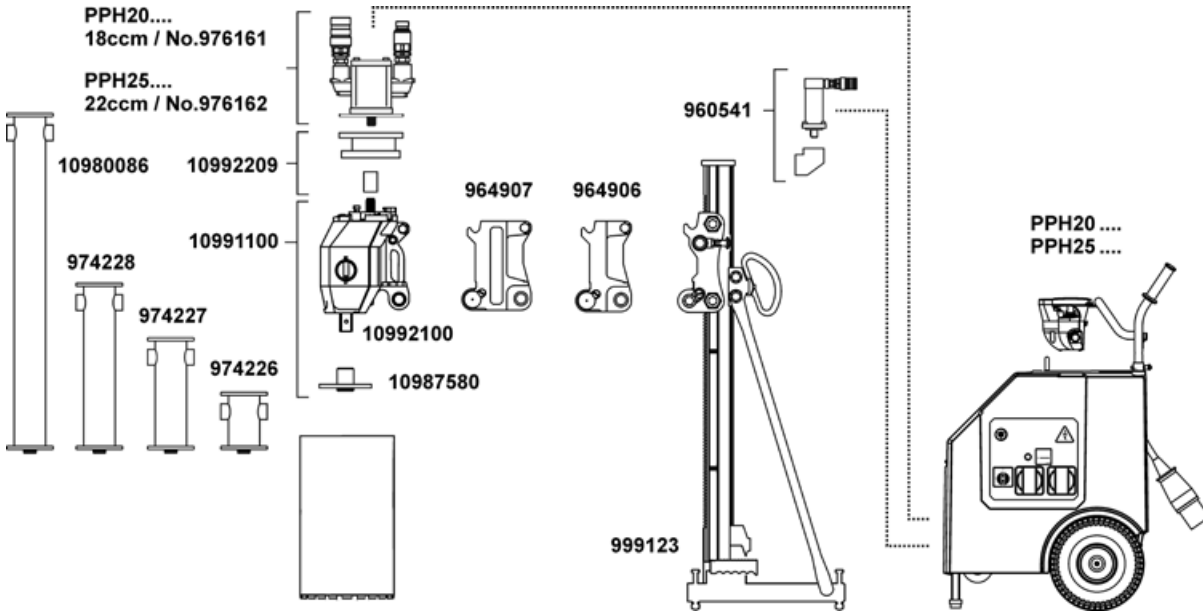
Design

2-stage gearbox
Special large hole flange
ModulDrill™ quick change clamping system

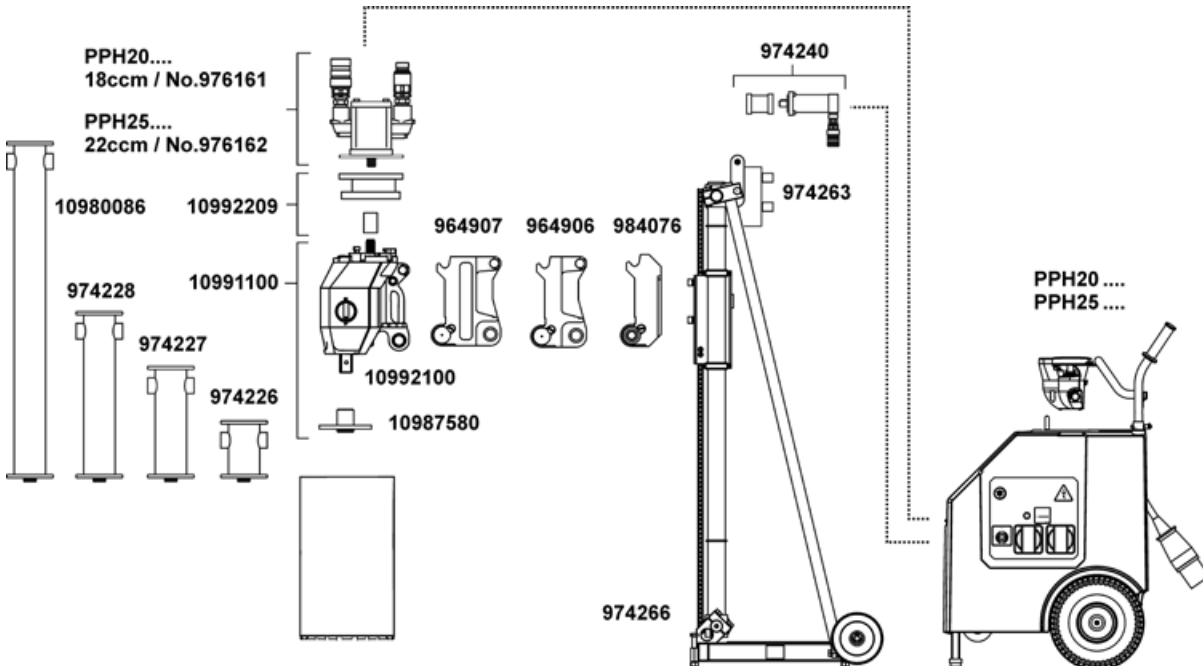
Dimensions & weight

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

System recommendation



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



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

★★
STANDARD

Core drilling system DRS162

Core drilling up to Ø 162 mm



Powerful 2.5 kW Motor



One speed for drilling diameters up to 162 mm



Space-saving attachment facility via dowel foot

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

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

System & Accessories

Technical data

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

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

Design

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

Dimensions & Weight

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

System & Accessories

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

Accessories	
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l
10993961	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose complete 3 m

★ ★
STANDARD

Core drilling system DRS250

Core drilling up to Ø 250 mm



Drilling diameter up to 250 mm with 2-speed gearbox



Powerful 2.5 kW motor



Space-saving fixing option via dowel foot

The DRS250 drilling system combines simplicity with a large drill diameter range. The drill motor and drill rig complement each other and form a single unit. 2-speed oil bath gearbox insures perfect lubrication in all working positions, as well as optimal torque-to-speed ratio. Compact

and lightweight construction guarantees easy handling and user-friendliness. Mechanical overload clutch and integrated PRCD safety switch ensure maximum safety. Optional vacuum plate offers more flexibility in fixing the system.

System & Accessories

Technical data

Drill rig (integrated)	
Bore hole diameter	50 - 250 mm
Max. drill bit length	600 mm

Drill rig (integrated)	
Nominal power	2.5 kW
Nominal current	11.5 A
Nom. voltage / frequency	230 V / 50 - 60 Hz
Load speed	360 / 850 rpm
Cooling	Air cooling
Tool attachment	1 ¼"
Operation	Drill rig operation
Application	Wet
Mechanical overload cut-out	
PRCD protection switch	

Design

Aluminium dowel foot
Feed using hand crank
Adjustable feet (M12)
Carrying handle
Detachable motor

Dimensions & Weight

Length	295 mm
Width	195 mm
Height	1 069 mm
Weight (drilling system)	25.6 kg

System & Accessories

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

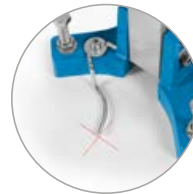
Accessories

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

★★
STANDARD

Drill rig DRA150

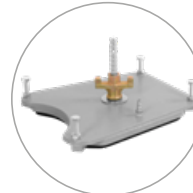
Core drilling up to Ø 152 mm



Integrated centre indicator



Compact dowl foot



Optional vacuum plate

The DRA150 is extremely well-suited for electrical and installation work. This drill rig is suitable for 550 mm drill bits and angle drilling. A centre indicator, spirit level and carrying handle facilitate handling.

System & Accessories

Technical data

Drill rig DRA150	
Drill diameter range	20–152 mm
Max. drill bit length	550 mm

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRA150	
10993967	Drill rig DRA150
10993027	Electric drill motor DME22SU
10993966	Fastening bolt assembly

Accessories

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

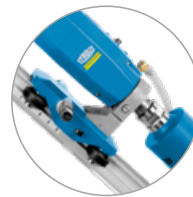
★★★
PREMIUM

Drill rig DRU160

Core drilling up to Ø 160 mm



Precision work due to high quality support with sturdy roller guide



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



Efficient drill rig set-up using a standard centre indicator

The DRU160 is the lightweight among drill rigs up to Ø 160 mm.

The standardised clamping collar system enables quick mounting of common drill motors. In addition, a centre indicator, angle indicator and

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

System & Accessories

Technical data

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

Design

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

Dimensions & Weight

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

System recommendation

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

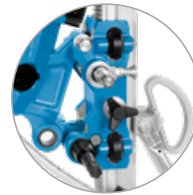
System & Accessories

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

★★★
PREMIUM

Drill rigs DRA250 | DRU250

Core drilling up to Ø 250 mm



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



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



DRU250 With aluminium dowel-vacuum base



Drilling in the most restricted space with steel dowel foot DRA250

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

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

System & Accessories



Technical data

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

Design

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

Dimensions & Weight

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

System recommendation

Core drilling system with DRA250 (Steel dowel foot)

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

Accessories DRA250

975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete

961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977619	Fastening bolt assembly (concrete)
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

Core drilling system with DRU250 (Dowel-vacuum foot)

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

Accessories DRU250

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

★★
STANDARD

Drill rig BY

Core drilling up to Ø 300 mm



2-column guide principle
with chain drive



Fixed, ergonomic position of
handwheel



Compact design without
support rods

The BY dual rod drill rig combines a lightweight design with great stability. The accurate guide principle enables inclined drilling at any angle. This particularly compact core drill rig can

be combined with a wide range of electric drilling motors. Thanks to its modular design, the drill rig can also be used for more powerful hydraulic drilling operations.

System & accessories

Technical data

Drill rigs BY

Drilling diameter range	80-300 mm
Max. drill bit length	520 mm

Design

Dual rod guide principle
Chain drive
0°-90° diagonal adjustment

Feed via a handwheel

Ergonomic handwheel position

Steel dowel foot

ModulDrill™ quick clamping system

Optional feed gear 1:3

Optional double support bar

Dimensions & weight

Length	410 mm
Width	230 mm
Height	1,115 mm
Weight (core drilling system)	21 kg

System & accessories

System proposal

974229	Drill rigs BY
977462	Handwheel
984076	MudulDrill™ mounting plate
10992085	Drill motor DME33MWP
974238	Feed gear 1:3 (optional)
975901	Double support bar (optional)

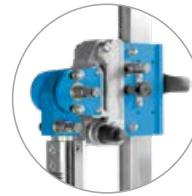
Accessories

977619	Fastening bolt assembly for concrete
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Watertank 10 l

★★★
PREMIUM

Core drilling system DRU350

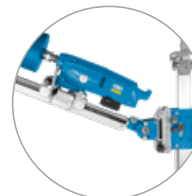
Core drilling up to Ø 350 mm



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



Quick assembly and disassembly thanks to innovative telescope clamping system



Easy diagonal drilling due to intelligent design

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

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

System & Accessories



Technical data

Drill rig DRU350

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRU350

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

Accessories

10984542	1 m column extension
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l



Drill rigs DRA400 | DRU400

Core drilling up to Ø 400 mm



Easily adjustable and interchangeable low wear roller guide



Easy diagonal drilling thanks to angle indicator



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

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

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

System & Accessories



Technical data

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

* with vacuum fixing

Design

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

Dimensions & Weight

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

System recommendation

Core drilling system with DRU400

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

Accessories DRU400

977368	Vacuum plate
984035	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz EU
975372	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz CH

975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry), for vacuum base
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
10988898	Water retention ring complete $\varnothing 250$ mm
977438	Water retention ring holder complete
977447	Gasket $\varnothing 250$ mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

Core drilling system with DRA400

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

Accessories DRA400

975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz EU
975372	Vacuum pump CV 45 l/min, 0.8 bar, 220/50 Hz CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977619	Fastening bolt assembly concrete dowel feet
964906	ModulDrill™ distance plate $\varnothing +180$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
967588	Tool bag
10991465	Water tank 10 l

★ ★ ★
PREMIUM

Core drilling system DRA500 electric

Core drilling up to Ø 500 mm



Drilling column extensions from 230 to 910 mm



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



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

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

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

System & Accessories



Technical data

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRA500	
10998818	Drill motor DME52UW
10987700	Drill rig DRA500
964907	ModulDrill™ distance plate $\varnothing +250$ mm
977619	Fastening bolt assembly

Accessories

977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977619	Fastening bolt assembly
984969	Rig extension 230 mm
984970	Rig extension 460 mm
984971	Rig extension 910 mm
977446	Additional support for rig extension, 910 mm
964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
964378	Tool box
10991465	Water tank 10 l

★★★
PREMIUM

Core drilling system DRA500 hydraulic

Core drilling up to Ø 500 mm



Time saving drill motor mounting via ModulDrill™ quick clamping system



Continuously variable drilling adjustment with powerful hydraulic feed



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

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

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

System & Accessories



Technical data

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRA500	
10987700	Drill rig DRA500
976032	Motor complete B 145 ccm / FD incl. PRV*
974276	Drill spindle 1 ¼" complete incl. key
960630	ModulDrill™ spindle clamp 250 mm
960541	Hydraulic feed unit
977619	Fastening bolt assembly

Accessories

977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977619	Fastening bolt assembly
984969	Rig extension 230 mm
984970	Rig extension 460 mm
984971	Rig extension 910 mm
977446	Additional support for rig extension, 910 mm
964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
974270	Extraction device for core bits
977353	Extraction device for cores
977392	Trolley chassis
964378	Tool box
10991465	Water tank 10 l

Hydraulic drill motors (on drill spindle)

With hydraulic feed

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

With manual feed (with control valve)

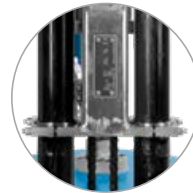
976146	Motor unit B 60 ccm / FD incl. PRV*
976147	Motor unit B 75 ccm / FD incl. PRV*
976148	Motor unit B 100 ccm / FD incl. PRV*
976023	Motor unit B 145 ccm / FD incl. PRV*
976024	Motor unit B 160 ccm / FD incl. PRV*

* PRV = Pressure control valve

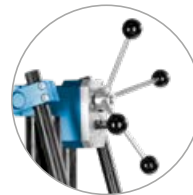


Core drilling system BC-2 electric

Core drilling up to \varnothing 1 000 mm



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



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



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

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

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

System & Accessories



Technical data

Drill rig BC-2

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

Design

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

Dimensions & Weight

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

System & Accessories

964906	ModulDrill™ distance plate $\varnothing +180$ mm
964907	ModulDrill™ distance plate $\varnothing +250$ mm
977464	ModulDrill™ mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
977462	Handwheel complete
974264	Trolley chassis
975746	Tool box
10991465	Water tank 10 l

System suggestion

Core drilling system BC-2

974266	Drill rig BC-2
984076	Fastening plate for ModulDrill™
10991100	Drill gearbox DGB1000
10998369	Drilling and circular wire saw kit WSE1621
10997955	Electric main drive motor WSE1621 400–480 V / 50 Hz
974263	Feed gear 2-speed
10995700	Electric control unit WSE1621 400 V 50 Hz incl. radio remote control
10987583	Feed motor
977619	Fastening bolt assembly



Core drilling system BC-2 hydraulic

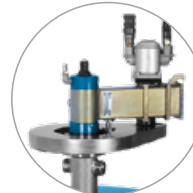
Core drilling up to Ø 1 000 mm



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



Powerful drilling with hydraulic feed



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

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

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

A large selection of drill accessories rounds off the range.

Technical data

Drill rig BC-2

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

Design

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

Feed using hand crank or hydraulic drive

Can be adjusted to any angle

Adjusting feet (micro)

Dimensions & Weight

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

System & Accessories



Gear reduction arm

Gear reduction arm module GR700

974283	Reduction ext. arm 700 mm i=1:11
976163	Motor complete B/S 30 ccm / FD

Gear reduction arm module GR1000

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

Accessories for gear reduction arm

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

Hydraulic motors for gear reduction arm

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

Accessories

977462	Handwheel complete
977619	Fastening bolt assembly
974947	Adaptor BC 1 ¼" A
974270	Extraction device for core bits
977353	Extraction device for cores
974264	Trolley chassis
975746	Tool box
10991465	Water tank 10 l

Hydraulic drill motors (on drill spindle)

With hydraulic feed

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

With manual feed (with control valve)

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

System suggestion

Core drilling system BC-2, hydraulic

974266	Drill rig BC-2
976157	Motor complete B 100 ccm / FD incl. PRV*
974276	Drill spindle 1 ¼" complete incl. key
974210	Extension arm 350 mm
974240	Hydraulic feed kit
974263	Feed gear 2-speed
977619	Fastening bolt assembly

* PRV = Pressure control valve





Wall sawing

Information	96
Wall saw blades	98
Machines	106



Wall saw blades

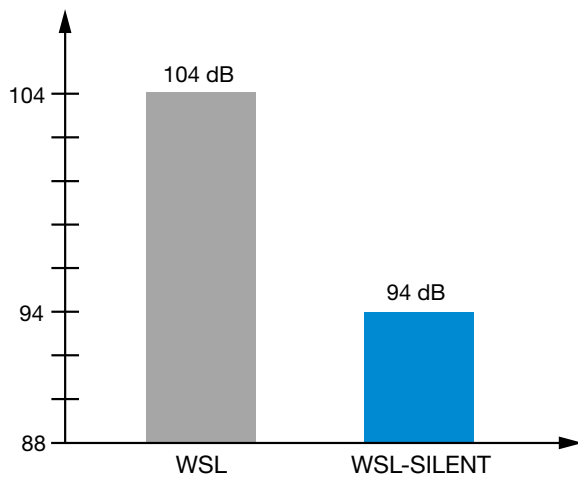
Decades of experience in the production and application of wall saw blades and machines give TYROLIT the edge in the marketplace.

As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use. Particularly suitable

for apertures and openings in walls or ceilings and reinforced or normal concrete with wall thicknesses up to 100 cm.

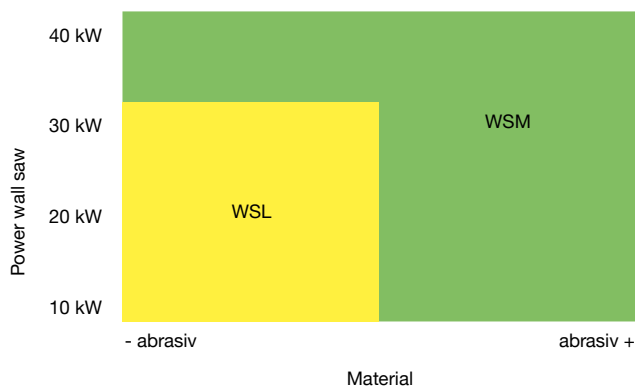
TYROLIT wall saw blades are

designed to work flawlessly with TYROLIT Hydrostress machines. Wall sawing is a vibration-free process that protects the material being cut.

**SILENT version**

Reduction of the noise pressure level by 10 dB – this corresponds to half the noise level that is perceptible to humans.

Choosing the correct wall saw blade



Service

- + One-off dimensions and individual solutions available on request
- + Bores and turning holes for special machines available on request
- + We will be pleased to provide technical support and system solutions for special construction sites

Information / Recommendations

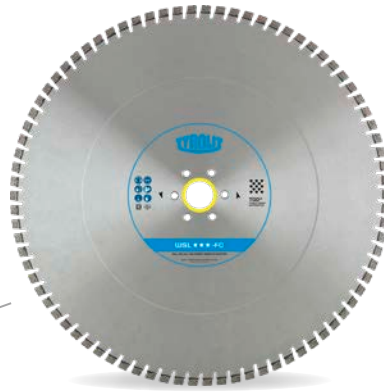
- + Highest levels of performance at peripheral speeds of 35–45 m/s on concrete
- + The correct coolant quantity is also important for optimum cutting performance
- + The machine safety and user instructions must be read and understood before starting work
- + The safety manual will be sent to you on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



WSL-FAST CUT Wall saw blades

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.**

Quality tools for the most demanding applications and maximum economic efficiency.

Laser welded segments for maximum safety.



WSL-FAST CUT Wall saw blades in TGD®-Technology



	Shape	Type number	Dimension	Drive holes	Segment height
		C7W			
		34336798	600x4.9x60	6M199	13
		34318516	600x4.9x60	12M109	13
		34378038	650x4.4x60	6M199	13
		34318517	650x4.9x60	12M109	13
		34336799	650x4.9x60	6M207	13
		34378037	750x4.4x60	6M199	13
		34336800	800x4.4x60	6M207	13
		34336811	800x4.9x60	6M207	13
		34377291	825x3.9x60	6M199	13
		34377152	825x4.4x60	6M199	13
		34251151	825x4.4x60	12M109	13
		34475637	825x4.4x60	12M255	13
		34251153	825x4.9x60	12M109	13
		34475635	825x4.9x60	12M255	13
		34275702	1025x4.4x60	12M109	13
		34475636	1025x4.4x60	12M255	13
		34275703	1025x4.9x60	12M109	13
		34289276	1200x4.4x60	12M109	13

6M199: for TYROLIT wall saw head WSE811 MKII

6M207: for HILTI/HUSQVARNA wall saw heads from 1998

12M109: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

12M112: for all TYROLIT wall saw heads in Scandinavia (except WSE811 MKII)

12M255: Combination for TYROLIT wall saw heads in Central Europe (except WSE811 MKII) 12M109 without cooling drive holes and HILTI/HUSQVARNA wall saw heads 6M207 from 1998

Turning holes for other machines available on request

● = low

● = medium





WSL-FAST CUT-LONGLIFE Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency.

Laser welded segments for maximum safety. Very long-living.

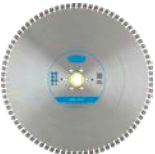

	Shape	Type number	Dimension	Drive holes	Segment height
	 C71W	34336749	600x3.9x60	6M199	13
		34314322	600x4.9x60	12M109	13
		34336695	650x4.9x60	6M207	13
		34318435	650x4.9x60	12M109	13
		34336698	800x4.9x60	6M207	13
		34475692	800x4.9x60	12M255	13
		34251129	825x4.4x60	12M109	13
		34475693	825x4.4x60	12M255	13
		34251130	825x4.9x60	12M109	13
		34318433	925x4.4x60	12M109	13
		34275706	1025x4.4x60	12M109	13
		34475694	1025x4.4x60	12M255	13



WSL Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety.

	Shape	Type number	Dimension	Drive holes	Segment height
	 C71W	34018259	600x3.9x60	6M199	13
		34018258	600x3.9x60	12M109	13
		34018260	600x3.9x60	12M112	13
		34018130	600x4.4x60	12M109	13
		34018276	600x4.4x60	12M112	13
		34018307	600x4.9x60	12M109	13
		34018309	600x4.9x60	12M112	13
		34195250	650x3.9x60	6M199	13
		34195301	650x4.4x60	6M199	13
		34018311	650x4.9x60	12M109	13
		34018263	700x3.9x60	12M109	13
		34018268	750x3.9x60	12M109	13
		34018269	750x3.9x60	6M199	13
		34195304	750x4.4x60	6M199	13
		34018271	800x3.9x60	12M109	13
		34018272	800x3.9x60	12M112	13
		34018279	800x4.4x60	12M109	13
		34018280	800x4.4x60	12M112	13
		34018313	800x4.9x60	12M112	13
		34018274	825x3.9x60	12M109	13
		34208097	825x4.4x60	12M255	13
		34168251	825x4.9x60	12M255	13





WSL Wall saw blades in TGD®-Technology



	Shape	Type number	Dimension	Drive holes	Segment height
		C71W			
		34018292	825x4.4x60	12M109	13
		34018315	825x4.9x60	12M109	13
		34018296	900x4.4x60	12M109	13
		34018297	925x4.4x60	12M109	13
		34018320	925x4.9x60	12M109	13
		34018298	1000x4.4x60	12M112	13
		34018300	1025x4.4x60	12M109	13
		34018321	1025x4.9x60	12M109	13
		34018303	1200x4.4x60	12M109	13
		34018304	1200x4.4x60	12M112	13
		34194331	1200x4.4x60	12M255	13



WSL-SILENT Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety.

	Shape	Type number	Dimension	Drive holes	Segment height
		C71GW			
		34018139	600x3.9x60	12M112	13
		34018134	600x4.4x60	12M109	13
		34018152	600x4.4x60	6M199	13
		34018155	600x4.9x60	12M109	13
		34018159	600x4.9x60	12M112	13
		34195604	650x3.9x60	6M199	13
		34195471	650x4.4x60	6M199	13
		34018506	650x4.9x60	12M109	13
		34018166	700x4.4x60	12M112	13
		34018167	750x3.9x60	6M199	13
		34195605	750x4.4x60	6M199	13
		34018168	800x4.4x60	12M109	13
		34018170	800x4.4x60	12M112	13
		34018173	800x4.9x60	12M109	13
		34018174	800x4.9x60	12M112	13
		34018176	825x4.4x60	12M109	13
		34366463	825x4.4x60	12M255	13
		34444588	825x4.9x60	12M255	13
		34444590	1025x4.4x60	12M255	13

6M199: for TYROLIT wall saw head WSE811 MKII

6M207: for HILTI/HUSQVARNA wall saw heads from 1998

12M109: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

12M112: for all TYROLIT wall saw heads in Scandinavia (except WSE811 MKII)

12M255: Combination for TYROLIT wall saw heads in Central Europe (except WSE811 MKII) 12M109 without cooling drive holes and HILTI/HUSQVARNA wall saw heads 6M207 from 1998



Turning holes for other machines available on request

● = low

● = medium







	Shape	Type number	Dimension	Drive holes	Segment height
	 C71GW	34018239	825x4.9x60	12M109	13
		34018177	1000x4.4x60	12M112	13
		34018240	1025x4.4x60	12M109	13
		34018180	1200x4.4x60	12M109	13
		34018183	1200x4.4x60	12M112	13



WSM Wall saw blades
in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety.



	Shape	Type number	Dimension	Drive holes	Segment height
	 C71W	34018133	600x4.4x60	12M109	13
		34018208	600x4.4x60	12M112	13
		34018209	650x4.4x60	12M109	13
		34018222	650x4.9x60	12M109	13
		34018224	650x4.9x60	12M112	13
		34018226	700x4.4x60	12M109	13
		34018227	700x4.4x60	12M112	13
		34018228	750x4.4x60	12M109	13
		34018229	750x4.4x60	12M112	13
		34018230	800x4.4x60	12M109	13
		34018241	800x4.4x60	12M112	13
		34018242	800x4.9x60	12M109	13
		34018243	800x4.9x60	12M112	13
		34018244	825x4.4x60	12M109	13
		34244861	825x4.4x60	12M255	13
		34018246	825x4.9x60	12M109	13
		34244853	825x4.9x60	12M255	13
		34018249	925x4.4x60	12M109	13
		34018250	1000x4.4x60	12M109	13
		34018251	1000x4.4x60	12M112	13
		34018252	1025x4.4x60	12M109	13
		34244857	1025x4.4x60	12M255	13
		34018248	1025x4.9x60	12M109	13
		34018254	1200x4.4x60	12M109	13
		34018255	1200x4.4x60	12M112	13



WSM-SILENT Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety.



	Shape	Type number	Dimension	Drive holes	Segment height
		C71GW			
		34242048	600x4.4x60		13
		34419194	650x4.9x60		13
		34356569	700x4.4x60		13
		34458090	750x4.4x60	12M109	13
		34242053	800x4.4x60		13
		34475704	825x4.4x60	12M255	13
		34207150	825x4.4x60	12M109	13
		34242054	1000x4.4x60		13
		34475705	1025x4.4x60	12M255	13
34207171	1025x4.4x60	12M109	13		



WSL Wall saw blades in TGD®-Technology



Quality tools for everyday use. An impressive cutting speed-lifetime ratio. Laser welded diamond segments using TGD®-Technology.

	Shape	Type number	Dimension	Drive holes	Segment height
		C7W			
		34359385	600x3.9x60	12M255	13
		34017386	600x3.9x60	12M112	13
		34313605	600x4.4x60	12M255	13
		34017389	600x4.4x60	12M112	13
		34017388	600x4.4x60	12M109	13
		34359386	600x4.9x60	12M255	13
		34017402	600x4.9x60	12M112	13
		34017401	600x4.9x60	12M109	13
		34195305	650x3.9x60	6M199	13
		34195307	650x4.4x60	6M199	13
		34017403	650x4.9x60	12M109	13
		34359389	700x4.4x60	12M255	13
		34017404	750x3.9x60	6M199	13
		34195308	750x4.4x60	6M199	13
		34359391	800x4.4x60	12M255	13
		34017406	800x4.4x60	12M112	13
		34359392	800x4.9x60	12M255	13

6M199: for TYROLIT wall saw head WSE811 MKII

6M207: for HILTI/HUSQVARNA wall saw heads from 1998

12M109: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

12M112: for all TYROLIT wall saw heads in Scandinavia (except WSE811 MKII)



12M255: Combination for TYROLIT wall saw heads in Central Europe (except WSE811 MKII) 12M109 without cooling drive holes and HILTI/HUSQVARNA wall saw heads 6M207 from 1998

Turning holes for other machines available on request

● = low

● = medium





	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34017407	825x3.9x60	12M109	13
		34325781	825x4.4x60	12M255	13
		34017408	825x4.4x60	12M112	13
		102766	825x4.4x60	12M109	13
		34359393	1000x4.4x60	12M255	13
		34017412	1000x4.4x60	12M112	13
		34444641	1025x4.4x60	12M255	13
		34017414	1025x4.4x60	12M112	13
		34017413	1025x4.4x60	12M109	13
		34359394	1200x4.4x60	12M255	13
		34017416	1200x4.4x60	12M112	13
		34017415	1200x4.4x60	12M109	13



WSM Wall saw blades
in TGD®-Technology



Quality tools for everyday use. An impressive cutting speed-lifetime ratio.
Laser welded diamond segments using TGD®-Technology.

	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34017417	600x4.4x60	12M109	13
		34017419	600x4.4x60	12M112	13
		34017421	650x4.9x60	12M109	13
		34017423	750x4.4x60	12M109	13
		34017424	750x4.4x60	12M112	13
		34017426	825x4.4x60	12M109	13
		34017428	825x4.4x60	12M112	13
		34436519	825x4.4x60	12M255	13
		34017430	825x4.9x60	12M109	13
		34475713	825x4.9x60	12M255	14
		34017431	925x4.4x60	12M109	13
		34017432	925x4.9x60	12M109	13
		34017433	1000x4.4x60	12M112	13
		34017434	1025x4.4x60	12M109	13
		34017435	1025x4.4x60	12M112	13
		34475714	1025x4.4x60	12M255	14
		34017436	1025x4.9x60	12M109	13
		34017437	1200x4.4x60	12M109	13
		34017438	1200x4.4x60	12M112	13





WSL-DEEP CUT Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Up to 1 200 mm laser welded segments with TGD®-Technology.

From 1 000 mm new segment geometry for bond strength and higher cutting performance.

	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34392850	600x5.9x60	12M109	13
		34466181	750x6.5x60	12M109	13
		34415642	825x5.9x60	12M255	13
		34379348	825x5.9x60	12M109	13
		34379347	825x6.5x60	12M109	13
		34379349	1025x5.4x60	12M109	13
		34422925	1200x4.9x60	12M255	13
		34362797	1200x4.9x60	12M109	13
		34379350	1200x5.4x60	12M109	13
		C4	34460891	1350x4,4x60	12M255
34419445	1350x4,4x60		12M109	10	
34415649	1400x4,4x60		12M255	10	
34401425	1400x4,4x60		12M109	10	
34399760	1500x4,4x60		6M225	10	
34379300	1500x4,4x60		12M109	10	
34488100	1500x4,4x60		12M255	10	
34488121	1600x4,4x60		12M255	10	
34409249	1600x4,4x60		6M225	10	
34379257	1600x4,4x60		12M109	10	
34497744	1600x5x60		12M255	10	
34450071	1600x5x60		12M109	10	
34450072	1600x5,6x60		12M109	10	
34500371	1600x5,6x60		12M255	10	
34379258	1800x4,4x60		12M109	10	
34379341	2000x4,4x60		12M109	10	
34379342	2200x4,4x60		12M109	10	

6M199: for TYROLIT wall saw head WSE811 MKII

6M207: for HILTI/HUSQVARNA wall saw heads from 1998

12M109: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

12M112: for all TYROLIT wall saw heads in Scandinavia (except WSE811 MKII)

12M255: Combination for TYROLIT wall saw heads in Central Europe (except WSE811 MKII) 12M109 without cooling drive holes and HILTI/HUSQVARNA wall saw heads 6M207 from 1998

Turning holes for other machines available on request

● = low

● = medium



Compatibility overview

Wall saws



10990000
Wall saw
WSE1621



10986600
Wall saw
WSE2226



10984000
Wall saw
DZ-S2



10982000
Wall saw
WZ



999226
Wall saw
FZ-2ST

10997955	Electric main drive WSE1621	● **				
10995700	Electric control unit WSE1621	●				
10986800	Electric main drive WSE2226		●			
10986700	Electric control unit WSE2226		●			
10981719	Transport trolley	●	●			
10984099	Blade guard 800 mm 3 parts All-In-One	●	● **	●	●	●
10984100	Blade guard 1 000 mm 3 parts All-In-One		● **	●	●	●
10999200	Blade guard 1 000 mm	●				
10984101	Blade guard 1 200 mm 3 parts All-In-One	●	● **	●	●	●
977606	Blade guard 1 600 mm 2 parts	●	●		●	●
976184	Blade guard 2 200 mm 2 parts		●			
10989200	Blade guard 1 200 mm All-In-One CL		●			
10982079	VAS G Track 1 100 mm Alu	●	●	●	●	● *
10982105	VAS G Track 1 650 mm Alu	●	●	●	●	● *
10982106	VAS G Track 1 925 mm Alu	●	●	●	●	● *
10981818	VAS G Track 2 200 mm Alu	●	●	●	●	● *
974398	V-Track VS 700 mm Steel	●	●	●	●	●
974400	V-Track VS 1 100 mm Steel	●	●	●	●	●
974402	V-Track VS 1400 mm Steel	●	●	●	●	●
974404	V-Track VS 1 800 mm Steel	●	●	●	●	●
974406	V-Track VS 2 200 mm Steel					

* up to max. 25 kW

** mount with adapter

★★★
PREMIUM

Wall Saw WSE811 MKII

Cutting depths up to 335 mm

NEW

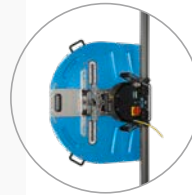


MoveSmart
TECHNOLOGY
powered by ToolSense

Wall sawing



Compact,
fully integrated design



Light and sturdy:
Tracks and blade guard



Handy radio remote control

The WSE811 MKII is the lightest wall saw in its power range in the world. Both installation and disassembly are realized in a glimpse thanks to its integrated design with only one cable and one hose. Combined with the perfected electronic feed control the impressive

power of the ultra-compact P2® motor delivers an unmatched cutting performance within the 16A range! Along with the new dedicated blade guard and sturdy and proven tracks the WSE811 MKII makes the dedicated gear for the vast majority of jobs with plenty of spare power.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	335 mm
Max. saw blade Ø	825 mm
Free detachable up to Ø	700 mm
Blade flange mounting	Central screw
Saw blade fixing (flush cuts)	6 countersunk head screws, 90 mm graduated circle

Electric motor and control unit

Water-cooled high-frequency motor	
Output on 16 A current supply	9 kW
Voltage	400 V
Frequency	50 Hz / 60 Hz

Weight

Wall Saw WSE811 MKII	26 kg
Blade guard WSE811 MKII AIO 825	14 kg
Track EX 1100 mm	6.3 kg
Track EX 2200 mm	12.6 kg
Transport trolley WSE811 MKII	14.5 kg

System & Accessories

Wall saw system WSE811 MKII	
10995000	Wall saw WSE811 MKII
10978640	Track EX 1100 mm
10978879	Track EX 2200 mm
10980156	Rotary rail support EX
10980156	Rotary rail support EX
10980156	Rotary rail support EX
10994800	Blade guard WSE811 MKII AIO 825 mm
10998781	Transport trolley WSE811

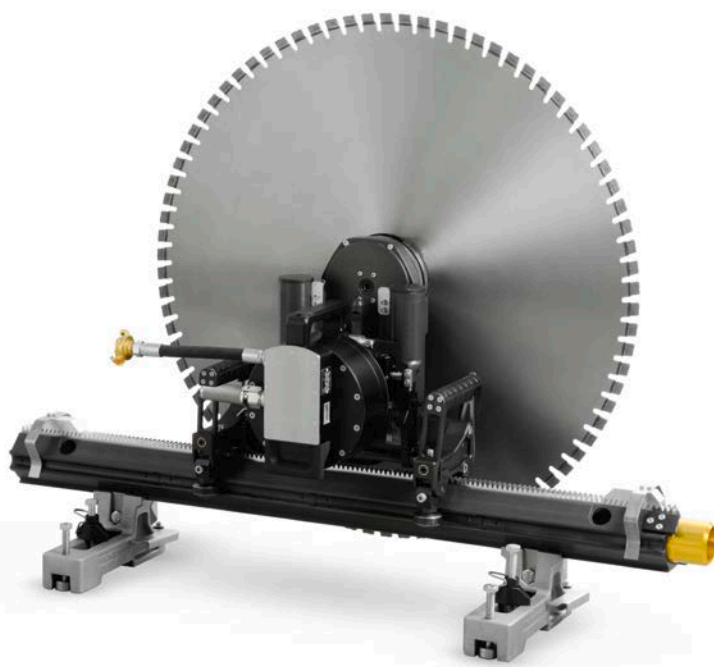
Accessories

10980260	Track connector EX
10983408	Swivel-stairs track foot EX
10980264	Track stop EX

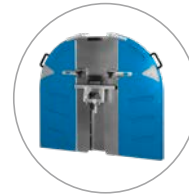
★★★
PREMIUM

Wall saw WSE1621

Cutting depths up to 705 mm



Tool-free motor fastening



Light and sturdy:
Blade guard



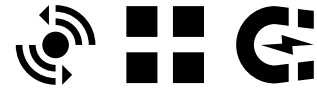
Compact and light control
unit, handy remote control
with display

The WSE1621 was developed for universal usage and the daily use on the construction site. Thanks to the digital features and the compact and light design, this newly developed system is setting new standards in wall sawing. Assembly and disassembly are done

in an instant thanks to the ultralight blade guard and the tool-free motor fastening. The radio remote control comes with a display informing the user about all important details during cutting. The game-changing P2® Technology allows for outstanding reliability

combined with optimized power. Apart from wall sawing, this wall saw's motor and control unit can also be used for wire sawing and drilling.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	705 mm
Max. saw blade Ø	1 600 mm
Free detachable up to Ø	900 mm
Blade flange mounting	Quick-release flange
Saw blade fixing (flush cuts)	6 countersunk head screws, 130 mm graduated circle

Electric motor

Water-cooled high-frequency motor	
Nominal power (32 A)	20 kW
Motor power S1 S1 (32 A)	17 kW
Voltage	400–480 V
Frequency	50 / 60 Hz

Weight

Wall Saw WSE1621	23,5 kg
Electric main drive motor WSE1621	15 kg
Electric control unit WSE1621	16,5 kg
Radio remote control WSE1621	1.8 kg
Blade guard 1 000 mm AIO Linear	21.5 kg
Track VAS G 1 100 mm	9.4 kg
Track VAS G 1 650 mm	15 kg
Track VAS G 1 925 mm	16.2 kg
Track VAS G 2 200 mm	18.4 kg
Transport trolley WSE1621	21 kg

System & Accessories

Wall saw system WSE1621	
10990000	Wall Saw WSE1621
10997955	Electric main drive motor WSE1621 400–480 V / 50 Hz
10995700	Electric control unit WSE1621 400–480 V / 50 Hz incl. radio remote control
10992200	Transport trolley WSE1621
10999200	Blade guard 1 000 mm AIO Linear
10982079	VAS G Track 1 100 mm alu
10981818	VAS G Track 2 200 mm alu
977523	Track connector for VAS- and VS-tracks
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
10980346	Tool box

Accessories

10992800	Blade guard 800 mm AIO Linear
10999400	Blade guard 1 200 mm AIO Linear
977606	Blade guard 1 600 mm 2 pcs.
10998282	Blade guard uptake 1 600 mm
10998500	Blade guard uptake AIO Ø800
11000361	Blade guard uptake AIO Ø1 000
10998285	Blade guard uptake AIO Ø1 200
10977882	Blade flange ST cpl.
961983	V-Swivel track feet
10977452	V-Rotary rail support compl.
10981719	Transport trolley small
10999403	Blade flange ST cpl. dry cutting

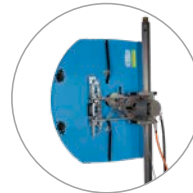
★★★
PREMIUM

Wall saw WSE2226

Cutting depths up to 1 005 mm



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



Extremely light and robust all-in-one blade guard for normal, corner and flush cutting



Cool water bypass for dry cutting

Developed for the toughest and most exacting applications thanks to a cutting depth of up to 1 005 mm, which is unique worldwide, the WSE2226 wall saw is particularly suitable for major cutting tasks. The pioneering P2® drive concept enables

the combination of extreme reliability and optimum performance with low service requirements and reduced service costs. The standard remote control enhances ease of use and safety in the workplace.

System & Accessories



Technical data

Saw blade	
Max. cutting depth	1 005 mm
Max. saw blade Ø	2 200 mm
Free detachable up to Ø	1 025 mm
Blade flange mounting	Quick-release flange
Saw blade fixing (flush cuts)	6 countersunk head screws, 130 mm graduated circle
Electric motor	
Water-cooled high-frequency motor	
Nominal power	26 kW
Motor power	22 kW
Control unit	
Voltage	400 V / 50 Hz
Frequency	50 Hz
Weight	26 kg
Weight	
Wall saw WSE2226 incl. feed motors	26 kg
Electric main drive motor WSE2226	25 kg
Blade guard 1 200 mm AIO CL	22 kg

System & Accessories

Wall saw system WSE2226	
10986600	Wall saw WSE2226 incl. feed motors
10986800	Electric main drive motor WSE2226 400 V / 50 Hz
10986700	Electric control unit WSE2226 400 V / 50 Hz incl. radio remote control
10981719	Transport trolley
10989200	Blade guard 1 200 mm AIO CL
10982079	VAS G Track 1 100 mm alu
10981818	VAS G Track 2 200 mm alu
977523	Track connector for VAS and VS tracks
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
10980346	Tool box
Accessories	
977523	Track connector for VAS and VS tracks
10977882	Blade flange ST compl.
10989200	Blade guard 1 200 mm AIO CL
10992730	Blade guard holder AIO/alu 2 pcs.
10984099	Blade guard 800 mm 3 pcs. AIO
10992724	Uptake AIO800 on WSE2226
10984100	Blade guard 1 000 mm 3 pcs. AIO
10992726	Uptake AIO1000 on WSE2226
10984101	Blade guard 1 200 mm 3 pcs. AIO
10992727	Uptake AIO1200 on WSE2226
977606	Blade guard 1 600 mm 2 pcs.
976184	Blade guard 2 200 mm 2 pcs.
10992734	Uptake 1 600/2 200 2 pcs. on WSE2226
965987	V-Track feet alu, flat
961983	V-Swivel track feet
10977452	V-Rotary rail support compl.

Wall saw DZ-S2

Cutting depths up to 510 mm



Robust saw head with standard hydraulic motors



Blade guard for normal and flush cutting



Slide guide with ergonomic locking system and fine adjustment

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

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

System & Accessories

Technical data

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

Design

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

Weight

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

System & Accessories

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

Accessories

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

Hydraulic drive motor accessories – size 2 with horizontal FD couplings

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

Wall saw FZ-4S

Cutting depths up to 1 005 mm

Wall sawing



Main motor with leak-oil connection



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



Sliding systems with ergonomic locking system and fine adjustment

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

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

System & Accessories

Technical data

Saw blade

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

Design

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

Weight

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

System & Accessories

Wall saw system FZ-4S

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

Accessories

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

Hydraulic drive motors – size 3

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

Rail system VAS and VS

Versatile; suitable for wall saws and line drills



VAS

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



VS

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



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



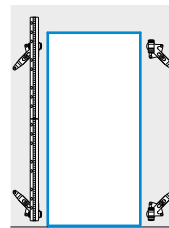
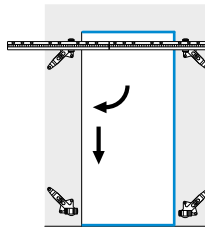
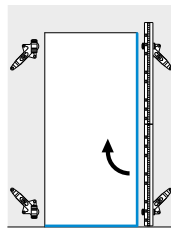
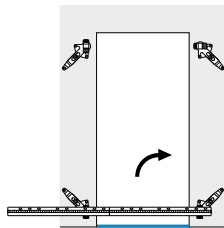
V-swivel rail trestle, 45°–135°



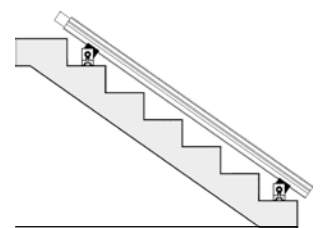
V-rail trestle, aluminium, flat



V-rail trestle, steel



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



With V rotating rail support, simple step sawing

System & Accessories



Technical data

	VAS	VS
Approved power	25 kW	50 kW
Weight at 1 100 mm	9.3 kg	13.8 kg
Material	Aluminium/ steel	Steel
Extendable	•	•
Length	1 100 mm	700 mm
	1 375 mm	1 100 mm
	1 650 mm	1 400 mm
	1 925 mm	1 800 mm
	2 200 mm	2 200 mm

Compatible wall saws

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

Rail trestles

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



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



Rail stopper for safe working

System & Accessories

VAS rail system

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

VAS accessories

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

VS rail system

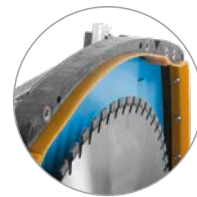
974398	V-Track VS 700 mm steel
974400	V-Track VS 1 100 mm steel
974402	V-Track VS 1 400 mm steel
974404	V-Track VS 1 800 mm steel
974406	V-Track VS 2 200 mm steel

VS accessories

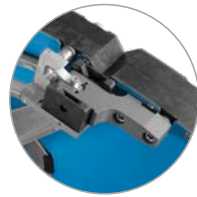
974478	V-Track foot steel DZ/FZ
961983	V-Swivel track feet
10977452	V-rotary rail support complete
977523	Track connector for VAS and VS tracks
10978418	Track stop

Blade guard All-in-one

For normal, corner and flush cutting



For normal and flush cutting



Robust swivel unit

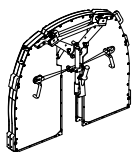


Side pcs. and middle part are connected to a functional clamping device

The all-in-one blade guard for simple handling and a long lifetime thanks to the use of robust materials. Quick

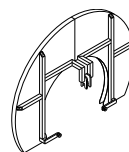
and easy conversion in just a few manual steps.

System & Accessories



Blade guard, all-in-one, 3-pcs.

10984099	Blade guard 800 mm 3-pcs. All-In-One
10984100	Blade guard 1 000 mm 3-pcs. All-In-One
10984101	Blade guard 1 200 mm 3-pcs. All-In-One



Blade guard, 2-pcs.

10977132	Blade guard 1 460 mm 2-pcs.
977606	Blade guard 1 600 mm 2-pcs.
976184	Blade guard 2 200 mm 2-pcs.
977334	Blade guard holder 2-pcs. for bolt





HYDROSTRESS



Wire sawing

Information	124
Diamond saw wires	126
Accessories	128
Machines	132



Diamond wire saw

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

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

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

Application recommendation

Choosing the correct diamond wire

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

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

Service

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

Information / Recommendations

- + Optimum application conditions / wire speed

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

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



DWH-S ATEX Saw wire

Electroplated | for steel

+ **Very fast cutting performance, very long lifetime and noticeable smooth running**
due to special, optimised bead assembly and high bead count.



+ **High level of safety**
due to robust construction.

Wall sawing




DWH-S ATEX Saw wire

Electroplated | for steel



For the most demanding applications and solutions for complex projects. The colour yellow has been chosen for better visibility during underwater use.

The diamond wire is also available in a split version (SL) for certain lengths.

	Type number	Diameter	Beads / m
	34053745	11.0	46




DWH-S | SL Saw wire

Electroplated | for steel



For the most demanding applications and solutions for complex projects. The colour yellow has been chosen for better visibility during underwater use.

	Type number	Diameter	Beads / m
	34380722	11.0	46




DWM-S | SL Saw wire

Electroplated | for steel



For the most demanding applications and solutions for complex projects. The diamond wire is also available in a split version for certain lengths.

	Type number	Diameter	Beads / m
	603261	10.2	46



DWM-C Saw wire
Electroplated | for concrete

For everyday use.
Cost-effective solution for standard applications.



Type number	Diameter	Beads / m
572996	10.2	46
34425148	8.5	46



DWL-CF Saw wire
Sintered | for concrete

For the most demanding applications and solutions for complex projects.



Type number	Diameter	Beads / m
34425149	10.7	40



DWM-C Saw wire
Electroplated | for concrete

For everyday use.
Cost-effective solution for standard applications.



Type number	Diameter	Beads / m
34425078	10	40



DWM-C Saw wire
Electroplated | for concrete

For everyday use.
Cost-effective solution for standard applications.




Type number	Diameter	Beads / m
34410842	10	40

Saw wire accessories




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

	Type number	Diameter
	SPV 117984	80kN-KPL

Saw wire accessories




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

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

Saw wire accessories





Cardanic sleeve and spare bolts for saw wire diameters 10–11.3 mm.

	Type number	Saw wire diameter
	SVG 218909	10–11.3
	SVGB 218914	

Saw wire accessories




Repair sleeve for saw wire diameters 8.5–11.3 mm.

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

Saw wire accessories




Assembly fixture for cardanic sleeve and spare pin.

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

Saw wire accessories



A60S-BFP | 2in1 Cut-off wheel for cutting the wire.

		Type number	Dimension
	41	34332754	125x1,0x22,23

Compatibility overview

Wire saws

Wall sawing



10998000
Wire saw
WCU17



10982500
Circular wire saw
CC25



10994900
Wire saw
SB-E



10990000
Wall saw
WSE1621



10986600
Wall saw
WSE2226

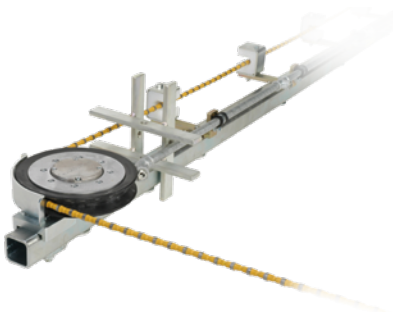


10991100 Modular
drilling gearbox
DGB1000 kpl

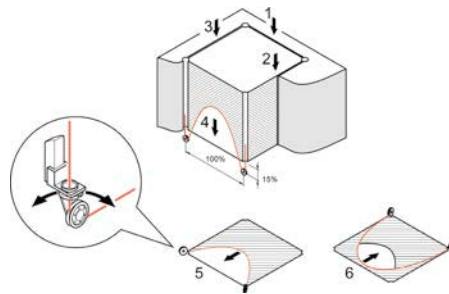
10997955 Electric main drive WSE1621	●	●		●		●
10995700 Electric control unit WSE1621	●	●		●		●
10986800 Electric main drive WSE2226			●		●	
10986700 Electric control unit WSE2226			●		●	
10988900 Electric main drive WSE1217	●	●				●
10989300 Electric control unit WSE1217	●	●				●

Wire saw accessories

Plunge tube



Equipment for cutting a cube out of concrete foundations



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

Diverter rolls for wire guidance



Universal support: Wire can be diverted in any direction



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



Diverter roll: Wire diversion with one adjustable axis



Support roll: Eliminates sagging wire and reduces vibration

Plunge tube

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

Diverter rolls

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

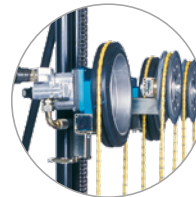
★★
STANDARD

Wire saw SK-SD

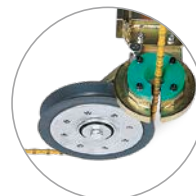
Gross wire length 10.8 m



Quick conversion from drill rig to wire saw



Intelligently designed wire storage



Wire can be placed enclosed in the machine

The classic for faster, safer and simpler working thanks to direct mounting of the wire saw on the cutting surface. The SK-SD wire saw can

be converted into a core drill rig by means of only 2 screws. The intuitive roller arrangement makes wire guidance into child's play.

System & Accessories



Technical data

Wire	
Wire store	7.4 m
Gross wire length	10.8 m
Wire Ø, sintered	11 mm
Wire Ø, galvanic	10 mm

Design

Hydraulic motor GR2
2 drive rolls Ø 280 mm
Diverter rolls Ø 200 mm
Wire fed from wire store hydraulically

Dimensions & Weight

Height	1 340 mm
Width	920 mm
Depth	810 mm
Weight without drill rig	66 kg
Weight with drill rig BC-2	96 kg

System & Accessories

Wire saw system SK-SD	
974266	Drill rig BC-2
977084	Wire saw kit SK-SD excl. BC-2
976655	Motor complete S/S 8+19 ccm / FD
977597	Hydraulic feed kit SK-SD
977592	Protection cover SK-SD
974264	Trolley chassis
975746	Tool box

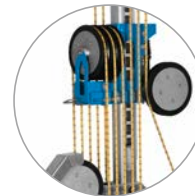
Accessories

977235	Motor complete S/S 8+11 ccm / FD
976655	Motor complete S/S 8+19 ccm / FD
980679	Motor complete S/S 11+22 ccm / FD
980680	Motor complete S/S 11+30 ccm / FD
977597	Hydraulic feed kit SK-SD
10989134	Feed motor incl. PRV
977592	Protection cover SK-SD
977083	Water lance 2.5 m
10988618	Water lance 8 m
964254	Pulley Ø 200 mm
964419	Pulley Ø 200 mm with hole Ø 13 mm
977002	Lining for pulley Ø 200 mm
976998	Drive wheel Ø 280 mm
977529	Swivel pulley Ø 200 mm with holder
977613	Protective sleeve, cpl.

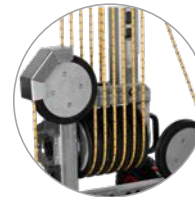
★★★
PREMIUM

Wire saw WCU17

Gross wire length 17 m



Greatly simplified handling of the wire storage



Easy starting thanks to multiple pulley drive



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

The wire saw with the extra large wire storage and long stroke for maximum utilisation and application for a maximum structure size of 12,6 m. Very finely adjustable feed with wire-conserving smooth starting

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

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

System & Accessories



Technical data

Wire	
Wire storage	12,6 m
Overall wire length	17 m
Wire Ø, sintered	11 mm
Wire Ø, galvanised	10 mm

Design

6 drive rolls Ø 200 mm
Diverter rolls Ø 200 mm

Dimensions & Weight wire saw

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

System & Accessories

Wire saw system WCU17 / WSE1621	
10998000	Wire saw WCU17 (incl. wire protection)
11000004	Motor mounting kit WSE1621
10997955	Electric main drive WSE1621 400–480 V / 50 Hz
10995700	Electric control unit WSE1621 400–480 V / 50 Hz incl. radio remote control

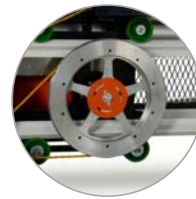
Accessories

11000004	Motor mounting kit WSE1621
10997000	Motor mounting kit WSE1217
10997100	Motor mounting kit hydraulic (max. 25 kW)
11001126	Protective tarpaulin WCU17
10999257	Template WCU17
10999322	Water lance 8 m Geka
973892	Quick-change set for motors size 2
976161	Motor complete B/S 18 ccm / FD
976162	Motor complete B/S 22 ccm / FD
976163	Motor complete B/S 30 ccm / FD
960575	Drive wheel lining Ø 200 mm
10997222	Pulley Ø 200 Standard
977954	Protective sleeve

★★★
PREMIUM

Wire saw WCE18

Gross wire length 19 m



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



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



Clear, user-friendly control panel.

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

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

System & accessories

Technical data

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

Design

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

Electric motor

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

Monitoring

Voltage	380-400 V
Frequency	50 Hz / 60 Hz

Wire saw dimensions & weight

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

Control dimensions & weight

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

System & accessories

Wire saw WCE18	
10999800	Wire saw WCE18

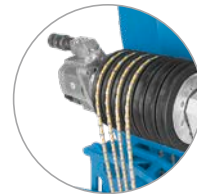
Accessories

11001135	Pneumatic compressor 6 l / 8 bar
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★★★
PREMIUM

Wire saw SB ATEX | SB-E

Gross wire length 15.5 m



Efficient power transmission through multi-pulley drive



Quiet running because of hydraulic wire tensioner



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

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

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

System & Accessories

Technical data

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

Design

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

Dimensions & Weight

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

Electric motor

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

Control unit electric motor

Voltage	400 V
Frequency	50/60 Hz
Weight	26 kg

Feed unit SB-E

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

Dimensions & Weight

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

System & Accessories

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

Wire saw system SB-E

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

Accessories

976166	Motor complete S 31 ccm / FD, incl. leak oil conn.
976167	Motor complete S 40 ccm / FD, incl. leak oil conn.
976168	Motor complete S 50 ccm / FD, incl. leak oil conn.
961902	Pulley Ø 200 mm with hole Ø 13 mm (75 Shore)
961901	Diverter pulley Ø 200 mm
960575	Drive wheel lining Ø 200 mm (75 Shore)
977529	Lining for diverter pulley Ø 200 mm
977083	Water lance 2,5 m
977613	Protective sleeve cpl.
10988618	Water lance 8 m
974066	Leakage oil hose 8 m FIRG
10996200	Motor mounting kit WSE2226 -> SB

★★★
PREMIUM

Circular wire saw CCH25 | CCE25

Circular cuts of \varnothing 500–2 500 mm



Standard hydraulic drive motor



Wire can be easily inserted and tensioned



Flexible water supply

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

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

System & Accessories

Technical data

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

Hydraulic version

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

Electric version

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

Electric motor

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

Control

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

Weight

Electric main drive motor WSE1621	14.3 kg
Electric control unit WSE1621	10.9 kg
Circular wire saw basic machine	122 kg

System & Accessories

Wire saw system CCH25	
967610	Circular wire saw base machine
980759	Feed motor hydraulic 50 ccm
976160	Motor complete B/S 16 ccm / FD
973892	Quick-change set for motors size 2

Wire saw system CCE25

10990500	Circular wire saw CCE25
11000348	Drilling and circular wire saw kit WSE1621 Universal
10997955	Electric main drive motor WSE1621 400–480 V / 50 Hz
10995700	Electric control unit WSE1621 400–480 V / 50 Hz incl. remote control

Accessories

964887	Center tube SL adjustment
978788	Cantilever pipe, short (up to Ø 1.25 m)
978764	Cantilever pipe, long (up to Ø 2.5 m)
978786	Splash protection channel (Ø 2.5 m)
978787	Splash protection channel (Ø 1.25 m)
977083	Water lance 2.5 m
964254	Pulley Ø 200 mm
969413	Drive wheel SL Ø 200 mm
977529	Lining for pulley Ø 200 mm
960575	Drive wheel lining Ø 200 mm (75 Shore)





Floor sawing

Information	144
Floor saw blades	146
For cured concrete	146
For asphalt	150
For green concrete	153
Machines	158










Floor saw blades

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

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

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

Colour indication

	Concrete	Asphalt
Low Power (≤15 kW)		
Medium Power (>15–25 kW)		
High Power		
Extreme high Power		

Application recommendation

Choosing the correct floor saw blade

Performance Level	Type	Machine		Material									
		Shaft-drive		Cured concrete				Green concrete			Asphalt		
		B/D	EL/HYD	Very hard	Hard	Medium	Soft	Very hard	Hard	Medium/Soft	Hard	Medium/Soft	
★★★ PREMIUM	FSA	L	L							○	○	●	
	FSM-A	M/H	M							●	●	●	
	FSH-A	H/X	H							○	●	○	
	FSC	L	L	○	●	●	●						
	FSL-C	L/M	L	○	●	●	●						
	FSM-C	M/H	M	○	●	●	●						
	FSH-C	H/X	H	●	●	●	●						
	FSX-C3	H/X	H/X	●	●	●	●						
	FSL-G3	L	L					●	●	○		○	
	FSL-G4	M	L/M					●	●	○		○	
	FSM-G3	M/H	L/M					●	●	●	○	●	
	FSM-G4	M/H	M/H					●	●	●	○	●	
	FSM-G5	H/X	H/X					●	●	●	●	●	
FSH-G3	H	X					○	●	●	●	●		
★★ STANDARD	FSL-A	L/M	L							○	●	●	

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

* with V-belt drive

Service

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

Information / Recommendations

- + Optimum application conditions / peripheral speed

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



FSX-C3 Floor saw blade

for cured concrete | in TGD®-Technology

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



+ **Very long lifetime.**

Machines from 50 kW / hydr. >75 kW Universal | soft to very hard concrete aggregates. Details: Laser welded up to a diameter of 1 200 mm.

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

Floor sawing



FSX-C3 Floor saw blade

for cured concrete | in TGD®-Technology



	Shape	Type number	Dimension	Driving bore	Segment height
		C37W			
		34349099	450x5x35/25.4	7M174	14
		34190381	500x3.9x25.4		14
		34212475	600x3.9x25.4		14
		34212464	600x3.9x35/25.4	7M174	14
		34190384	650x3.9x25.4		14
		34212490	750x3.9x25.4		14
		34212466	500x4.4x25.4		14
		34212468	600x4.4x25.4		14
		34075027	600x4.4x35/25.4	7M174	14
		34212469	650x4.4x25.4		14
		34071124	650x4.4x35/25.4	7M174	14
		34212481	750x4.4x25.4		14
		34075029	750x4.4x35/25.4	7M174	14
		34376610	800x4.4x25.4		14
34212482	900x4.4x25.4		14		

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle
7M23: Wakra: 6 bores with 7.4 mm diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

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



	Shape	Type number	Dimension	Driving bore	Segment height
		34075041	900x4.4x35/25.4	7M174	14
		34311460	1000x4.4x25.4		14
		34297545	1000x4.4x35/25.4	7M174	14
		34297602	1200x4.4x25.4		14
		34295503	1200x4.4x35/25.4	7M174	14



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



Machines up to 15 kW | soft to very hard aggregates. Details: Laser welded up to a diameter of 1 200 mm. Special segment shape with a protective function to guard against premature steel blade wear in the contact zone – (undercutting-effect).

	Shape	Type number	Dimension	Driving bore	Segment height
		620570	350x3.2x25.4		10
		620571	350x3.9x25.4		10
		612893	450x3.9x25.4		10
		613264	450x4.4x25.4		10
		613271	500x3.9x25.4		10
		613272	600x3.9x25.4		10
		638179	600x3.9x25.4	7M23	10
		648205	600x3.9x60/25.4		10
		613273	600x4.4x25.4		10
		615335	600x5x25.4		10
		103020	650x3.9x25.4		10
		613274	700x3.9x25.4		10
		615338	700x4.4x25.4		10
		613276	800x3.9x25.4		10
		615339	800x4.4x25.4		10
		615340	900x4.4x25.4		10
		615341	1000x4.4x25.4		10
		646183	1200x4.4x35/25.4	7M174	10



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



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

	Shape	Type number	Dimension	Driving bore	Segment height
		620572	350x3.2x25.4		10
		620573	350x3.9x25.4		10
		739750	350x3.9x35/25.4	7M174	10
		615342	450x3.9x25.4		10
		653498	450x3.9x35/25.4	7M174	10





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



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



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



Machines up to 50 kW / hydr. >50 kW Universal | soft to very hard concrete aggregates. Details: Laser welded up to a diameter of 1 200 mm.

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

	Shape	Type number	Dimension	Driving bore	Segment height
		34434020	350x3.9x35/25.4	7M174	10
		34156477	450x3.9x25.4		10
		34291445	450x3.9x35/25.4	7M174	10
		34433996	450x5x35/25.4	7M174	10
		34156478	500x3.9x25.4		10
		34201330	600x3.9x25.4		10
		34239567	600x4.4x25.4		10
		34174307	600x4.4x35/25.4	7M174	10
		34238987	600x5x25.4		10
		34433997	700x4.4x25.4		10
		34210621	700x4.4x35/25.4	7M174	10
		34234940	800x4.4x25.4		10
		34174303	800x4.4x35/25.4	7M174	10



7M174: Cedima/Lissmac: 6 bores with 14 mm diameter on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

7M23: Wakra: 6 bores with 7.4 mm diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

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







	Shape	Type number	Dimension	Driving bore	Segment height
		C77W	34476019	800x5x25.4	10
		34238986	900x4.4x35/25.4	7M174	10
		34235444	1000x4.4x25.4		10
		34321445	1000x4.4x35/25.4 C	7M174	10
		34295499	1200x4.4x35/25.4	7M174	10


FSC Floor saw blade
 for cured concrete



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

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

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



FSL-A Floor saw blade

for asphalt



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

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

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

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





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

Floor sawing



FSL-A Floor saw blade for asphalt



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

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

7M23: Wakra: 6 bores with 7.4 mm diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

● = low ● = medium ● = high



FSM-A Floor saw blade for asphalt



Machines up to 50 kW | hard to very hard aggregates. Details: Laser-welded up to a diameter of 600 mm. With protective segments to guard against premature steel blade wear in

the contact zone – (undercutting-effect). A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.

	Shape	Type number	Dimension	Segment height	
		C3SW	620533	350x3.2x25.4	9
		620536	400x3.2x35/25.4	9	
		620532	450x3.6x25.4	9	
		621191	450x5x25.4	9	
		589737	500x3.6x25.4	9	
		589734	600x3.6x25.4	9	
		620528	600x4.7x25.4	9	
		621192	600x5x25.4	9	
		C3S	620529	700x4.7x35/25.4	9
		620530	800x4.7x35/25.4	9	
		620531	900x4.7x35/25.4	9	



FSH-A Floor saw blade for asphalt



Machines over 50 kW | hard to very hard abrasive aggregates. Details: Laser-welded up to a diameter of 600 mm. With protective segments to guard against premature steel blade wear in

the contact zone – (undercutting-effect). A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore.

	Shape	Type number	Dimension	Segment height		
		C3SW	620559	350x3.2x25.4	9	
		620561	400x3.2x25.4	9		
		620563	450x3.6x25.4	9		
		621193	450x5x25.4	9		
		620564	500x3.6x25.4	9		
		620565	600x4.7x25.4	9		
			C3S	620567	700x4.7x35/25.4	9
			620568	800x4.7x35/25.4	9	
	620569		900x4.7x35/25.4	9		





**FSA Floor saw blade
for asphalt**



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

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

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

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle
 7M23: Wakra: 6 bores with 7.4 mm diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

● = low ● = medium ● = high



FSM-G4 Floor saw blade

for green concrete



+ **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 –(undercutting effect). Very clean
groove edges, cuts extremely quickly.

Floor sawing



FSM-G4 Floor saw blade for green concrete





	Shape	Type number	Dimension	Segment height
		C73SW	300x2.4x25.4	13
		151540	350x2.8x25.4	13



FSL-G4 Floor saw blade for green concrete



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 number	Dimension	Segment height
		C73SW 151571	300x2.4x25.4	13
		34015787	350x2.8x25.4	13



FSL-G3 Floor saw blade for green concrete



Expansion joints / expansion grooves, road construction. Machines up to 15 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 – (undercutting effect). Very clean groove edges, cuts extremely quickly.




	Shape	Type number	Dimension	Driving bore	Segment height
		C73SW 34015785	350x2.8x25.4		13
		34157335	350x2.8x35/25.4	7M174	13
		34015786	400x3.2x35/25.4		13



FSM-G3 Floor saw blade for green concrete



Expansion joints / expansion grooves, road construction. Machines up to 50 kW / hydr. >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 – (undercutting effect). Very clean groove edges, cuts extremely quickly.

	Shape	Type number	Dimension	Driving bore	Segment height
		C73SW 34015788	300x3.9x25.4		13
		34170349	300x3.9x35/25.4	7M174	13
		34015790	350x2.8x25.4		13
		34071635	350x2.8x35/25.4	7M174	13
		34015791	350x3.2x35/25.4	7M174	13
		34015793	350x3.9x35/25.4	7M174	13
		34165029	350x5x35/25.4	7M174	13
	34015794	400x3.2x35/25.4	7M174	13	
	34015797	450x3.6x35/25.4	7M174	13	
		C3SW 34015798	500x3.6x35/25.4	7M174	13
		34015799	600x3.6x35/25.4	7M174	13

7M174: Cedima/Lissmac: 6 bores with 14 mm diameter on 120 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

7M23: Wakra: 6 bores with 7.4 mm diameter on 92 mm pitch circle plus 1 bore 11.5 mm on 57.4 mm pitch circle

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

★★★ PREMIUM **FSM-G5 Floor saw blade**
for green concrete



Expansion joints / expansion grooves, road construction. Machines up to 50 kW / hydr. >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 – (undercutting effect.) Very clean groove edges, cuts extremely quickly.

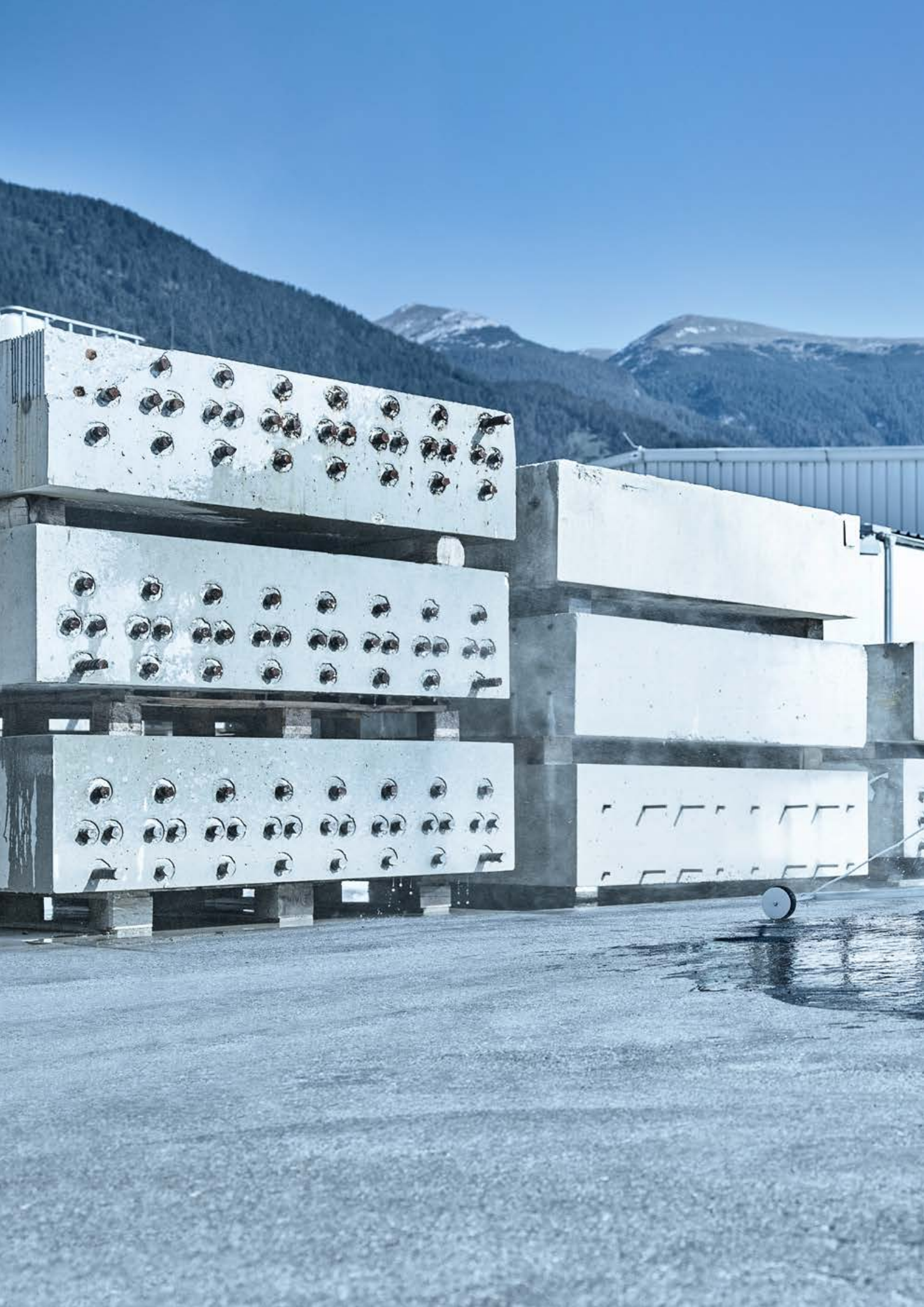
	Shape	Type number	Dimension	Driving bore	Segment height
		C3SW			
		34015813	350x2.8x35/25.4	7M174	13
		34015815	350x3.2x35/25.4	7M174	13
		151353	350x3.9x35/25.4	7M174	13
		34015816	350x5x35/25.4	7M174	13
		151359	400x3.2x35/25.4	7M174	13
		34359295	400x3.9x35/25.4	7M174	13
		151376	450x3.6x35/25.4	7M174	13
	C3SW	34015817	500x3.6x35/25.4	7M174	13
		34015818	600x3.6x35/25.4	7M174	13

★★★ PREMIUM **Floor saw blade**
Chamfer cutter for green concrete



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

	Type number	Dimension	Segment height
	FRSU-5784A 642857	280x10x25.4	3





★★★
PREMIUM

Floor saw FSG513

Cutting depth up to 170 mm



User-friendly cutting depth setting and convenient speed control



Optimised centre of gravity above the shaft



Universal field of application with left and right cutting function

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

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

System & Accessories

Saw blade

Saw blade	
Max. cutting depth	170 mm
Max. saw blade Ø	450 mm
Saw blade speed	2 600 rpm
Saw blade uptake Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

Drive

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

Design

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

Dimensions & Weight

Length	1 136 mm
Width	578 mm
Height	1 016 mm
Weight	113 kg

System & Accessories

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

★★
STANDARD

Floor saw FSG620

Cutting depth up to 230 mm



Exceptionally easy handling due to neatly arranged control panel



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



Blade guard side change in just a few steps

Thanks to its intelligent weight distribution, the FSG620 provides for excellent cutting behaviour and the left- and right-handed cutting function enhances flexibility.

System & Accessories

Saw blade

Saw blade	
Max. cutting depth	230 mm
Max. saw blade Ø	600 mm
Saw blade speed	2 120 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

Drive

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

Design

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

Dimensions & Weight

Length	840 mm
Width	580 mm
Height	1 030 mm
Weight	184 kg

System & Accessories

Floor saw FSG620	
10984041	Floor saw FSG620
Accessories	
10984389	Green concrete kit with 350 mm blade guard and transformation set (3 000 rpm)

★★★
PREMIUM

Floor saw FSE811

Cutting depth up to 320 mm



Transmission guarantees optimum cutting speeds



Left and right cutting



Maintenance free belt drive

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

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

System & Accessories

Saw blade

Saw blade	
Max. cutting depth	320 mm
Max. saw blade Ø	800 mm
Saw blade speed	1 250 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

Drive

Drive / motor	Electric
Output	7.5 kW
Voltage / frequency	400 V / 50 Hz
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

Design

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

Dimensions & Weight

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

System & Accessories

Floor saw FSE811	
10992000	Floor saw FSE811

★★
STANDARD

Floor saw FSD930

Cutting depth up to 350 mm



Easy, controlled work thanks to clear control panel



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



Exact alignment of the machine using cut indicator

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

System & Accessories

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

Floor saw FSD930	
10984042	Floor saw FSD930

Accessories

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

Diesel particle filter and transformation set on request

★★★
PREMIUM

Floor saw FSD1049 3-Speeds

Cutting depth up to 430 mm



Three-speed transmission for optimum blade speeds



Easy handling and work monitoring due to neatly arranged control panel

The FSD1049 features a 3-speed transmission for optimum blade speeds and diamond tool lifetime. The raising/lowering system as well as simple, continuously variable

cutting depth adjustment operate hydraulically. The smallest and most powerful floor saw in this power range.

System & Accessories

Saw blade

Saw blade	
Max. cutting depth	430 mm
Max. saw blade Ø	1 000 mm
No Load saw blade speed	2 700/1 800/1 200 1/min
Saw blade holder	25.4 mm
Carrier	11.5 mm
Reference circle	57.4 mm

Drive

Drive / motor	Diesel
Type	Deutz
Output	36.5 kW / 49 PS
Fuel	Diesel
Fuel tank	34.2 l
Engine cooling	Air
Feed	Hydrostatic
Blade drive	Via V-belt
Feed speed	0–61 m/min

Design

Electro-hydraulic cutting depth adjustment
Cutting depth indicator
Tool cooling using water fork
Left / right cutting function
3 speed gearbox

Dimensions & Weight

Length	1 450 mm
Width	980 mm
Height	1 250 mm
Weight	775 kg

System & Accessories

Floor saw FSD1049	
10986900	Floor Saw FSD1049 3 Speed (1 000 mm guard)

Accessories

10991715	350 mm (14") blade guard
10989833	500 mm (20") blade guard
10985254	650 mm (26") blade guard
10989836	750 mm (30") blade guard
10989838	900 mm (36") blade guard

Diesel particle filter and transformation set on request

★★★
PREMIUM

Floor saw FSE1240

Cutting depth up to 480 mm



Floor sawing



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



Constant control and monitoring possibility thanks to precise displays



Easy handling due to logically arranged control panel

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

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

System & Accessories

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

Floor saw FSE1240	
10984045	Floor saw FSE1240S
<i>Diesel particle filter and transformation set on request</i>	

★★★
PREMIUM

Floor saw FSD1274

Cutting depth up to 480 mm



Maximum power transmission by means of built-in longitudinal engine with angle gear box



Saw blade coupling and neutral position mechanism for increased safety

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

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

System & Accessories

Saw blade

Saw blade	Standard	Maximal
Max. cutting depth	230 mm	480 mm
Max. saw blade Ø	600 mm	1 200 mm
Saw blade speed	1 590 1/min	880 1/min
Saw blade holder Ø	25.4 mm	
Carrier Ø	11.5 mm	
Reference circle Ø	57.4 mm	

Drive

Drive / motor	Diesel
Type	Kubota
Output	55 kW / 74 HP
Fuel	Diesel
Fuel tank	34.2 l
Engine cooling	Water cooling
Feed	Hydraulic
Blade drive	Directly flange-mounted angular gear
Feed speed	0–76 m/min

Design

Electro-hydraulic cutting depth adjustment
Electro-mechanical cutting depth stop
Hydraulic adjustable handles
Blade clutch
Tool cooling using water fork
Left / right cutting function

Dimensions & Weight	Standard	Maximal
Length	1 615 mm	
Width	927 mm	
Height	1 335 mm	
Weight	937 kg	1 010 kg

System & Accessories

Floor saw FSD1274	
10985200	Floor saw FSD1274 (Standard configuration)
Accessories	
10990243	Green concrete kit with 500 mm blade guard and transformation set (2 100 1/min) Max. saw blade Ø 500 mm
10990244	900 mm blade guard and transformation set (1 165 1/min) Max. saw blade Ø 900 mm
10990245	1 200 mm blade guard and transformation set (880 1/min) Max. saw blade Ø 1 200 mm

Diesel particle filter and transformation set on request

★★★
PREMIUM

Floor saw FSD1274 3-Speeds

Cutting depth up to 480 mm



Three speeds for ideal rotational speeds and optimised lifetime



Safe repositioning of the saw thanks to neutral position

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

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

System & Accessories

Saw blade

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

Drive

Drive / motor	Diesel
Type	Kubota
Output	55 kW / 74 PS
Fuel	Diesel
Fuel tank	34.2 l
Engine cooling	Water cooling
Feed	Hydraulic
Blade drive	Directly flange-mounted
Feed speed	0–76 m/min

Design

Electro-hydraulic cutting depth adjustment
Electro-mechanical cutting depth stop
Hydraulic adjustable handles
Left / right cutting function
Tool cooling using water fork
Engine cover
3 speed gear box with neutral position

Dimensions & Weight

Length	1 620 mm
Width	927 mm
Height	1 420 mm
Weight	990 kg

System & Accessories

Floor saw FSD1274	
10989900	Floor Saw FSD1274 3 Speed (1 200 mm guard)

Accessories

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

Diesel particle filter and transformation set on request





Drives

Machines

176

★★
STANDARD

Drive PPH25

Power 25 kW



Ergonomically arranged control panel



Safe due to high quality electronic components



Manometer display for main and feed cycle

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

with product features reduced to the essentials.

System & Accessories



Technical data

Electric motor

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

Hydraulic

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

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

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

Power

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

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

Electric

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

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

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

Dimensions & Weight

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

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

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

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

System & Accessories

Drive unit PPH25

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

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

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

Accessories

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

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

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH25RR

Power 25 kW



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



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

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

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

System & Accessories



Technical data

Electric motor

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

Hydraulics

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

Output

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

Electrical equipment

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

Dimensions & Weight

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

System & Accessories

Drive unit PPH25RR

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

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

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

Accessories

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

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH40RR

Power 40 kW



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



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

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

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

System & Accessories



Technical data

Electric motor	
Power	40 kW

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

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

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

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

System & Accessories

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

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

* Different voltage and frequency types are available upon request.



Free hand

Dry cutting	186
Diamond cup wheels	189
Information	190
Diamond cup wheels	192
Hand- and ring sawing	197
Information	198
Hand- and ring saw blades	200
Machines	202





Dry cutting



New features, new design, trusted quality

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

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

New PREMIUM range available from 2020

The revised STANDARD and BASIC assortment will be presented in the next few months



The brochure with the current dry cutting range inclusive all available novelties is enclosed and will be updated continually.

Find out more at www.tyrolit.com

What is new?

Increased performance by up to 30%

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

Compact assortment

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

Innovative and user-friendly

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

New look

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

Highest product safety

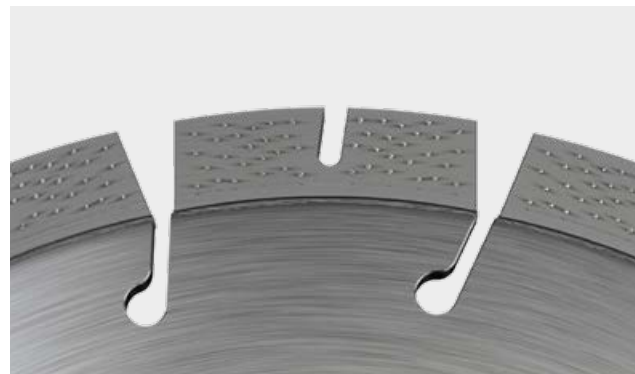
- + Complete assortment in compliance with OSA and EN13236 regulation

Upgraded segments for outstanding results



PREMIUM TGD® upgrades

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



Upgraded PERMIUM segments

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





Robert Bosch GmbH
D - 70745 Leinfelden - Echterdingen
3.3kW H2Y-A00
125mm x 22mm x 1.6mm
CE

Diamond cup wheels



Diamond cup wheels for angle grinders

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

Service

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

Remarks / recommendations

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

Application recommendation



Performance Level	Specification	Hard stone	Concrete	Abrasive materials	Universal	Pages
★★★ PREMIUM	DGU Turbo				●	192
	DGU				●	193
★★ STANDARD	DGU Single row				●	193
	DGU Double row				●	193
	DGU Turbo				●	194
	DGU-T Continuous				●	194
	DGAB			●		194
	DGC			●		195
	DGH	●				195
	DGU-FC				●	195

FC - Fastcut

S - Silent

LL - Longlife



DGU-Turbo Diamond cup wheels

for universal building materials | W-Segment

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

- + **Quick dust removal.**



- + **Impressive performance and lifetime.**

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



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

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



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



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

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



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

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

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



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

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

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



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

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

Free hand





DGU-Turbo Diamond cup wheels for universal building materials



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

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

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





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



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

and high grinding power.

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

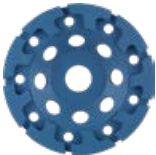



DGAB Diamond cup wheels for abrasive materials | T-Segment



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

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

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



DGC Diamond cup wheels for concrete | T-Segment



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

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



DGH Diamond cup wheels for hardstone | T-Segment



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

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



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



Machinable materials: Concrete and general building materials. Details:
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 number	Dimension	Segment height	
		STS-LS	34247161	100x20.5x22.23	5
			34247162	115x20.5x22.23	5
			34247164	125x20.5x22.23	5
			34247165	180x30x22.23	5



A blue-tinted photograph of a rocky shoreline. The foreground is dominated by large, dark, jagged rocks. In the middle ground, a person's legs are visible, extending from the water towards the shore. The background shows a calm body of water reflecting the sky. A semi-transparent white banner is overlaid across the middle of the image, containing the text 'Hand- and ring sawing'.

Hand- and ring sawing



Hand- and ring saw blades

The leadership of TYROLIT is based on years of experience in the fields of production and application of hand saw blades. This allows us to provide innovative solutions for large scale projects and at the same time, our tools achieve efficient results in everyday use at construction sites.

Hand saw blades are especially suitable for openings and breaking through walls or ceilings with minor depths. TYROLIT ring saw blades



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

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



Application recommendation

Operation only for wet cutting



Performance Level	Specification	Concrete	Pages
 PREMIUM	HSL TGD®	●	200
	RSL	●	200
	RSL-C	●	201
	RSL-FC	●	201
	RSM	●	201
 STANDARD	HSL-FC	●	200

Colour indication

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

★★★
PREMIUM

HSL Hand saw blade

for concrete | in TGD®-Technology

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

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

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

★★
STANDARD

HSL-FAST CUT Hand saw blade

for concrete

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

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

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

★★★
PREMIUM

RSL Ring saw blade

for concrete | Ø 406 mm / 506 mm

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

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

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

★★★
PREMIUM

RSL Ring saw blade

for concrete | Ø 366 mm

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

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

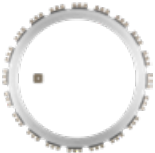

	Shape	Type number	Dimension	Segment height
		C1W	739886	366x4.2x288

Free hand

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


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

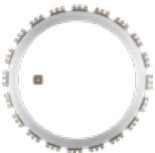

With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

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

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


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



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

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

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


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

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

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

● = low
 ● = medium

Free hand

★★★
PREMIUM

Hand saw HBE350

Cutting depth up to 125 mm



355 mm saw blade with cutting depth up to 125 mm



2.8 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

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

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

System & Accessories

Technical data

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

Drive

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

Dimensions & Weight

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

System & Accessories

Hand saw HBE350	
10996674	Hand saw HBE350 / 230 V
10997263	Suction frame

★★★
PREMIUM

Hand saw HBE400

Cutting depth up to 150 mm



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



3.2 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

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

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

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

System & Accessories

Technical data

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

Drive

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

Dimensions & Weight

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

System & Accessories

Hand saw HBE400	
10991700	Hand saw HBE400 / 230 V

Accessories

10998741	Flush cut kit
----------	---------------

★★★
PREMIUM

Ring saw HRE410

Depth of cut up to 300 mm



Ideal cutting performance due to a 6.5 kW P2® motor in conjunction with TYROLIT ring saw blades



Intelligent ergonomics – handle can be rotated 90° for horizontal cuts



Modular use with WSE1621 wall saw system

The HRE410 is an electric hand saw for wall and floor cuts to a depth of 300 mm. The ring saw is an ideal supplement to the WSE1621 wall saw system, enabling work without overcuts and therefore provides a

better alternative to corner drilling or diamond chain saws. The combination of a powerful 6.5 kW P2® motor and TYROLIT ring saw blades ensures exceptional cutting performance – for fast, precise

work. The intelligent ergonomics are another feature of this machine; the rear and front handle can be adjusted to enable an ideal position for cutting with less fatigue.

System & accessories

Technical data

Saw blade	
Max. depth of cut	300 mm
Max. ring saw blade Ø	410 mm

Drive

High-frequency motor	
Power	6.5 kW
Speed	1938 rpm
Cooling	Water

Design

Modular use with WSE1621
P2 [®] high-frequency technology
Adjustable, ergonomic handles
Front handle for left- and right-handed users
Rear handle can be rotated 90°
Water intake can be controlled directly on handle
IP 55 protection class
Overload and excess temperature display

Dimensions & weight

Length	505 mm
Width	320 mm
Height	520 mm
Weight	14.5 kg

System & accessories

Ring saw HRE410	
10999300	Ring saw HRE410
10995700	WSE1621 electric control
34438701	Ring saw blade for HRE410





Table sawing

Information	210
Table saw blades	212
Machines	216









Diamond saw blades for table saws

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

TYROLIT table saw blades are developed to work perfectly with TYROLIT Hydrostress machines and therefore

meet all cutting work challenges and deliver the best results.

Application recommendation

Performance Level	Specification	 Universal	 Hard stone	 Engineering bricks	 Abrasive materials	 Soft stone	 Tiles	Pages
★★★ PREMIUM	TSU	●						212
	TSU-SILENT	●						213
	TSH		●					213
	TSH-SILENT		●					213
	F40				●			213
	TSS10			●				214
	ES-T					●		214
	DCT						●	214

Service

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

Remarks / Recommendations

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

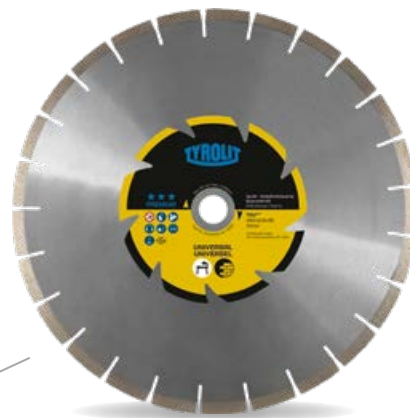


TSU Table saw blade

for universal building materials

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

- + **Maximum performance
and lifetime.**



- + **Broad product range.**

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

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



TSU Table saw blade for universal building materials



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






TSU-SILENT Table saw blade for universal building materials



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

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



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





TSH Table saw blade for hardstone



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

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

TSH-SILENT



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



F40 Table saw blade for abrasive materials



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

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





TSS10 Table saw blade for engineering bricks



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

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

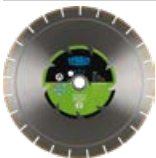

	Shape	Type number	Dimension	Segment height
	 C1	894258	350x2.8x35	9



ES-T Table saw blade for marble



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

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

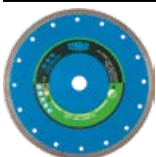



DCT Table saw blade for tiles and ceramic materials




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

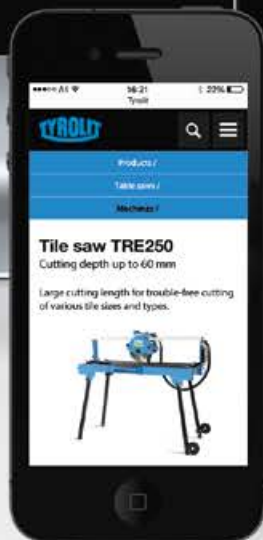
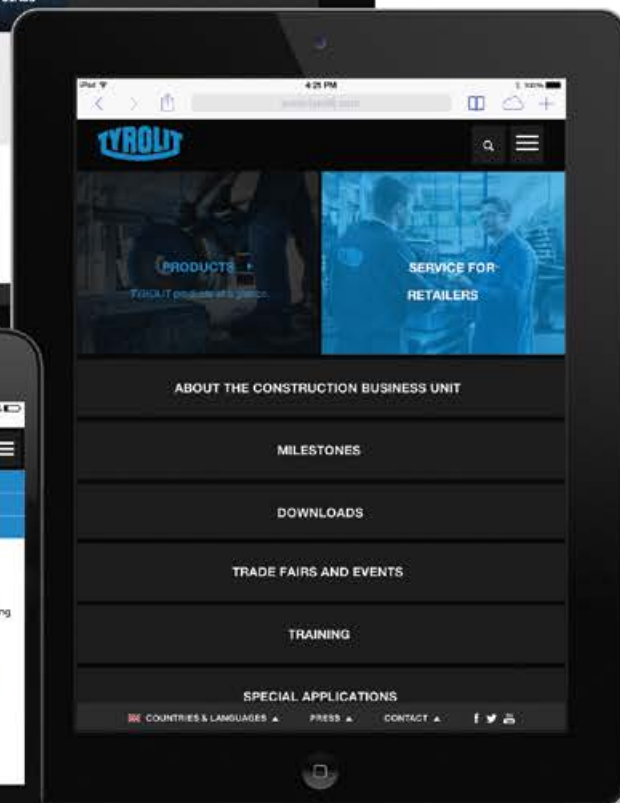
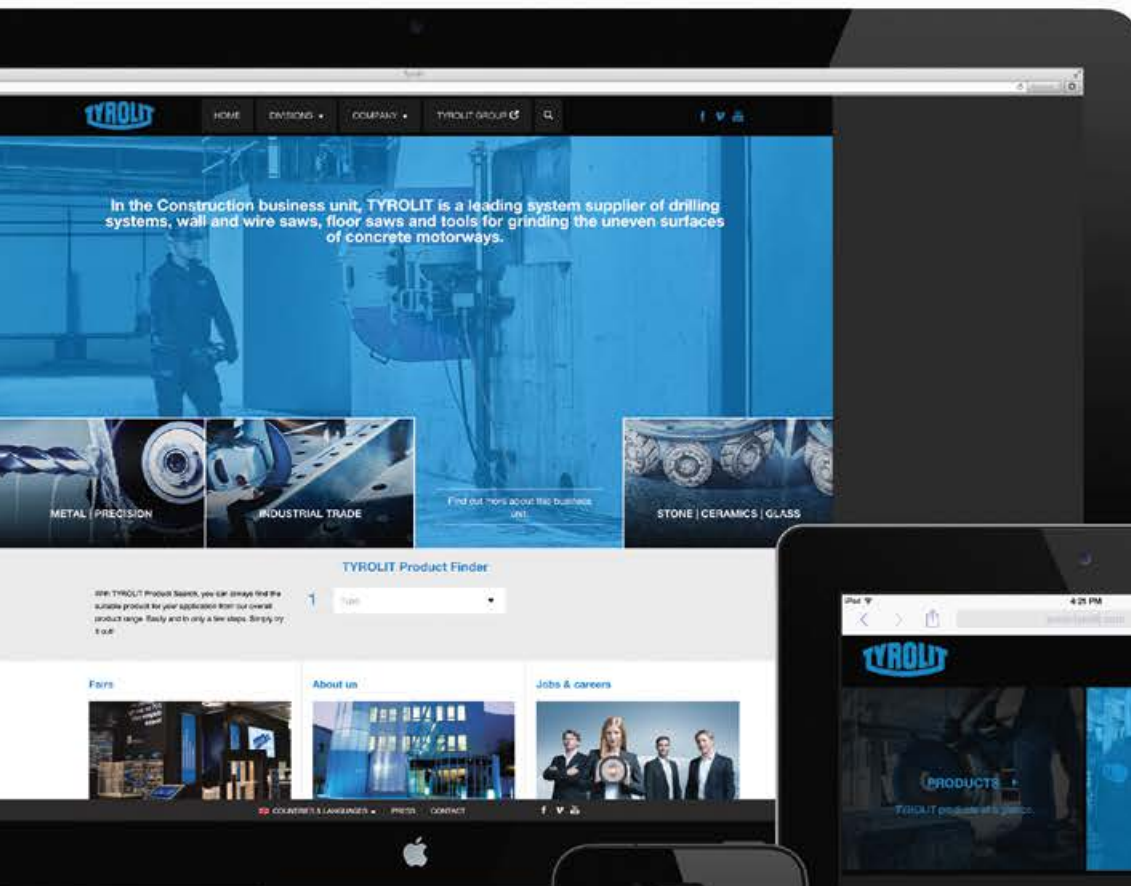
Details: ultra-thin saw blades with excellent properties. 35–30 mm and 30–25.4 mm reduction bushes are supplied.

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

Accessories dry cutting saw blades Sharpening plate for tiles



	Type number	Dimension
	SP6 662791	55x25x320



www.tyrolit.com

★★★
PREMIUM

Tile saw TRE250

Cutting depth up to 60 mm



Cutting length up to 1 m for cutting large tiles



Clean cuts thanks to precise saw head guide and robust design



Safe and easy transport thanks to folding feet and transport wheels

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

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

System & Accessories

Technical data

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

* Plunge cut

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

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

Accessories	
10995459	Side splash guard
10995489	Parallel guide

★★
STANDARD

Masonry saw TBE400

Cutting depth up to 125 mm



Swivelling saw head enables 45° mitre cuts



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



Angle stop provided for cuts of 30° to 90°

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

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

System & accessories

Technical data

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

Drive

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

Design

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

Dimensions & weight

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

System & accessories

Masonry saw TBE400	
10998400	Masonry saw TBE400 / 230 V

★★★
PREMIUM

Masonry saw TME700

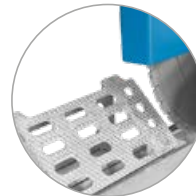
Cutting depth up to 270 mm



Removable water tank for easier cleaning



Sturdy, balanced transport hook for easy crane transport



Precise mitre cutting thanks to mitre stop

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

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

System & Accessories

Technical data

Saw blade	
Max. cutting depth	270 mm
Max. saw blade Ø	700 mm
Cutting length	600 mm
Saw blade speed	1 380 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

Drive

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

Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function (swiveling saw head)
Transport hook and fork lift guides
Pull-out water tank
Electric water pump

Dimensions & Weight

Length	1 470 mm
Width	910 mm
Height	1 350 mm
Weight	220 kg

System & Accessories

Masonry saw TME700	
10989600	Masonry saw TME700 / 400 V

Accessories	
10978735	Mitre stop (Jolly table)

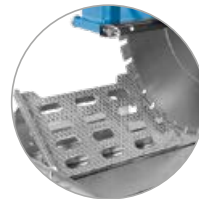
★★★
PREMIUM

Masonry saw TME1000

Cutting depth up to 380 mm



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



Precise mitre cutting due to mitre stop



Fork lift guides for easy and secure transport

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

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

System & Accessories

Technical data

Saw blade	
Max. cutting depth	380 mm
Max. saw blade Ø	1 000 mm
Cutting length	660 mm
Saw blade speed	910 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

Drive

Drive / motor	Electric
Output	7.5 kW
Standard voltage / frequency	400 V / 50 Hz
Engine cooling	Air cooling
Saw blade drive	Via gears

Design

Infinitely adjustable cutting depths
Angle cutting function (angle stop)
Mitre cutting function (optional mitre stop)
Transport hook and fork lift guides
Pull-out water tank
Electric water pump

Dimensions & Weight

Length	1 800 mm
Width	1 030 mm
Height	1 500 mm
Weight	324 kg

System & Accessories

Masonry saw TME1000	
10989800	Masonry saw TME1000 / 400 V

Accessories

10978735	Mitre stop (Jolly table)
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Other

Filter presses	226
Pressing and crushing	228
Notes	237

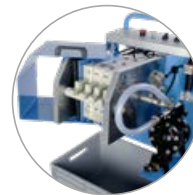
★★★
PREMIUM

Filter press SPP400

Cake volume 2.4 litres



Clear, user-friendly control panel



Filter unit



Suction pump

The SPP400 filter press was specially developed for small construction sites and, due to its compact design, is the most mobile and easiest to use filter press on the market. Thanks to its low weight, patented air cushion

technology and trolley chassis, one-man operation is no problem.

With this filter press, TYROLIT enables concrete and stone slurry to be disposed of in an expert and

environmentally friendly way. The recycled water can be discharged into the sewers or reused without problem, and the residues (cakes) in the filter can be disposed of at low cost as building rubble.

System & Accessories

Technical data

Filter press SPP400	
Brief description	Mobile solution for temporary construction sites
Operation	Compressed air
Required pressure	250 l / 8 bar
Recycling capacity	400–600 l/hr.
Cake volume	2.4 l
Dimensions and weight	
Length	600 mm
Width	630 mm
Height	950 mm
Weight	79 kg
Recommended compressor	
Capacity	340 l/min
Supply pressure	8 bar
Revolutions	1450 rpm

Other versions

Filter press SPP600	
Brief description	For continuous mobile or stationary use on construction sites
Operation	Compressed air
Required pressure	250 l / 6 bar
Recycling capacity	400–600 l/hr.
Cake volume	6.4 l
Dimensions and weight	
Length	1 200 mm
Width	800 mm
Height	1 620 mm
Weight	320 kg
Recommended compressor	
Capacity	340 l/min
Supply pressure	10 bar
Revolutions	1 450 rpm

Other versions

Filter press SPP1200	
Brief description	High filter capacity for industrial use on large construction sites, in concrete plants and natural stone companies
Operation	Compressed air
Required pressure	500 l / 7 bar
Recycling capacity/hr.	2 000 l/hr. – 160 kg solids
Recycling capacity/cycle	400 l/hr. – 32 kg solids
Cake volume	30 l
Dimensions and weight	
Length	1 200 mm
Width	800 mm
Height	1 600 mm
Weight	520 kg
Recommended compressor	
Capacity	500 l/min
Supply pressure	8 bar

System & Accessories

Filter presses	
10998274	SPP400
10998275	SPP600
10998276	SPP1200

★★★
PREMIUM

Press tool CP-110/BTH350

Pressing force of 110 and 260 tons



Safety due to special hose connection system



Pressure plates ensure even pressure distribution and pass expansion

TYROLIT pressing tools enable controlled demolition without water, noise, dust or vibrations.

System & Accessories

Technical data

	CP-110	BTH350
Pressing force	108 tons	260 tons
Number of pistons	3	2
Stroke	24 mm	50 mm
Required core bore hole Ø (with pressure plate)	130 mm	200 mm
Required core bore hole Ø (without pressure plate)	110 mm	Not recommended
Weight	15 kg	36 kg
Connecting lines	2 off (short/straight)	2 off (long/curved)
High-pressure connection	Screw version	

System & Accessories

CP-110	
975756	Burster head CP-110 with screw connection

BTH350	
10986983	Burster head BTH350P

Hydraulic hoses

975604	HP-hose 5 m screwed
975608	Low pressure hose 5 m

Concrete press system accessories

973886	Male coupling for LP-hose
979401	Cap Ø 20 mm LP-hose
970285	Double fitting for HP-hose
980397	Cup ¼" HP-hose
970301	HP-pipe short straight CP/SP
970303	HP-pipe long straight CP/SP
971383	HP-pipe long bended SP
970271	Pressure plate
978272	Pressure plate CP-110 250 mm

Drive AU

Working pressure up to 2 000 bar



User-friendly thanks to clear inspection and control panel



Accessories: Distributor head for 8 pressing tools



Two separately adjustable outputs for controlled pressing work

Suitable for pressing tools CP110 and BTH350. The high-pressure drive generates a pressing force of up to 2 100 tonnes.

System & Accessories

Technical data

Hydraulics	
Press force	0.5 l/min at 2 000 bar
Low pressure	2.4 l/min at 150 bar
Booster pressure	14.4 l/min at 80 bar
Oil tank capacity	13 litres

Motor

Electric motor	Air-cooled
Voltage	200/230/380/400/460 V
Current (400 V / 50 Hz)	10 A
Frequency	50/60 Hz
Output	2.2 kW

Connections

High pressure	2 pcs. (optionally 8 pcs.)
Low pressure	4 pcs. (optionally 8 pcs.)

Dimensions & Weight

Length	750 mm
Width	560 mm
Height	755 mm
Weight	127 kg

System & Accessories

Drive unit AU	
975754 *	High pressure drive unit AU 400/50 EU
975761	Tool box

Accessories

973071	El.-plug CEE 16/5 pol.
974045	4-way HP adaptor unit
960827	2 way inlet connection
970300	Adaptor M24-G¼" for SP
974053	Return nipple complete CP/SP
974054	Screw nipple complete CP/SP
974050	Screwing set CP/SP

* Different voltage and frequency types are available upon request.

Crusher BZ

For wall thicknesses of 120 to 300 mm



Distance washer
(25 and 50 mm)
for various wall thicknesses



Various pressure head
accessories



Easy and safe operation

The crusher for controlled demolition without water, noise, dust or vibrations. The weight-optimised

high-strength aluminium body can be comfortably operated by 2 persons.

System & Accessories

Technical data

Crusher BZ	
Crushing force	30 tons
Wall thicknesses	120–300 mm

Dimensions & Weight

Length	530 mm
Width	290 mm
Height	910 mm
Weight	47 kg

System & Accessories

Crusher BZ	
975197	Crusher BZ
975728	Tool box BZ

Accessories

977522	Steel point BZ
974203	Special head BZ for stair removal
974204	Pressure head BZ for thickness <150 mm
970632	Distance washer 50 mm
970630	Distance washer 25 mm

Drive BW-2

Working pressure up to 750 bar



Easy transport due to detachable motor

Suitable for crusher BZ. The small, handy and lightweight drive with removable main motor.

Technical data

Hydraulics

Hydraulic power	7.4 l/min at 750 bar
Oil cooling	Oil/water heat exchanger
Oil tank capacity	6 litres

Motor

Motor	Water-cooled electric motor
Voltage	200/230/380/400/460 V
Current (400 V)	16 A
Frequency	50/60 Hz
Output	10 kW

Dimensions & Weight

Length	800 mm
Width	510 mm

Height	1,050 mm
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Weight with motor	64 kg
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Weight without motor	34 kg
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System & Accessories

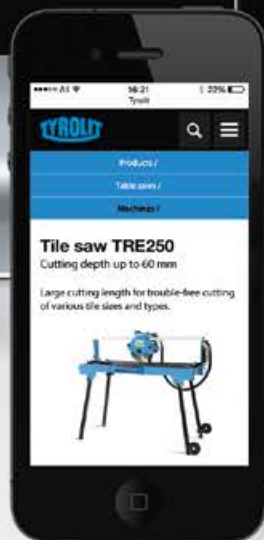
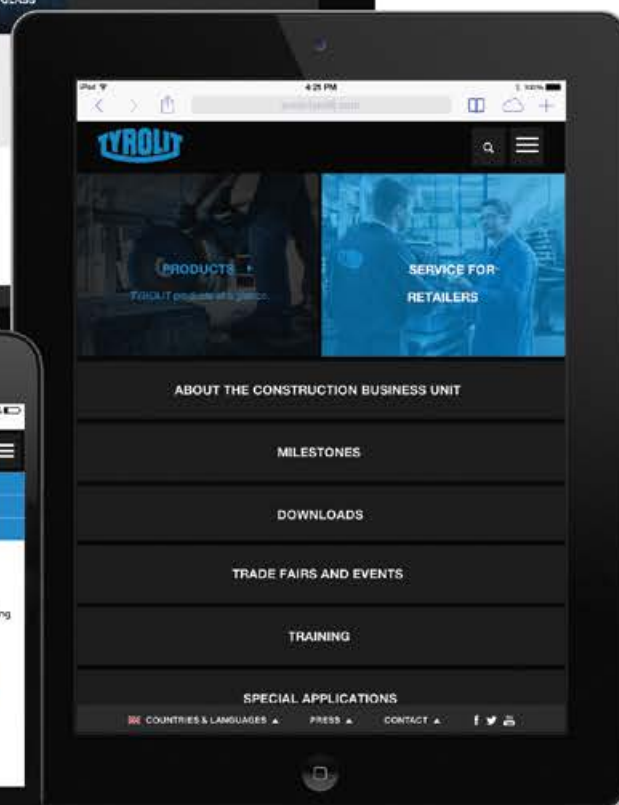
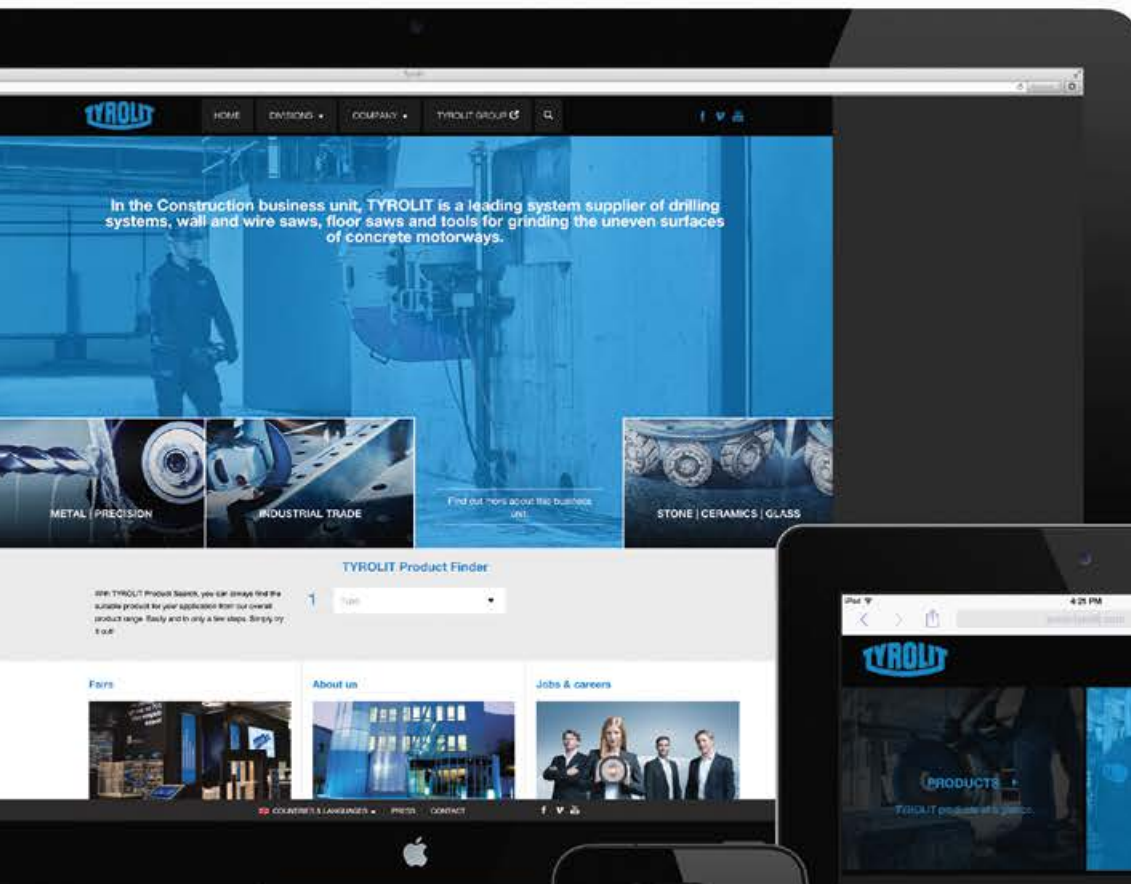
Drive unit BW-2

975698*	High-pressure drive BW-2 400/50 EU
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Accessories

973071	El.-plug CEE 16/5 pol.
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* Different voltage and frequency types are available upon request.



www.tyrolit.com





Notes

Other

Safety

Safety and the brand TYROLIT

Our aim was and is to make our products even safer for our users:

Through our work as the founder member of the “Organisation for the Safety of Abrasives” (oSa®), through close cooperation with the safety authorities and through practical communication with our users all over the world.

For safe working with grinding tools, it is necessary that

- machine manufacturer
- abrasive manufacturer and
- operator

contribute their part in equal measure. TYROLIT guarantees that all tools meet the requirements of the oSa® and the European standards. The CE marking of our machines guarantees the complete compliance with the applicable EU safety requirements.

TYROLIT strongly recommends not to use grinding tools, which do not have the symbols oSa®, EN13236 (diamond tools), EN12413 (cutting and grinding wheels) or EN13743 (flap discs).

Assembly / repair

Diamond tools must be visually inspected for cracks or other possible damage before mounting.
Don't use damaged diamond tools!

The dimension of the diamond tool must correspond to the information on the machine and shouldn't exceed those.

Make sure that the maximum operating speed (RPM) of the tool is not exceeded.

Please note when mounting, that the arrow on the diamond tool corresponds with the direction of rotation of the machine.

Make sure the bore of the diamond tool fits the machine spindle properly – the bore must not be manipulated.

Make sure that the machine spindle is clean and intact. An out of round condition will cause damage to the blade and the saw.

Flanges should be clean, flat, of equal size and of the proper type for the diamond tool. Don't use damaged flanges.

The diamond tool must be properly mounted, rotate freely and the flanges must be tightened properly. Never force a wheel onto the machine.

Only use machines with suitable blade guards.

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

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



Application

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

Secure the workpiece to prevent accidental slipping.

Support plates or large workpieces in order to reduce the risk of wheel pinching and kickback.

Large workpieces tend to sag under their own weight.

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

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

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

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

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

Never attempt to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur. Do not restart the cutting operation in the workpiece. Let the wheel reach full speed before you re-enter the cut.

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

Safety information



Use gloves



Use dust mask



Only permitted for wet grinding



Do not use damaged wheels



Use eye protection



Personal safety



For dry applications



Not permitted for side grinding



Use ear protection



Pay attention to the safety recommendations



Not permitted for wet grinding



No freehand work

Recommended RPM

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

Trouble-shooting

Wet core drill

1. Excessive wear of diamond segments

- Insufficient coolant supply. Adjust the water supply and/or check the water lines.
- The operating speed of the core drill is too low. Increase the RPM (see RPM recommendations).
- The engine power is too high. Match the motor power to the drilling diameter.
- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The selected core drill may not be suitable for the material being drilled, or the material is too abrasive. Use a harder specification (e.g. CDL - CDM).

2. Excessive wear of the steel tube

- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The core drill is warped / is not running true.
- The core drill is not fixed properly. Check if the core drill is aligned with the motor spindle.
- There are remains in the hole, which have not been removed by the coolant. Increase the coolant supply temporarily.
- You are drilling in loose material (e.g. gravel).

3. Broken segments

- In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.
- The core drill has struck multiple times against reinforcements or fragments. Remove all loose steel and segment parts before introducing a new core drill.
- The core drill is cutting into loose reinforcement. Reduce the RPM when drilling reinforcements in order to avoid damage to the core drill.

4. Drill bit does not drill Segments are overloaded

Flat segment surface, possible deformation of the segments, high number of pull-outs (>50 %), drill chatters

- The operating speed is too low. Increase the RPM.
- The grinding pressure is too high. Reduce the pressure.
- The material may be too soft and abrasive for the used specification. Use a harder specification (e.g. CDL - CDM).

5. Drill bit does not drill Segments are underchallenged

Smooth segment surface, polished diamonds (shining, no sharp edges)

- The diamond segments are smooth (polished).

Re-sharpen the drill bit by drilling into soft, abrasive material or use a TYROLIT sharpening plate.

The operating speed is too high. Reduce the RPM.

The grinding pressure is too low. Increase the pressure.

The engine power is too low. Match the motor power to the drilling diameter.

Excessive coolant supply, only clear water is coming out of the drill hole (no slurry). Reduce the coolant supply and check the consistency (should be milky/cloudy).

The material may be too hard for the used specification. Use a softer specification (e.g. CDL - CDM).

6. The core drill is jammed

Debris is blocked between the core and the tube wall (steel, pieces of material). Remove the drill rig and, using a wrench, turn the core drill alternately in both directions until it can be removed. Take the debris out of the drill hole before introducing a new core drill.

The drill rig was not fixed correctly and has moved during drilling. Drill rig and core drill are no longer aligned. Align and re-fix the drill rig.

Trouble-shooting Diamond saw blade

1. Excessive wear

The saw blade is not suitable for the material being cut. Use a harder specification.

Insufficient water supply. Adjust the water supply and/or check the water lines.

The blade is pounding, which accelerates the wearing. The reasons could be poor bearings, a worn spindle shaft or the use of a too hard specification for the material being cut. Check the state of the machine or use a softer specification.

The operating speed (RPM) is too low. Use the correct RPM for the diameter of the blade (see RPM recommendations).

2. Undercutting

Undercutting is a condition in which the steel center wears faster than the diamond segment, especially in the areas where the segment and core are joined. This is caused by highly abrasive material grinding against the blade during the sawing operation. Finally this can lead to segment loss.

Be sure to have sufficient water supply. Only with sufficient water the abrasive grinding slurry will be transported out of the contact zone and will thus reduce the undercutting effect.

Do not cut into the sub base of the pavement (lose gravel or sand). The loose material scrubs strongly on the body and tips it below the segments.

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

3. The blade does not cut

The saw blade is too hard for the material being cut. Check if the specification is appropriate. A glazed blade can be sharpened by cutting into soft, abrasive material.

The output power of the machine is insufficient to permit the blade to cut properly. Make sure that the specification is appropriate for the machine power and the material being cut. Repeatedly check the tension of the V-belt in order to guarantee an optimal transmission of power.

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

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

4. Overheating

Overheating may lead to several problems like loss of core tension, cracks in the steel core and segment loss (in case of brazed segments). Overheating can be identified by a discoloration (blue and/or black oxidation) of the blade or the segments.

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

An excessive cutting pressure leads to overheating of dry-cutting tools. Use several passes of 2 to 5 cm deep for cutting solid materials.

On a regular basis, release the pressure on the diamond blade and allow it to rotate freely for cooling in the air. Do not use excessive pressure – the weight of the machine is sufficient.

5. Loss of blade segment

The machine was not held firmly or the material was not fixed, which caused the blade to twist or jam in the cut. Secure the material firmly while cutting and maintain a firm grip on the machine.

The blade is too hard for the material being cut which causes the blade to chatter. Use a softer specification.

The blade has been undercut. Make sure that there is sufficient water supply and do not cut into the base layer of the pavement (gravel).

In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.

The saw has not been mounted correctly and starts to chatter.

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

6. Cracks in the segment

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

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

7. Cracks in the steel core

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

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

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

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

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

8. Uneven segment wear

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

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

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

9. Loss of tension

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

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

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

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

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

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

10. Damaged bore

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

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

Send the saw blade back to the manufacturer for repair.

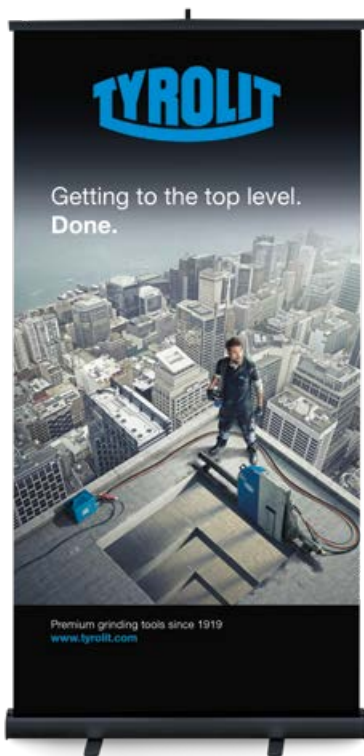
Working together successfully

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

Promotion as a key factor

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

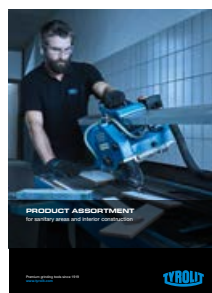
By request we also undertake the planing of your product assortment based on your customers' requirements and advise you on the optimum promotional positioning.



Roll-Up



Poster



Leaflets

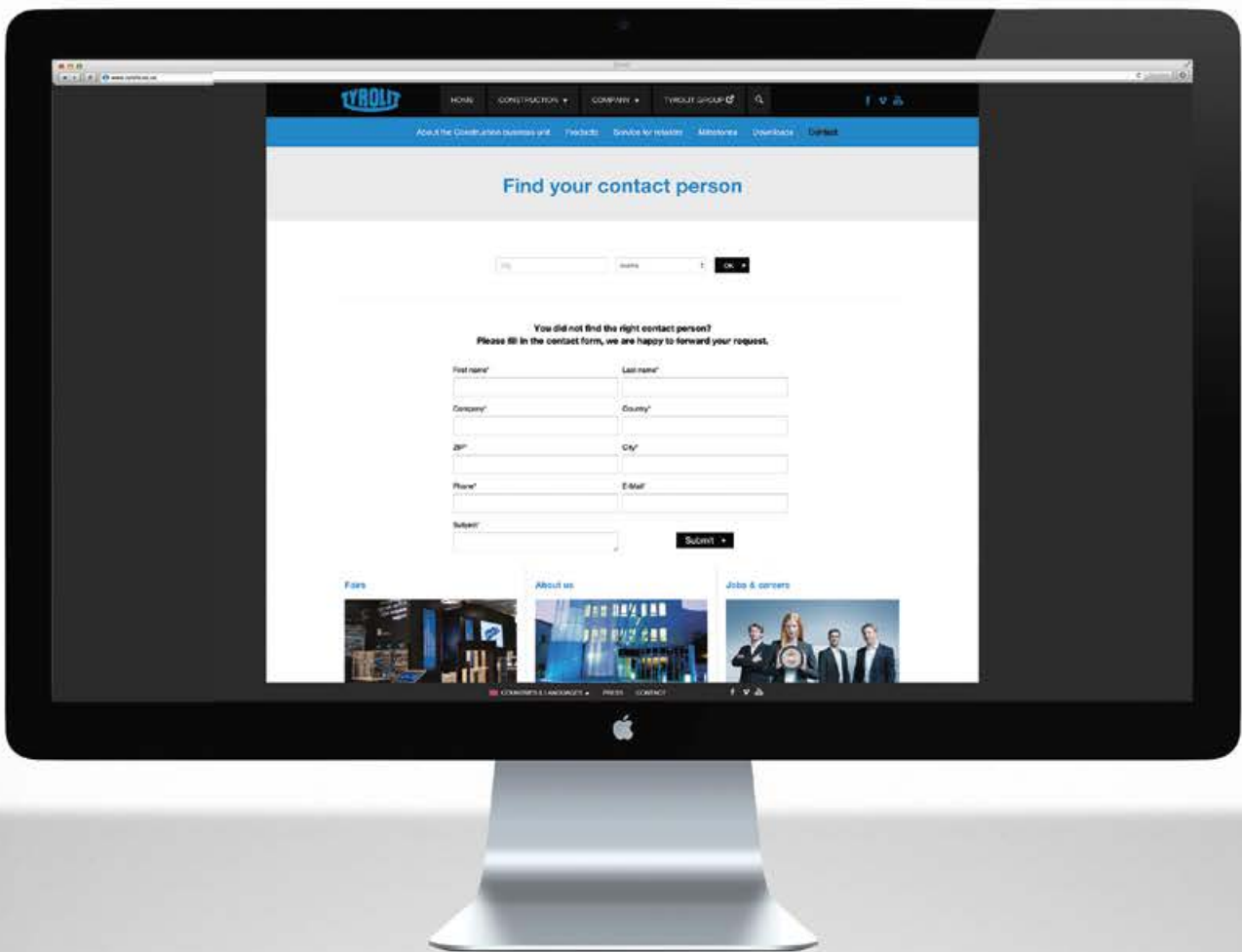


Beach-Flag

TYROLIT addresses

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

www.tyrolit.com



TYROLIT Project Services

Special project services at the highest level

TYROLIT is known for reliable diamond technology and premium products. However, we offer much more than merely products for classic areas of application. In addition to renovation solutions, the demolition of bridges and other large-sized structures made from steel and steel-reinforced concrete, the TYROLIT Project Services Team offers competent support even in delicate surroundings, such as nuclear power plants or offshore platforms.



Adaptable product solutions let customers reach their goals efficiently and economically

For special applications in complex projects, the TYROLIT Project Services Team delivers sophisticated solutions that can be adequately adjusted to the customer's requirements. In addition to the classic concrete drilling and cutting equipment, for example, we offer our customers drilling systems for large-scale drilling diameters and depths, curved tracks or pile cutters for separating pipes and pillars. The adaptation of the products is usually fast and straightforward – true to TYROLIT's philosophy to support customers to get their job done as quickly and efficiently as possible.



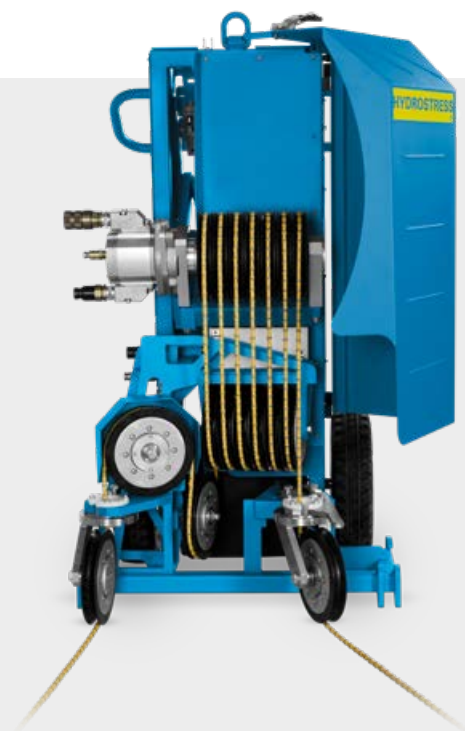
The professional partner in controlled decommissioning

TYROLIT is an especially strong partner in the controlled decommissioning of nuclear power plants and offshore facilities – the supreme discipline of special construction projects. In such high-stakes operations, not only an extremely professional manner of proceeding, but also a great deal of experience is required, no matter where these projects take place. In the past, TYROLIT has already supported customers all over the globe, for instance with the restoration of water dams in Australia and South America, with underwater-cutting in the Atlantic Ocean, or with the decommissioning of nuclear power plants like the one in Belene (Bulgaria).

The only ATEX-certified wire saw system worldwide comes from TYROLIT

The unique ATEX-certified wire saw system by TYROLIT is mainly used for cutting pipes or other steel structures in working environments where explosion-hazardous gases can escape. TYROLIT is the first supplier worldwide to fulfil the stringent European Union explosion protection directive.

- + Certified for explosion hazardous areas (EX Zone 1, II 2G, IIA c T3)
- + Modular, combinable system, also suitable for the use with already certified drives
- + Robust DWH***-S ATEX diamond wire with a very high cutting performance, an outstanding lifetime, noticeable smooth running and a high number of beads
- + Hydraulic SB wire saw with large wire storage (up to 10 m), high power transfer thanks to multiple roller transfer, and hydraulic wire tensioner
- + PPH40RR drive with certified protective cabin
- + For all metals except for titanium
- + Wire speed 10 – max. 18 m/s



Our services for special projects comprise

- + Feasibility studies
- + Planning concepts
- + Principle sketches
- + Customised products for machines & tools
- + Project management
- + Trainings

Find out more at www.tyrolit.com



Catalogue

General information

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A detailed version of our terms and conditions can be found at

www.tyrolit.com

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