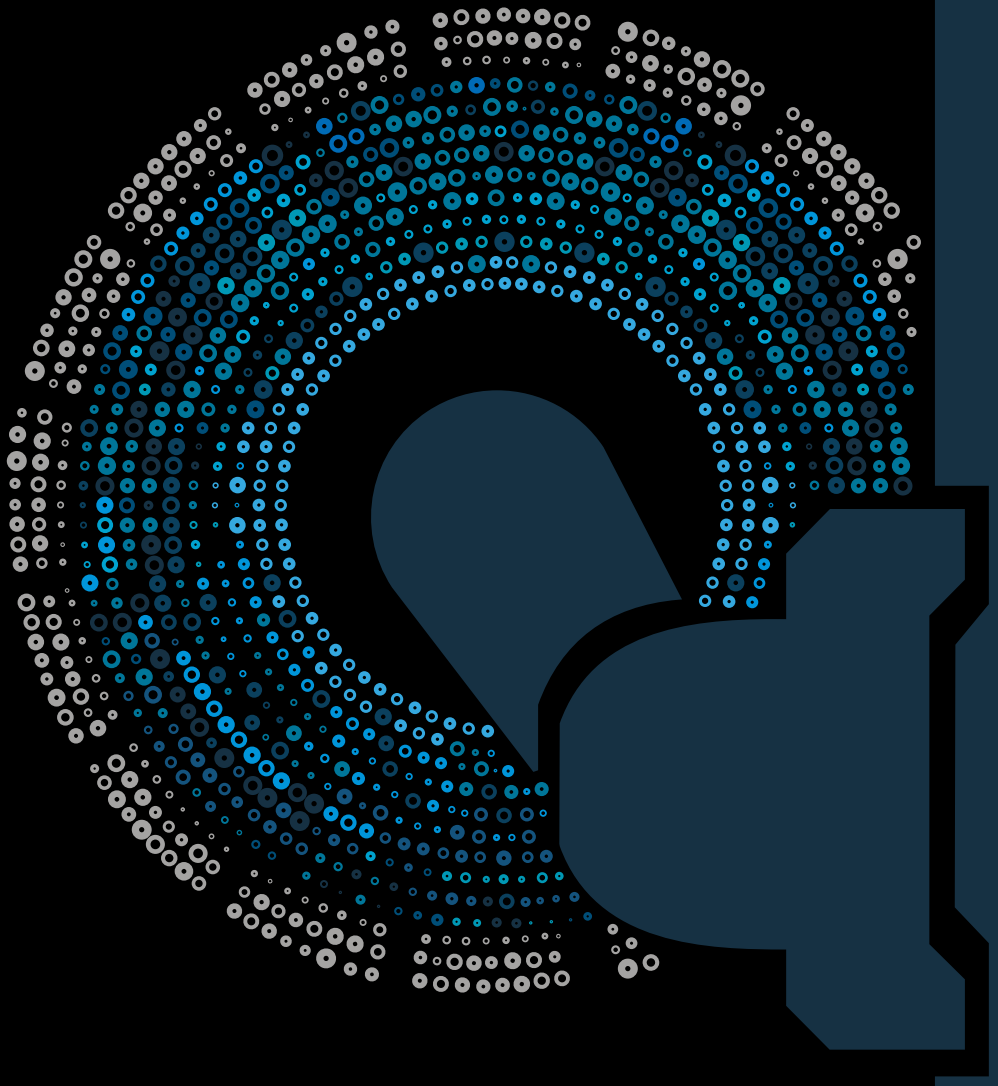
EN



Diamond tools and machines
Product catalogue

English | 2018-19

Premium grinding tools since 1919
www.tyrolit.com

Diamond tools and machines **Product catalogue**



TYROLIT Group
A global company

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

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



Business units

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



Construction

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



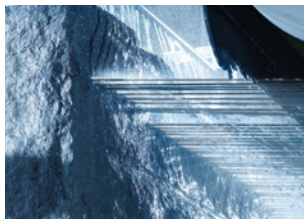
Trade

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



Metal / precision

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



Stone – ceramics – glass

Our customised diamond tools and grinding solutions in the stone – ceramics – glass business unit cannot fail to impress through their exceptional performance and quality.

Quality and Innovation

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

Expertise for our customers

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

Customised products

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

International production and sales locations

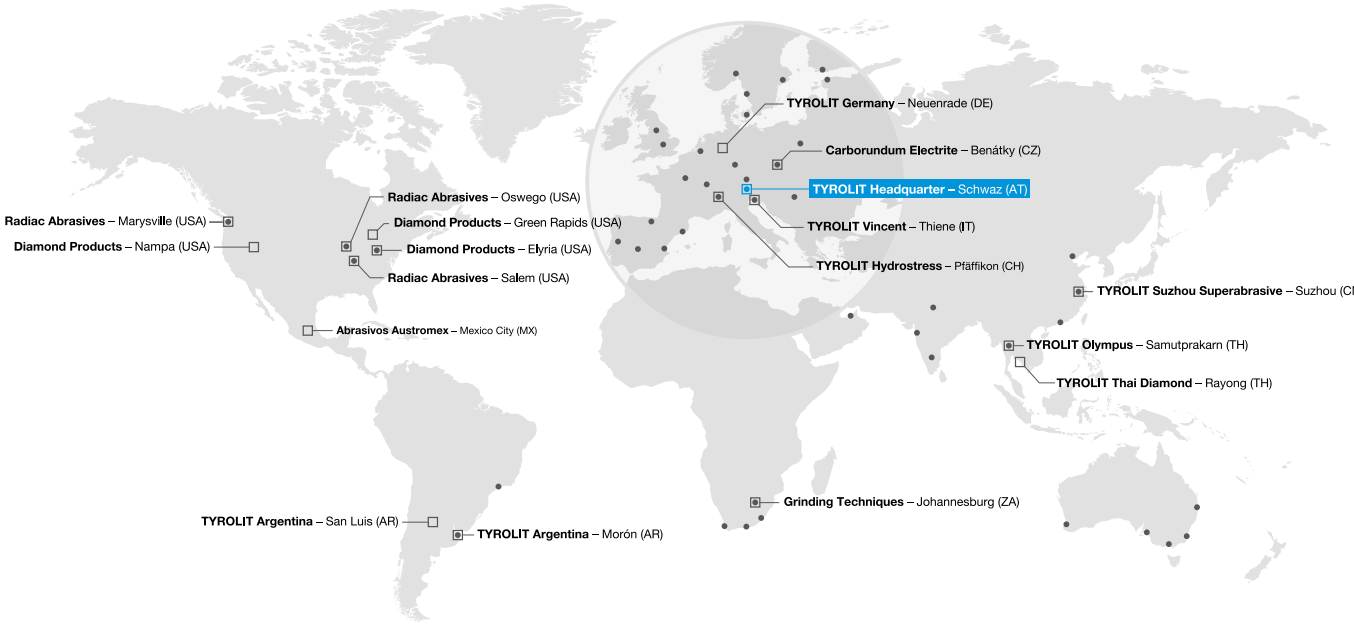
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.

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



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

Distributors in more than 65 countries across the globe



TYROLIT production locations
sites are only named once

TYROLIT sales locations
sites are only named once | includes service centres

Global focus

TYROLIT believes in thinking and acting globally. With a worldwide sales network currently in 65 countries and with production plants in 11 countries, we offer our customers all the advantages of a globally active company.

Local availability

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

Customer service

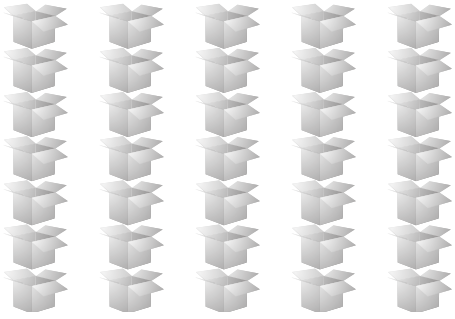
A coordinated supply chain – from production to delivery – guarantees on-time delivery for customers. Moreover, the use of modern planning systems and a team of specialised customer service employees ensures orders are processed quickly and smoothly.

Global logistics

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

TYROLIT warehouses

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



3 300 000
consignments leave the Benatky site every year.

7 700 000
consignments leave the Schwaz site every year.

Quality lines

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

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



★★★
PREMIUM

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



★★
STANDARD

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



★
BASIC

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

Specific information
Diamond tools

Product label



Registered trademark

Max. speed

Quality line

Application and safety pictograms

TYROLIT, founding member of oSa®

Specification

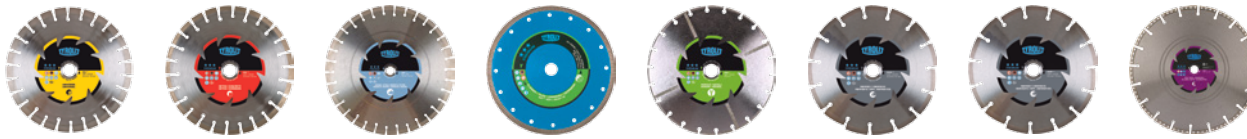
Dimensions: external x internal Ø

Segment length and height

Type number

Material suitability

Colour codes



Label	Universal	Concrete	Hard stone	Tiles	Marble	Asphalt	Abrasive materials	Cast iron
Colour code	YELLOW	RED	BLUE	GREEN	GREEN	GREY	GREY	VIOLET
Material	Universal building materials	Concrete	Hard stone	Tiles, ceramic materials	Soft stone, marble	Abrasive materials	Abrasive materials	Cast iron

Convincing, **technologies**

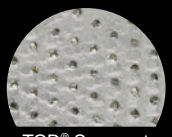


TGD®
TYROLIT GRAIN DISTRIBUTION

TGD® – TYROLIT GRAIN DISTRIBUTION

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

+ Long lifetime
+ High cutting ability
+ Enhanced efficiency



TGD® Segment



Conventional segment

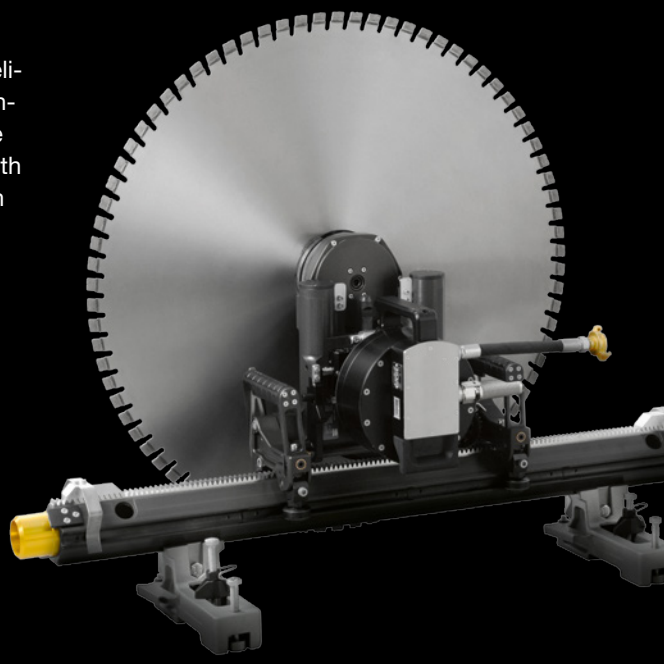
Products with these technologies are identified by these icons on the following pages.

P2®
PERMANENT
POWER

P2® - PERMANENT POWER

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

+ High reliability
+ Powerful performance
+ Compact design



Modular
System

Modular System

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

+ High cost efficiency
+ Efficient working
+ Easy operation







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
Cutting
Grinding
Notes


TYROLIT
HYDROSTRESS



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 45

Core drill systems **47**
- Selecting guide for core drill systems 48
- Machines 52


TYROLIT
HYDROSTRESS

Diamond wet drill bits





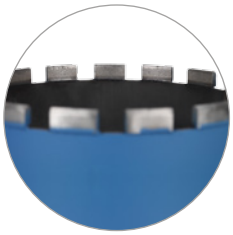
Drill bits
for wet drilling

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.



TGD®
TYROLIT GRAIN DISTRIBUTION

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	
122	310–470	3
152	250–380	
162	240–350	
182	210–320	4
202	190–280	
250	150–230	
300	130–190	
400	100–140	
500	80–120	

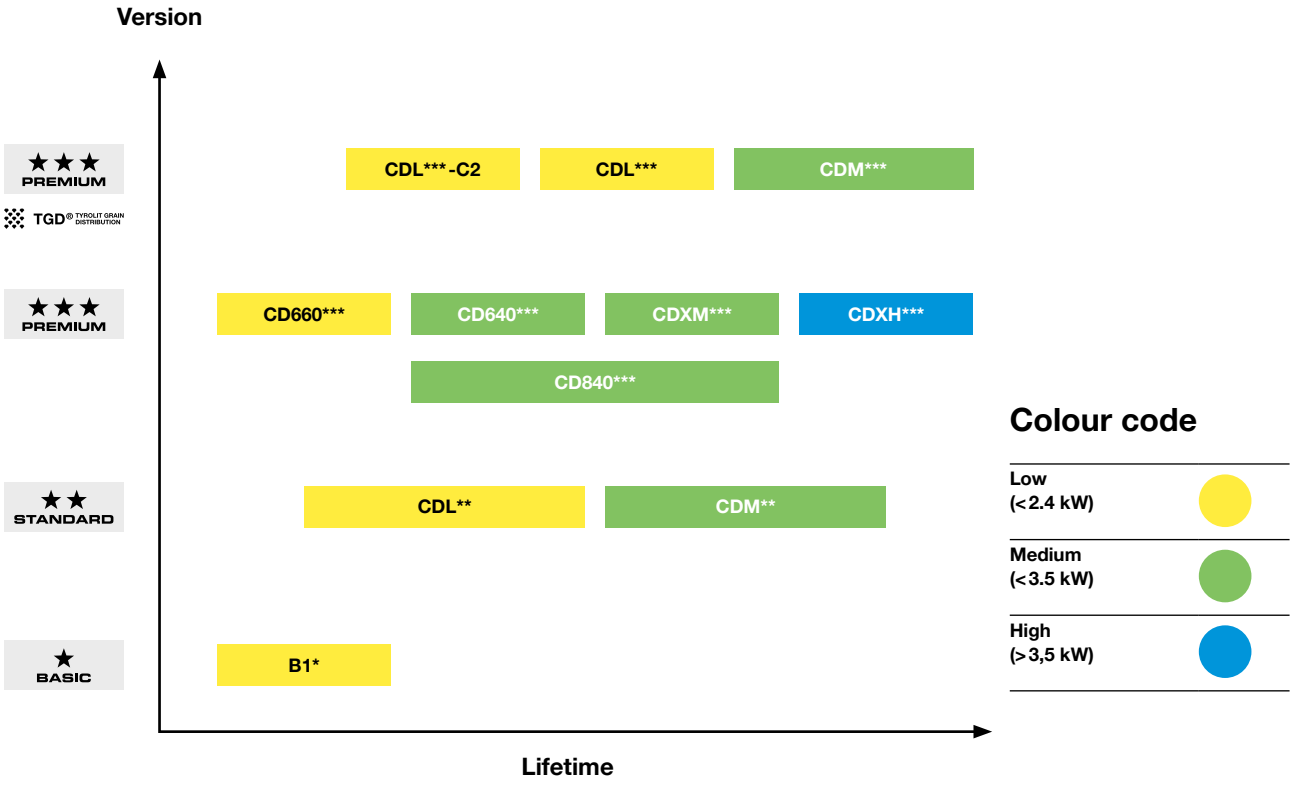
Service

+ Products for concrete (asphalt, masonry, steel and special applications on request)
+ 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





Application recommendation
TYROLIT wet drill bits

Material properties

Specification	Aggregates				Abrasiveness			Reinforcement		
	soft	medium	hard	very hard	low	medium	high	low	medium	high
CDL*-C2**	●	◑	○		◑	●	◑	●	●	◑
CDL*	●	●	◑	○	◑	●	●	●	●	◑
CDM*	◑	●	●	◑	○	●	●	◑	●	●
CDXH*	○	◑	●	●		○	●	◑	●	●
CDXM*	◑	●	●	●	○	◑	●	◑	●	●
CD640*	◑	●	●	●	○	◑	●	◑	●	●
CD660*	●	●	◑	○	◑	●	◑	●	◑	
CD840*	●	●	◑	○	○	●	●	●	●	◑
CDL**	◑	◑	○		○	◑	◑	◑	○	
CDM**	○	◑	●	●		○	●	◑	●	●
B1*	●	◑	◑		◑	◑	○	◑	○	
	Limestone Granite	Quartz Granite	Rhine gravel Danube gravel	Flint						

Machine power

Specification	Machine power			Speed		
	–2.4 kW	–3.5 kW	>3.5 kW	low	medium	high
CDL*-C2**	●	◑			◑	●
CDL*	●	●	○	○	●	●
CDM*	○	●	●	●	●	◑
CDXH*	○	◑	●	◑	●	○
CDXM*	◑	●	◑	○	●	◑
CD640*	◑	●	◑	○	●	◑
CD660*	●	◑			◑	●
CD840*	◑	●	●	◑	●	●
CDL**	◑	◑	○	○	◑	◑
CDM**	○	◑	●	◑	●	○
B1*	◑	◑		○	◑	◑

Suitability

Optimal	●
Good	◑
Acceptable	○
Not suitable	

★★★
PREMIUM

Wet drill bits

CDL*** | in TGD®-Technology (from Ø 47 mm)

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



+ **Very long lifetime.**

Drill motors up to 3 kW | soft to medium-hard concrete aggregates. Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth core removal. Segmented drill from Ø 47 mm with TGD® Technology and new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.

★★★
PREMIUM

Wet drill bits

CDL* | in TGD®-Technology (from Ø 47 mm)**



	Type no.	Dimension	Segment height
HOHL3	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
	475014	37x450xR½"	7
	475015	40x450xR½"	7
	475016	42x450xR½"	7

● = *low*

▶

◀

		Type no.	Dimension	Segment height
	HOHL1	34178733	47x450x1¼"	11.3
		34067834	52x450x1¼"	11.3
		34072174	52x500xPIXIE	11.3
		34170724	57x450x1¼"	11.3
		34159556	62x450x1¼"	11.3
		34072175	62x500xPIXIE	11.3
		34067836	67x450x1¼"	11.3
		34178734	72x450x1¼"	11.3
		34072176	72x500xPIXIE	11.3
		34017777	82x450x1¼"	11.3
		34018370	82x500xPIXIE	11.3
		34018473	92x450x1¼"	11.3
		34018474	92x500xPIXIE	11.3
		34018475	102x450x1¼"	11.3
		34018476	102x500xPIXIE	11.3
		34018477	107x450x1¼"	11.3
		34018478	112x450x1¼"	11.3
		34018479	112x500xPIXIE	11.3
		34018480	117x450x1¼"	11.3
		34018511	122x450x1¼"	11.3
		34018512	122x500xPIXIE	11.3
		34018513	127x450x1¼"	11.3
		34018514	132x450x1¼"	11.3
		34018515	132x500xPIXIE	11.3
		34018516	138x500xPIXIE	11.3
		34018517	142x450x1¼"	11.3
		34018518	142x500xPIXIE	11.3
		34017778	152x450x1¼"	11.3
		34018519	152x500xPIXIE	11.3
		34018520	162x450x1¼"	11.3
		34018521	162x500xPIXIE	11.3
		34018523	172x450x1¼"	11.3
		34018524	172x500xPIXIE	11.3
		34018525	182x450x1¼"	11.3
		34018526	182x500xPIXIE	11.3
		34018527	186x500xPIXIE	11.3
		34018528	192x450x1¼"	11.3
		34017779	202x450x1¼"	11.3
		34018529	202x500xPIXIE	11.3
		34018530	212x450x1¼"	11.3
		34018531	226x500xPIXIE	11.3
		34018533	250x450x1¼"	11.3
		34018534	250x500xPIXIE	11.3

● = *low*

PREMIUM

Wet drill bits

CDL***-C2 | 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 new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL1	34018536	82x500xPIXIE	11,3
	34018537	82x450x11/4"	11,3
	34018538	92x500xPIXIE	11,3
	34018539	102x500xPIXIE	11,3
	34018540	102x450x11/4"	11,3
	34018542	107x500xPIXIE	11,3
	34018543	112x500xPIXIE	11,3
	34018544	122x500xPIXIE	11,3
	34018545	122x450x11/4"	11,3
	34018546	127x500xPIXIE	11,3
	34018547	132x500xPIXIE	11,3
	34018548	132x450x11/4"	11,3
	34018549	138x500xPIXIE	11,3
	34018550	142x500xPIXIE	11,3
	34018551	152x500xPIXIE	11,3
	34018552	152x450x11/4"	11,3
	34018553	162x500xPIXIE	11,3
	34018554	172x500xPIXIE	11,3
	34018555	182x500xPIXIE	11,3
	34018556	186x500xPIXIE	11,3
	34018557	202x500xPIXIE	11,3
	34018558	202x450x11/4"	11,3
	34018559	226x500xPIXIE	11,3
	34018560	250x500xPIXIE	11,3
	34018561	250x450x11/4"	11,3

PREMIUM

Wet drill bits

CDM*** | in TGD®-Technology (from Ø 82 mm)

Drill motors over 3 kW | medium-hard to hard concrete aggregates. Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth core removal. Segmented drill from Ø 82 mm with TGD®-Technology and new segment height of 11.3 mm. Laser welded segments up to a Ø 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL1D	606482	47x450x1¼"	8.5
	606527	52x450x1¼"	8.5
	607085	52x500xPIXIE	8.5
	606530	57x450x1¼"	8.5
	606485	62x450x1¼"	8.5
	607086	62x500xPIXIE	8.5

● = *low* ● = *medium*

▶

◀



	Type no.	Dimension	Segment height
	606536	67x450x1¼"	8.5
	606541	72x450x1¼"	8.5
	607087	72x500xPIXIE	8.5
HOHL1	34018562	82x450x1¼"	11.3
	34018563	82x500xPIXIE	11.3
	34018564	92x450x1¼"	11.3
	34018565	92x500xPIXIE	11.3
	34018566	102x450x1¼"	11.3
	34018567	102x500xPIXIE	11.3
	34018568	107x450x1¼"	11.3
	34018569	112x450x1¼"	11.3
	34018570	112x500xPIXIE	11.3
	34018571	117x450x1¼"	11.3
	34018572	122x450x1¼"	11.3
	34018573	122x500xPIXIE	11.3
	34018574	125x450x1¼"	11.3
	34018575	127x450x1¼"	11.3
	34018576	132x450x1¼"	11.3
	34018577	132x500xPIXIE	11.3
	34018578	138x500xPIXIE	11.3
	34018579	142x450x1¼"	11.3
	34018581	142x500xPIXIE	11.3
	34018584	152x450x1¼"	11.3
	34018585	152x500xPIXIE	11.3
	34018587	162x450x1¼"	11.3
	34018588	162x500xPIXIE	11.3
	34018589	172x450x1¼"	11.3
	34018590	172x500xPIXIE	11.3
	34018601	182x450x1¼"	11.3
	34018602	182x500xPIXIE	11.3
	34018603	186x500xPIXIE	11.3
	34018604	193x450x1¼"	11.3
	34018605	202x450x1¼"	11.3
	34018606	202x500xPIXIE	11.3
	34018607	212x450x1¼"	11.3
	34018608	225x450x1¼"	11.3
	34018609	226x500xPIXIE	11.3
	34018610	250x450x1¼"	11.3
	34018611	250x500xPIXIE	11.3
	711343	300x450x1¼"	11.3
	711344	350x450x1¼"	11.3
	711347	400x450x1¼"	11.3
	711348	450x450x1¼"	11.3
	711349	500x450x1¼"	11.3

★★★ PREMIUM

Wet drill bits
CDXH***

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.

New segment height of 11.3 mm for a long lifetime. Laser-welded segments up to Ø 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL1D	34167000	82x450x11/4"	11,3
	34167248	87x450x11/4"	11,3
	34167261	92x450x11/4"	11,3
	34167263	102x450x11/4"	11,3
	34167267	112x450x11/4"	11,3
	34167269	117x450x11/4"	11,3
	34167281	122x450x11/4"	11,3
	34167283	127x450x11/4"	11,3
	34167287	132x450x11/4"	11,3
	34167290	142x450x11/4"	11,3
	34167292	152x450x11/4"	11,3
	34167294	158x450x11/4"	11,3
	34167296	162x450x11/4"	11,3
	34167298	167x450x11/4"	11,3
	34167300	172x450x11/4"	11,3
	34167302	182x450x11/4"	11,3
	34167305	187x450x11/4"	11,3
	34167308	192x450x11/4"	11,3
	34167311	202x450x11/4"	11,3
	34167313	212x450x11/4"	11,3
	34167315	225x450x11/4"	11,3
	34167317	240x450x11/4"	11,3
	34167319	250x450x11/4"	11,3

★★★ PREMIUM

Wet drill bits
CDXM***

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.

New segment height of 11.3 mm for a long lifetime. Laser-welded segments up to Ø 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL1D	34167814	82x450x11/4"	11,3
	34167816	87x450x11/4"	11,3
	34167819	92x450x11/4"	11,3
	34167831	102x450x11/4"	11,3
	34167835	112x450x11/4"	11,3
	34167837	117x450x11/4"	11,3

▶

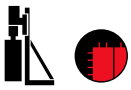
● = *medium* ● = *high*

◀

		Type no.	Dimension	Segment height
	HOHL1D	34167839	122x450x11/4"	11,3
		34167841	127x450x11/4"	11,3
		34167843	132x450x11/4"	11,3
		34167845	142x450x11/4"	11,3
		34167847	152x450x11/4"	11,3
		34167849	158x450x11/4"	11,3
		34167851	162x450x11/4"	11,3
		34167853	167x450x11/4"	11,3
		34167855	172x450x11/4"	11,3
		34167857	182x450x11/4"	11,3
		34167859	187x450x11/4"	11,3
		34167861	192x450x11/4"	11,3
		34167863	202x450x11/4"	11,3
		34167865	212x450x11/4"	11,3
		34167867	225x450x11/4"	11,3
		34167869	240x450x11/4"	11,3
		34167873	250x450x11/4"	11,3

★★★ PREMIUM

Wet drill bits
CD840***



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

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

		Type no.	Dimension	Segment height
	HOHL1D	34235150	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*

Wet drill bits
CD840***

★★★ PREMIUM



	Type no.	Dimension	Segment height
HOHL1D	34240000	250x450x1¼"	11.3
	34240001	300x450x1¼"	11.3
	34240003	350x450x1¼"	11.3
	34240004	400x450x1¼"	11.3
	34240005	450x450x1¼"	11.3
	34240006	500x450x1¼"	11.3

Wet drill bits
CD640***

★★★ PREMIUM

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

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



	Type no.	Dimension	Segment height
HOHL1D	34239204	47x450x1¼"	11.3
	34235195	52x450x1¼"	11.3
	34239032	57x450x1¼"	11.3
	34239056	62x450x1¼"	11.3
	34235196	67x450x1¼"	11.3
	34239057	72x450x1¼"	11.3
	34235197	75x450x1¼"	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
	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
	34239992	250x450x1¼"	11.3
	34239993	300x450x1¼"	11.3

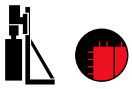
● = *medium*

◀

		Type no.	Dimension	Segment height
	HOHL1D	34239994	350x450x1¼"	11.3
		34239995	400x450x1¼"	11.3
		34239996	450x450x1¼"	11.3
		34239997	500x450x1¼"	11.3

★★★ PREMIUM

Wet drill bits
CD660***



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

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

		Type no.	Dimension	Segment height
	HOHL1D	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

● = *low*

★★ STANDARD

Wet drill bits
CDL**

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

Laser welded segments up to a diameter of 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL3	475019	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
	34292831	152x450x1¼"	11.3
	34292832	162x450x1¼"	11.3
	34292833	182x450x1¼"	11.3
	34292834	202x450x1¼"	11.3
	34292835	250x450x1¼"	11.3

★★ STANDARD

Wet drill bits
CDM**

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

Laser welded segments up to a diameter of 250 mm for maximum safety.



	Type no.	Dimension	Segment height
HOHL1D	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

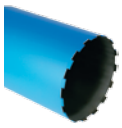
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		Type no.	Dimension	Segment height
	HOHL1D	34293125	127x450x1¼"	11.3
		34293129	132x450x1¼"	11.3
		34293132	152x450x1¼"	11.3
		34293137	162x450x1¼"	11.3
		34293139	182x450x1¼"	11.3
		34293140	202x450x1¼"	11.3
		34293149	250x450x1¼"	11.3
		34292830	142x450x1¼"	11.3
		34334960	300x450x1¼"	11.3

★★ STANDARD

Wet drill bits
CDM** thin-walled

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

		Type no.	Dimension	Segment height
	HOHL2	495674	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
		495837	141x400xR½"	7
		495838	151x400xR½"	7
		495841	161x400xR½"	7
		495842	171x400xR½"	7
		495843	181x400xR½"	7
		495844	191x400xR½"	7
		495845	201x400xR½"	7

● = *medium*

★ BASIC

Wet drill bits
B1*

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

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

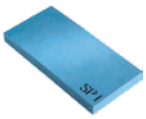
		Type no.	Dimension	Segment height
	HOHL1D	34239241	47x450x1¼"	11,3
		34239244	52x450x1¼"	11,3
		34239245	57x450x1¼"	11,3
		34206245	62x450x1¼"	11,3
		34206246	67x450x1¼"	11,3
		34239181	72x450x1¼"	11,3
		34206248	77x450x1¼"	11,3
		34206249	82x450x1¼"	11,3
		34239183	92x450x1¼"	11,3
		34203877	102x450x1¼"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

● = *low*

Accessories wet drill bits
Adapter

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

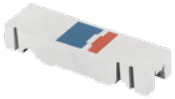
Accessories wet drill bits
Sharpening plates

		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	400439	100	R½"
	378198	100	1¼"
	359475	200	R½"
	359471	200	1¼"
	359476	300	R½"
	359472	300	1¼"
	889232	400	R½"
	359473	400	1¼"
	707230	500	R½"
	359474	500	1¼"

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
in reinforced concrete

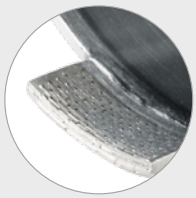
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The brand new TYROLIT dry drilling system is the first commercial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

One of a kind

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

TYROLIT dry drill bits
in TGD® Technology

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



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

TGD® TYROLIT GRAIN DISTRIBUTION



★★★
PREMIUM

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 ½" > M16
10994032	Adapter 1 ¼" > 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

★★★
PREMIUM

Dry drill bits

DDL***-RM | in TGD®-Technology

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



+ **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.

★★★
PREMIUM

Dry drill bits

DDL*-RM | 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
	34210273	82x450x1¼"	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

★★★ PREMIUM

Dry drill bits

DDL***-HH | in TGD®-Technology

The newly developed PREMIUM*** dry drill bit for hand-guided drilling impresses in many respects. With TGD®-Technology (TYROLIT GRAIN DISTRIBUTON), 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
	34074214	82x250x1¼"	8
	34074215	92x250x1¼"	8
	34074216	102x250x1¼"	8
	34074217	107x250x1¼"	8
	34074218	112x250x1¼"	8
	34074219	122x250x1¼"	8
	34074220	127x250x1¼"	8
	34074221	132x250x1¼"	8
	34074223	142x250x1¼"	8
	34074224	152x250x1¼"	8
	34074225	161x250x1¼"	8

★★★ PREMIUM

Dry drill bits

DDL***

The PREMIUM*** dry core bit has many highlights. Thanks to the patented production method of the only 3 mm wide segments, a significant weight reduction that allows a short drilling time with less pressure and dust can be granted.



	Type no.	Dimension	Segment height
HOHLT	597949	67x70xM16	9
	597950	81x70xM16	9
	479949	51x150xM16	9
	532197	55x150xM16	9
	499798	61x150xM16	9
	499802	67x150xM16	9
	532198	71x150xM16	9
	475894	81x150xM16	9
	532200	91x150xM16	9
	499803	101x150xM16	9
	532201	106x150xM16	9
	532202	111x150xM16	9
	532204	116x150xM16	9

▶

Dry drill bits
DDL***

★★★ PREMIUM

		Type no.	Dimension	Segment height
	HOHLT	553205	121x150xM16	9
		499804	126x150xM16	9
		532206	131x150xM16	9
		532207	141x150xM16	9
		532208	151x150xM16	9

Dry drill bits
DDE* | in TGD®-Technology**

★★★ PREMIUM

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

Dry drill bits
DDL**

★★ STANDARD

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
		252920	117x150xM16	6.5
		252921	127x150xM16	6.5
		252923	162x150xM16	6.5
		252924	200x150xM16	6.5

★ BASIC

Dry drill bits
DDL*

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

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

Dry drill bits accessories
Connections for all common machines

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

	Type no.	Machine connection	Pilot drills / Centering spikes
	850026	⅝"	Pilot drill SDS
	850011	HEX SW12	Pilot drill SDS
	116264	HEX SW12	Pilot drill Konus
	707827	HEX SW12	Centering spike 120/233 mm
	707831	SDS	Centering spike 120/233 mm
	707834	M18x2.5	Centering spike 120/233 mm
	707824	⅝"	Centering spike 120/233 mm
	762471	HEX SW12	Pilot drill SDS
	762477	⅝" M16	Pilot drill SDS

Dry drill bits accessories
Compact universal dust extraction system



Dust extraction adapter compatible with all drilling diameters.

	Type no.	Description	Product info
	10983845	Centering spike 140 mm	BASIC* core drill PREMIUM*** core drill NL 70 mm
	10986189	Centering spike 233 mm	Core drill NL 150 mm
	10986190	Strap wrench	To remove the drill bit from the adaptor
	10983964	Dust extraction adaptor with M16 connection	For attaching an industrial vacuum cleaner

Dry drill bits accessories
Centring aids



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

	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

Tile drilling



★★★
PREMIUM

Tile drills

DDT***

+ **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.

★★★
PREMIUM

Tile drills
DDT***

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

★★★ PREMIUM

Tile drills
DDT*

		Type number	Dimension	Segment height
	HOHLT	34251679	6x35xM14	10
		34251680	8x35xM14	10
		34251711	10x35xM14	10
		34251712	12x35xM14	10
		69769	20x45xM14	4
		34214903	25x45xM14	4
		34214904	35x45xM14	4
		69768	38x45xM14	4
		34214905	42x45xM14	4
		69767	52x45xM14	4
		34369203	54x45xM14	4
		34375403	57x45xM14	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

★★★ PREMIUM

Tile drill-set HEX Ø 5–14
DDT*

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

★★★ PREMIUM

Tile drill-Kit HEX

DDT*

	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

Tile drill-set M14 Ø 20+

DDT*

		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

Tile drill-set M14

DDT*

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

★★★ PREMIUM

Tile drill-set XL

DDT*

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

Core drill systems



Selecting guide
for core drill systems

	Power in kW	Application	Drill diameter range in mm		Drill rig recommendation
 DME19DP***	1,8		52	162	 DRU160***
 DME22SU**	2,2		20	180	 DRA150**
 DME20PU***	2,0		15	180	 DRU160***
 DME20PW***	2,0		15	180	 DRU160***
 DRS162**	2,5		40	160	Integrated
 DME24MW***, DME24UW***	2,2		40	250	 DRU250***  DRA250***

wet dry also handheld

Accessories

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

▶

● *available / suitable*

◀

	Power in kW	Application	Drill diameter range in mm	Drill rig recommendation
 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	 Vakuum fixing	 Fastening bolt assembly	 Quick grip device	 Celling prop	 Watertank	 Water retention ring	 Extension	 ModulDrill™-distance plate	 Antifriction-Element	 Trolley chassis
			●	●	●	●	●	●	●	●	●	●
				●	●	●	●	●	●	●	●	●
				●	●	●	●		●	●	●	●
				●			●		●	●		●

● *available / suitable*

★★★
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 accelarates 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.	10988300	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
10986190	Strap wrench
497322	Sharpening plate
980304	Chisel 300 x 25 mm
34215616	Abrasive grain for dry drilling

★★
STANDARD

Drill motor DME22SU**

Core drilling up to Ø 180 mm





Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

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

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

System & Accessories

Technical data

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

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

System & Accessories

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

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

★★★
PREMIUM

Drill motors
DME20PW*** | DME20PU***

Core drilling up to Ø 180 mm

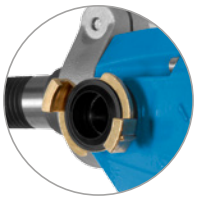




Performance and service indicator as well as levelling aid



Compact and ergonomic design



Quick changeover between wet and dry drilling with DME20PU***

The DME20*** drill motor provides impressive drilling performance in the power range up to 2 kW. The mechanical and electronic overload cut-out and the full metal housing ensure high reliability. Built-in performance and service indicators, as well as the levelling aid, also enable easy operation. The drill motor is suitable for universal use and covers a wide variety of application areas: manual/drill-rig guided and wet/dry (DME20PU***).

System & Accessories

Technical data

Drill motors	DME20PW***		DME20PU***	
Voltage / Frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz
Type no.	10992077	10992078	10992079	10992080
Drill diameter range	15–180 mm			
Nominal power	2.0 kW			
Nominal current	9.5 A	18 A	9.5 A	18 A
Load speed	520/1 400/2 900 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 / dry	
Electric overload cut-out	•			
Mechanical overload cut-out	•			
PRCD protection switch	•			
Performance indicator	•			
Service indicator	•			
Drill rig attachment	Clamping collar 60 mm			

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

System & Accessories

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

Accessories

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

★★★
PREMIUM

Drill motors DME24MW*** | DME24UW***

Core drilling up to Ø 250 mm





Especially compact and light



Performance and service indicator, as well as levelling aid



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

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

System & Accessories

Technical data

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

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

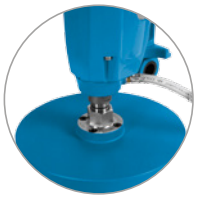
400439	Extension ½" 100 mm
359475	Extension ½" 200 mm
359476	Extension ½" 300 mm
889232	Extension ½" 400 mm
378198	Extension 1 ¼" 100 mm
359471	Extension 1 ¼" 200 mm
359472	Extension 1 ¼" 300 mm
359473	Extension 1 ¼" 400 mm
359474	Extension 1 ¼" 500 mm
963339	Anti-friction element 1 ¼", max. 2.4 kW
974984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

★★★
PREMIUM

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 antifriction-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	•
Electrical overload cut-out	•
Drill-rig attachment	Universal plate

Dimensions & Weight	
Length	580 mm
Width	149 mm
Height	169 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 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

★★★
PREMIUM

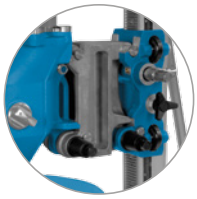
Modular electric drilling gearbox DGB1000***

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 ModulDrill™ 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 transmisasion 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.

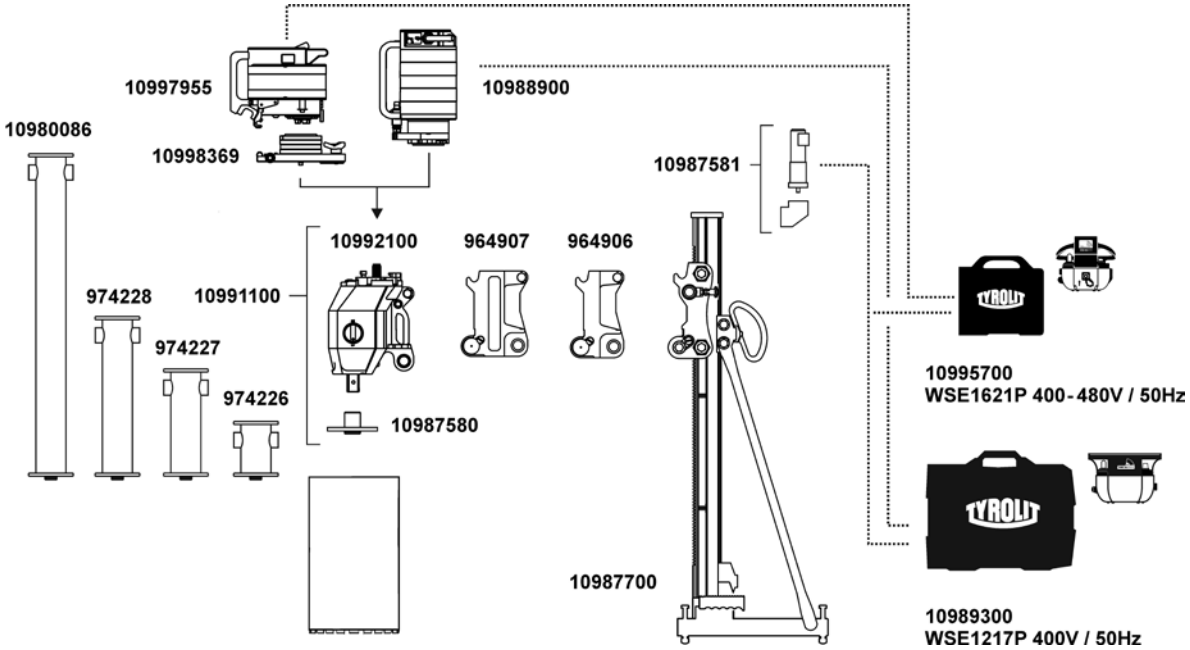
Technical data

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

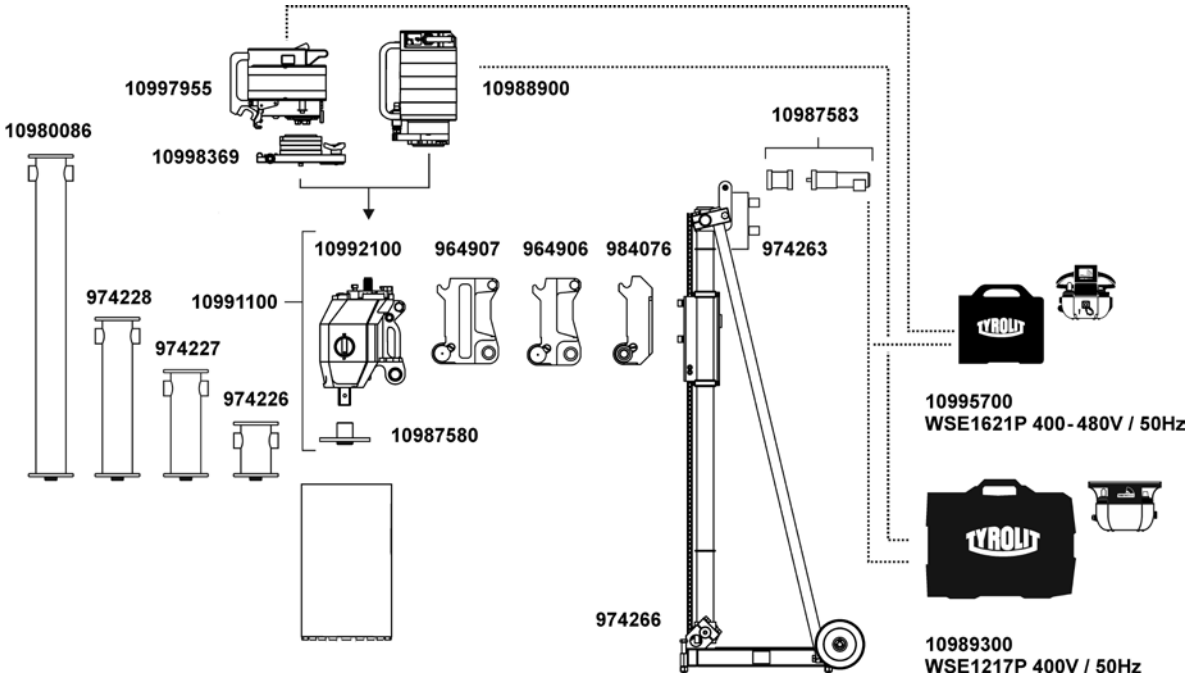
Dimentions & weight	
Length	338 mm
Width	213 mm
Height	226 mm
Weight	15.7 kg

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

★★★
PREMIUM

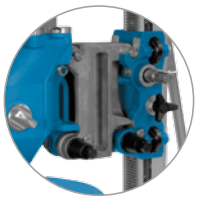
Modular hydraulic drilling gearbox DGB1000***

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 ModulDrill™ 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.

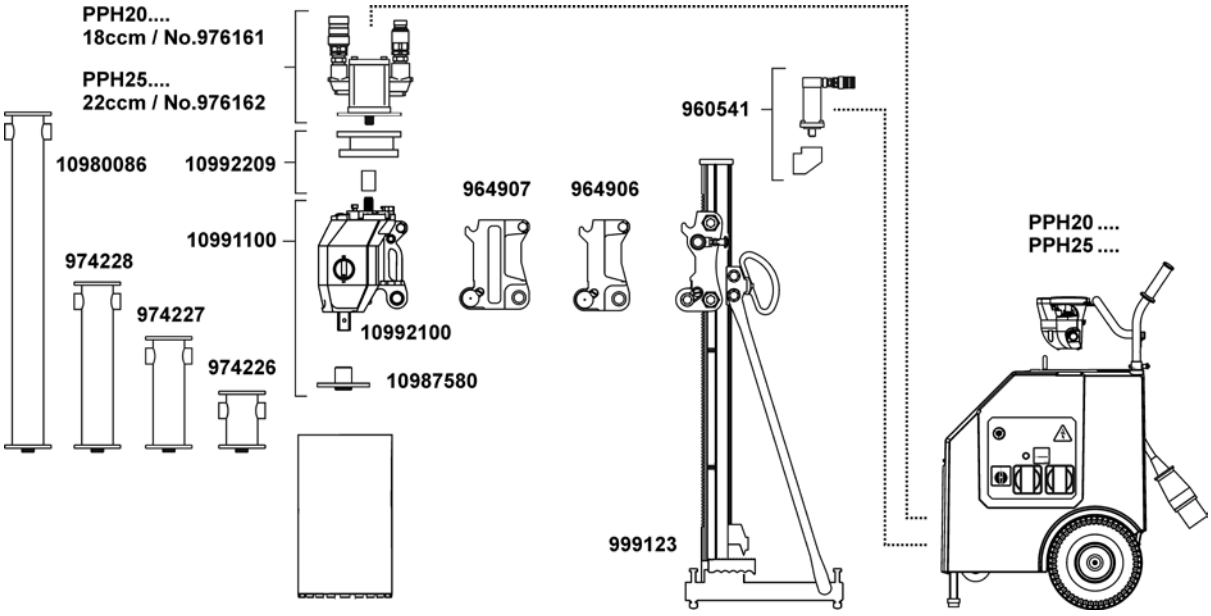
Technical data

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

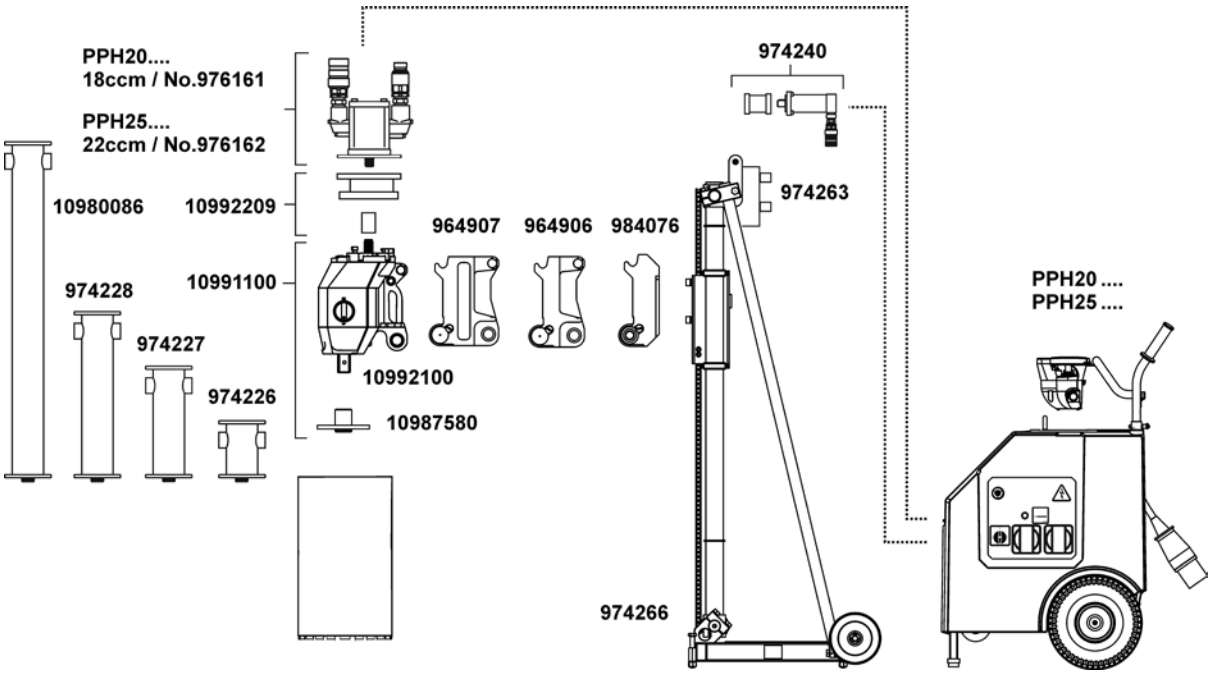
Design
2-stage gearbox
Special large hole flange
ModulDrill™ quick change clamping system

Dimentions & 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

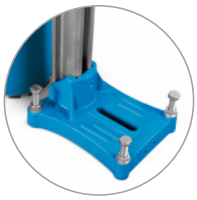




Powerful 2.5 kW Motor



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 assambly

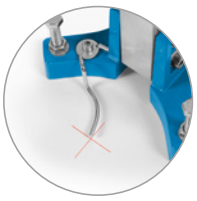
Accessories	
974270	Extraction device for core bits
977353	Extraction device for cores
10991465	Water tank 10 l
10993961	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose complete 3 m

★★
STANDARD

Drill rig DRA150**

Core drilling up to Ø 152 mm

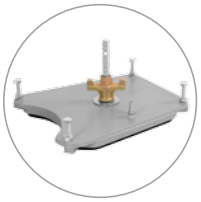




Integrated centre indicator



Compact dowel foot



Optional vacuum plate

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

System & Accessories

Technical data

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

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

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

System & Accessories

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

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

★★★
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

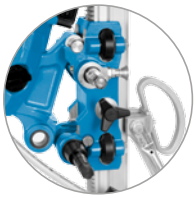
Accessories	
976014	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (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 colle-cting ring		200 mm
Max. drill bit length	600 mm	582 mm

Design

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

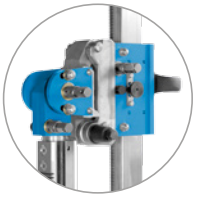
960795	Vacuum set
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vacuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device, 1.7–3.1 m
977448	Clamp for quick grip device, 1.7–3.1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening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

★★★
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 Ø +180 mm

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

★★★
PREMIUM

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°–45°
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 Ø +180 mm
977464	ModulDrill™ mounting plate
10988898	Water retention ring complete Ø 250 mm
977438	Water retention ring holder complete
977447	Gasket Ø 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 Ø +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 Ø +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

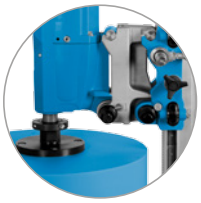




Drilling column extensions from 230 to 910 mm



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



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

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°–45°
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 Ø +250 mm
977619	Fastening bolt assembly

Accessories	
974225	Vacuum plate complete
984035	Vacuum pump CV 45 l/min, 0.8 bar EU
975372	Vakuum pump CV 45 l/min, 0.8 bar CH
975381	Vacuum hose complete 3 m
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 Ø +180 mm
964907	ModulDrill™ distance plate Ø +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°–45°
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 Ø +180 mm
964907	ModulDrill™ distance plate Ø +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*

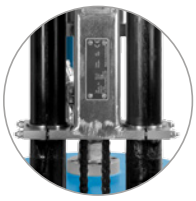
** PRV = Pressure control valve*

★★★
PREMIUM

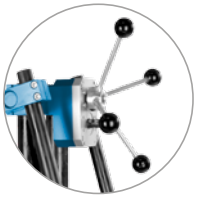
Core drilling system BC-2 electric

Core drilling up to Ø 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 Ø +180 mm
964907	ModulDrill™ distance plate Ø +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

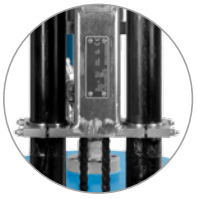
Core drilling system BC-2	
974266	Drill rig BC-2
984076	Fastening plate for ModulDrill™
10991100	Drill gearbox DGB1000***
10998369	Drilling and circular wire saw kit WSE1621***
10997955	Electric main drive motor WSE1621*** 400–480 V / 50 Hz
974263	Feed gear 2-speed
10995700	Electric control unit WSE1621***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

★★★
PREMIUM

Core drilling system BC-2 hydraulic

Core drilling up to Ø 1 000 mm

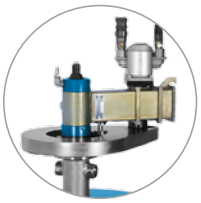




Gear reduction arms allow the drilling of bores up to 1 000 mm in diameter



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*


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Wall sawing

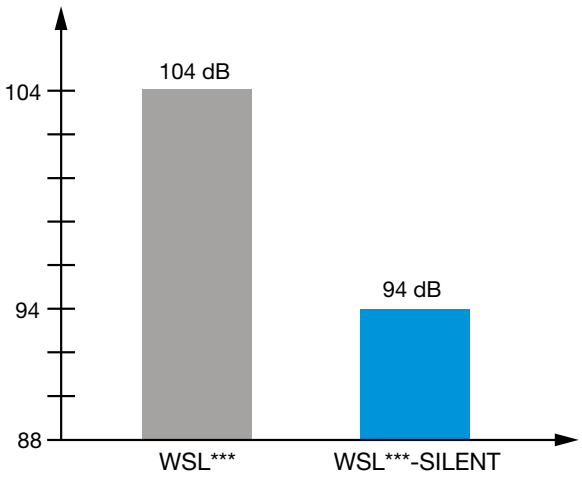
Information	90
Wall saw blades	92
Machines	98



Wall saw blades

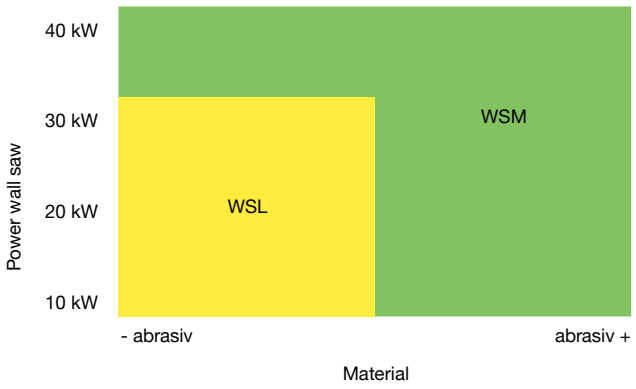
Decades of experience in the production and application of wall saw blades and machines give TYROLIT the edge in the marketplace.

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

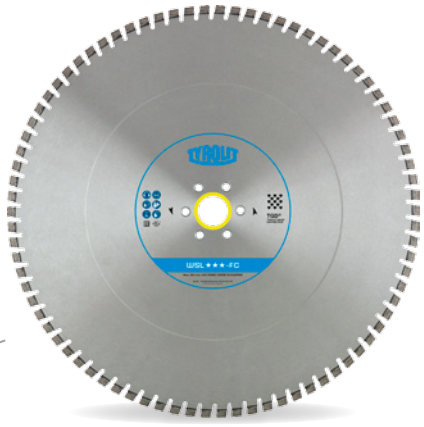
+ Highest levels of performance at peripheral speeds of 35–45 m/s on concrete
+ The correct coolant quantity is also important for optimum cutting performance
+ The machine safety and user instructions must be read and understood before starting work
+ The safety manual will be sent to you on request

★★★
PREMIUM

Wall saw blades

WSL***-FC | 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.

★★★
PREMIUM

Wall saw blades

WSL*-FC | in TGD®-Technology**

	Shape	Type number	Dimension	Drive holes	Segment height
	 C7W	34336798	600x4.9x60	6M199	13
		34378038	650x4.4x60	6M199	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
		34251153	825x4.9x60	12M109	13
		34275702	1025x4.4x60	12M109	13
		34275703	1025x4.9x60	12M109	13

*6M199: for TYROLIT wall saw head WSE811*** MKII*
*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)*
Turning holes for other machines available on request

● = low ● = medium

★★★ PREMIUM

Wall saw blades

WSL*-FC-LL | 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
	34336695	650x4.4.9x60	6M207	13
	34336698	800x4.9x60	6M207	13
	34251129	825x4.4x60	12M109	13
	34251130	825x4.9x60	12M109	13
	34318433	925x4.4x60	12M109	13
	34275706	1025x4.4x60	12M109	13

★★★ PREMIUM

Wall saw blades

WSL* | 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	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
	34018278	700x4.4x60	12M112	13
	34018268	750x3.9x60	12M109	13
	34018269	750x3.9x60	6M199	13
	34195304	750x4.4x60	6 M199	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

▶

PREMIUM

Wall saw blades
WSL*** | 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

PREMIUM

Wall saw blades
WSL***-SILENT | 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

*6M199: for TYROLIT wall saw head WSE811*** MKII*
*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)*
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

★★★ PREMIUM

Wall saw blades

WSM* | 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
			34018246	825x4.9x60	12M109	13
			34018249	925x4.4x60	12M109	13
			34018250	1000x4.4x60	12M109	13
			34018251	1000x4.4x60	12M112	13
			34018252	1025x4.4x60	12M109	13
			34018248	1025x4.9x60	12M109	13
			34018254	1200x4.4x60	12M109	13
			34018255	1200x4.4x60	12M112	13

★★ STANDARD

Wall saw blades
WSL** | 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	34017386	600x3.9x60	12M112	13
			34017388	600x4.4x60	12M109	13
			34017389	600x4.4x60	12M112	13
			34017401	600x4.9x60	12M109	13
			34017402	600x4.9x60	12M112	13
			34195305	650x3.9x60	6M199	13
			34195307	650x4.4x60	6M199	13
			34017403	650x4.9x60	12M109	13
			34017404	750x3.9x60	6M199	13
			34195308	750x4.4x60	6M199	13
			34017406	800x4.4x60	12M112	13
			34017407	825x3.9x60	12M109	13
			102766	825x4.4x60	12M109	13
			34017408	825x4.4x60	12M112	13
			183957	825x4.9x60	12M109	13
			34017410	825x4.9x60	12M112	13
			34017411	925x4.4x60	12M109	13
			34017412	1000x4.4x60	12M112	13
			34017413	1025x4.4x60	12M109	13
			34017414	1025x4.4x60	12M112	13
			34017415	1200x4.4x60	12M109	13
			34017416	1200x4.4x60	12M112	13

★★ STANDARD

Wall saw blades
WSM** | 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
			34017422	650x4.9x60	12M112	13
			34017423	750x4.4x60	12M109	13

*6M199: for TYROLIT wall saw head WSE811*** MKII*
*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)*
Turning holes for other machines available on request

▶

● *= low* ● *= medium*

◀

	Shape		Type number	Dimension	Drive holes	Segment height
		C7W	34017424	750x4.4x60	12M112	13
			34017426	825x4.4x60	12M109	13
			34017428	825x4.4x60	12M112	13
			34017430	825x4.9x60	12M109	13
			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
			34017436	1025x4.9x60	12M109	13
			34017437	1200x4.4x60	12M109	13
			34017438	1200x4.4x60	12M112	13

★★★ PREMIUM

Wall saw blades

WSL*-Deep Cut | 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	34379347	825x6.4x60	12M109	13
			34379348	825x5.9x60	12M109	13
			34379349	1025x5.4x60	12M109	13
			34379350	1200x5.4x60	12M109	13
			34362797	1200x4.9x60	12M109	13
		C4	34379300	1500x4.4x60	12M109	10
			34379257	1600x4.4x60	12M109	10
			34379258	1800x4.4x60	12M109	10
			34379341	2000x4.4x60	12M109	10
			34379342	2200x4.4x60	12M109	10

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		●**	●	●	●
10996700	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*

				
999039 Wall saw FZ-4S	10989700 Wire saw WCE14***	10982500 Circular wire saw CCE25***	10994900 Wire saw SB-E	10991100 Modular drilling gearbox DGB1000 kpl
		●		●
		●		●
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★★★
PREMIUM

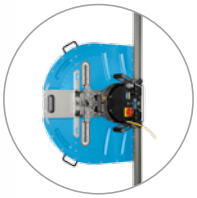
Wall saw WSE811*** MKII

Cutting depths up to 335 mm





Compact,
fully integrated design



Light and sturdy:
Tracks and blade guard



Handy radio remote control

The world's lightest wall saw in its performance class! The WSE811*** MKII is the worldwide lightest wall saw in its power range! Both installationand dislocation 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	
Nominal power	11 kW
Motor power	9 kW
Voltage	400 V
Frequency	50/60 Hz

Weight	
Wall saw WSE811*** MKII	26 kg
Blade guard WSE811*** MKII AIO 825 mm	14 kg
Track EX 1 100 mm	6.3 kg
Track EX 2 200 mm	12.6 kg
Transport trolley WSE811*** MKII	14.5 kg

System & Accessories

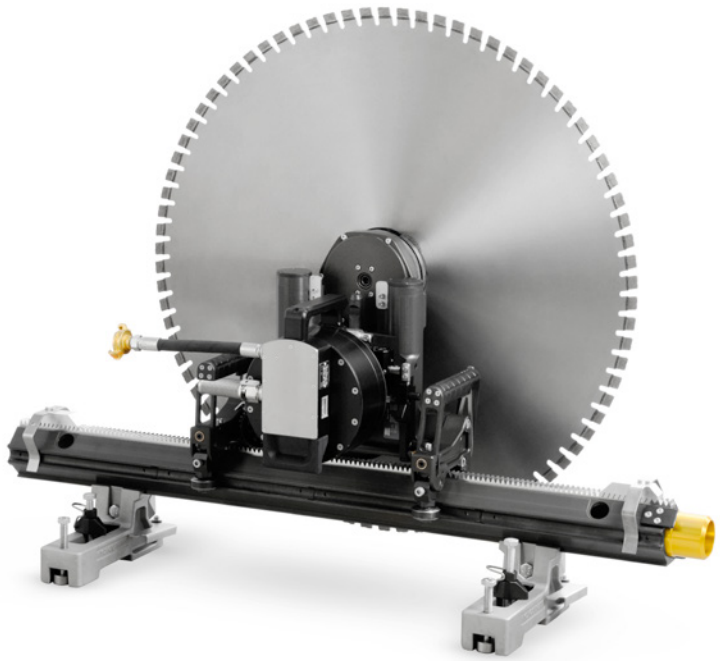
Wall saw system WSE811* MKII**	
10995000	Wall saw WSE811*** MKII
10978640	Track EX 1 100 mm
10978879	Track EX 2 200 mm
10980156	Rotary rail support EX
10980156	Rotary rail support EX
10980156	Rotary rail support EX
10994800	Blade guard WSE811*** MKII AIO 825 mm
10998781	Transport trolley WSE811*** MKII

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

★★★
PREMIUM

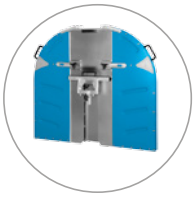
Wall saw WSE1621***

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, resulting in reduced service costs.
Apart from wall sawing, this wall saw's motor and control unit can moreover 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 and control unit	
Water-cooled high-frequency motor	
Nominal power (32 A)	20 kW
Motor power 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***	14.3 kg
Electric control unit WSE1621***	10.9 kg
Radio remote control WSE1621***	1.8 kg
Blade guard WSE1621*** AIO 1 000 mm	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***
10996700	Blade guard Ø 1 000 mm AIO WSE1621***
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 Ø 800 AIO Linear
10992900	Blade guard Ø 1 200 AIO Linear
977606	Blade guard Ø 1 600 mm 2 pcs.
10998282	Blade guard holder 1 600 mm
961983	V-Swivel track feet
10977452	V-Rotary rail support compl.

★★★
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	
Spannung	400 V / 50 Hz
Frequenz	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

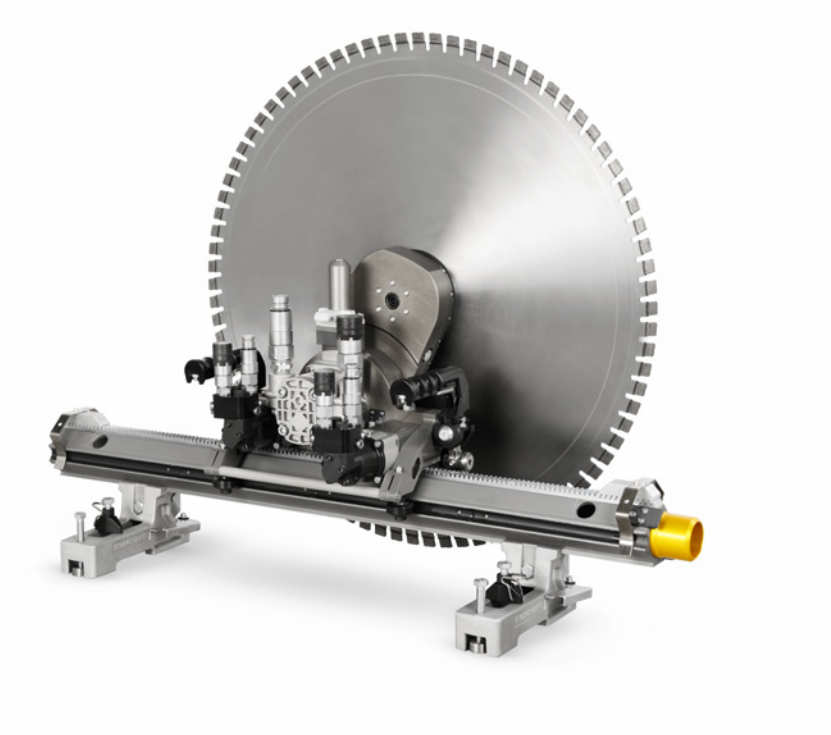
Wall saw system DZ-S2	
10984000	Wall saw DZ-S2 without motor
976162	Motor complete B/S 22 ccm / FD
10984100	Blade guard 1 000 mm 3 pcs. AIO
10982079	VAS G Track | 1 100 mm | alu
10981818	VAS G Track | 2 200 mm | alu
965987	V-Track feet alu, flat
965987	V-Track feet alu, flat
965987	V-Track feet alu,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

Cutting depths up to 710 mm

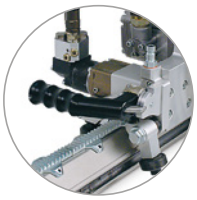




Wall saw head constructed from high-strength aluminium base alloy, gear swivel arm and roller guides



Gear swivel arm with quick separation flange mounting



Wall saw head can be mounted quickly and easily

Use of the quick-separation flange on the swivel arm provides simple, fast blade replacement and facilitates use in flush cutting applications. Innovative feed motors ensure fast cutting. With the WZ in conjunction with hydraulic drives with outputs of up to 25 kW, blade diameters of up to maximum 1 600 mm can be used.

System & Accessories

Technical data

Saw blade	
Max. cutting depth	710 mm
Max. saw blade Ø	1 600 mm
Free detachable up to Ø	825 mm
Blade flange mounting	Quick-release flange
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 gear wheel
Carriage guided by rollers

Weight	
incl. drive motor and 2 feed motors	29 kg
with 2 feed motors only	24 kg

System & Accessories

Wall saw system WZ	
10982000	Wall saw WZ
10977627	Motor complete WZ 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
977495	Pressure relief valve FD
10977996	Tool box

Accessories	
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.
977334	Blade guard holder 2 pcs. for bolt

Hydraulic drive motors – size 2	
10977625	Motor complete WZ 16 ccm / FD
10977626	Motor complete WZ 18 ccm / FD
10977627	Motor complete WZ 22 ccm / FD
10977628	Motor complete WZ 26 ccm / FD
10978079	Motor complete WZ 30 ccm / FD
976163	Motor complete B/S 30 ccm / FD
973892	Quick-change set for motors size 2
965987	V-Track feet alu, flat
961983	V-Swivel track feet
10977452	V-Rotrary rail support compl.

Wall saw FZ-4S

Cutting depths up to 1 005 mm





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 Bronce 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 toothing
+ Extendable

VS

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



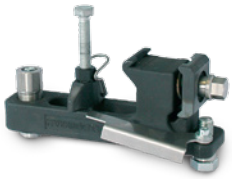
V-rotating rail trestle,
can be swivelled by 360°



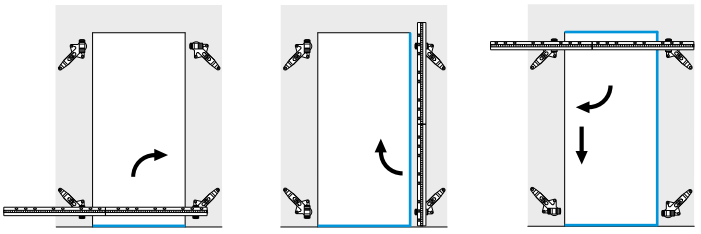
V-swivel rail trestle, 45°–135°



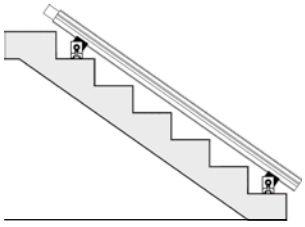
V-rail trestle, aluminium, flat



V-rail trestle, steel



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

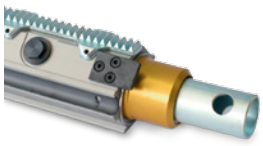


With V rotating rail support,
simple step sawing

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

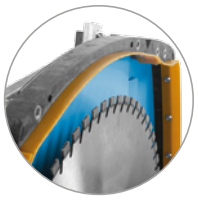
System & Accessories

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



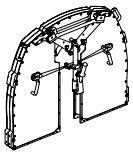
Robust swivel unit



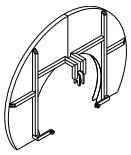
Side pcs. and middle part are connected to a functional clamping device

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



TYROLIT



Wire sawing

Information	118
Diamond saw wires	120
Accessories	122
Machines	126



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

	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		x	◑	●		◑	●	●	●	●	●	○	○
STANDARD **	DWM**-C		x	●	●	◑		◑	◑	◑	◑	◑	○	○
	DWL**-C	x		●	●	○	◑	◑						

Machine

Power		
Low	L	≤15 kW
Medium	M	15–25 kW
High	H	25–50 kW

Material

Aggregates	
Very hard	Flinz
Hard	Quartz
Medium	Granite
Soft	Limestone

Suitability

Optimal	●
Good	◑
Acceptable	○
Not suitable	

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

★★★
PREMIUM

Saw wire

DWH***-S ATEX | SL

+ **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.

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.

★★★
PREMIUM

Saw wire
DWH*-S ATEX | SL**

	Type number	Diameter	Beads/m
	34053745	11.0	46

★★★
PREMIUM

Saw wire
DWM*-S | SL**

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

★★★ PREMIUM

Saw wire
DWM***-C

Electroplated | for concrete
For everyday use.

Cost-effective solution for standard applications.

	Type number	Diameter	Beads / m
	572996	10.2	46

★★★ PREMIUM

Saw wire
DWL***-CF

Sintered | for concrete
For the most demanding applications and solutions for complex projects.

	Type number	Diameter	Beads / m
	34314947	10.7	40

★★ STANDARD

Saw wire
DWM**-C

Electroplated | for concrete
For everyday use.

Cost-effective solution for standard applications.

	Type number	Diameter	Beads / m
	603256	10	40

★★ STANDARD

Saw wire
DWL**-C

Sintered | for concrete.
For everyday use.

Cost-effective solution for standard applications.

	Type number	Diameter	Beads / m
	34027606	10.5	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

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

		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 ficture
		148130	2.5 Spare bolt

Saw wire accessories

A60Q-BFXA | 2in1*** Cut-off wheel for cutting the wire.

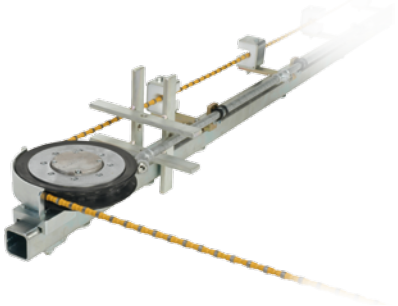
		Type number	Dimension
	41F	77966	125x1x22.23

Compatibility overview
Wire saws

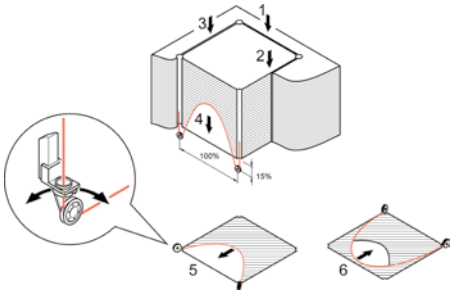
	 10998000 Wire saw WCU17***	 10989700 Wire saw WCE14***	 10982500 Circular wire saw CC25***	 10994900 Wire saw SB-E	 10990000 Wall saw WSE1621***	 10986600 Wall saw WSE2226***	 10991100 Modular drilling gearbox DGB1000 kpl
10997955 Electric main drive WSE1621***	●		●		●		●
10995700 Electric control unit 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

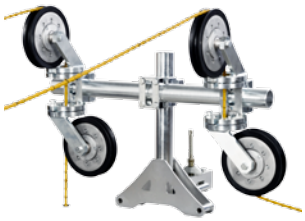


Equipment for cutting a cube out of concrete foundations



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

Diverter rolls for wire guidance



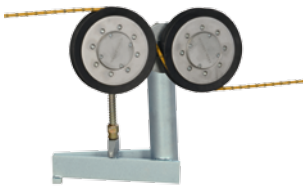
Universal support: Wire can be diverted in any direction



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

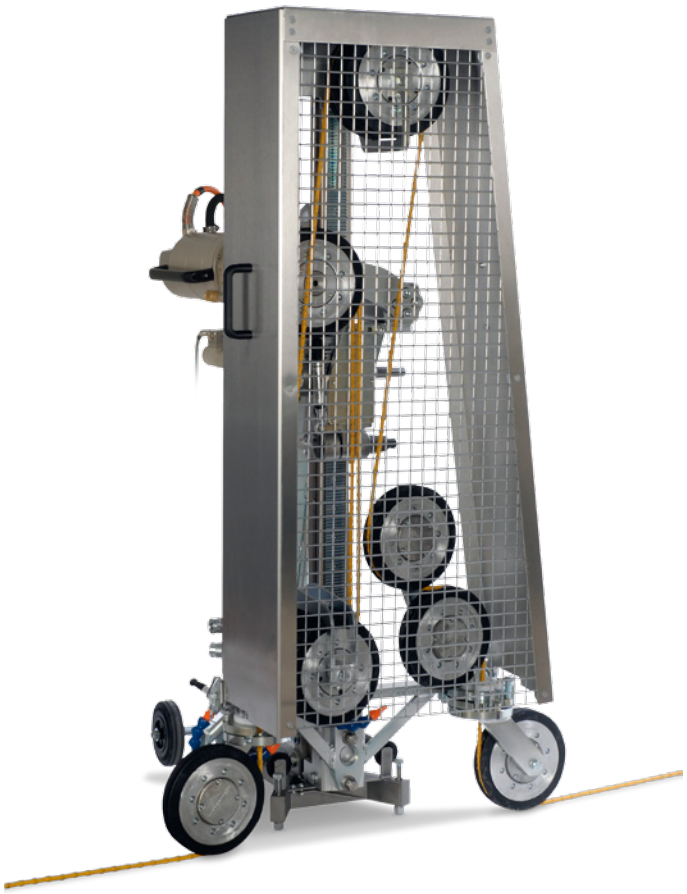
Wire saw system SK-SD**	
974266	Drill rig BC-2
977084	Wire saw kit SK-SD** excl. BC-2
976655	Motor complete S/S 8+19 ccm / FD
977597	Hydraulic feed kit SK-SD**
977592	Protection cover SK-SD**
974264	Trolley chassis
975746	Tool box

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 WCE14***

Gross wire length 14.2 m





Greatly simplified handling of the wire storage



Ultra-fine feed provides maximum freedom thanks to the new, innovative damping system



Electric main and feed motors for extremely smooth, wire-conserving sawing

The wire saw with the extra large wire store and long stroke for maximum utilisation and application for a maximum structure size of 11 m. Very finely adjustable feed with wire-conserving smooth start for optimal control of the application, also thanks to the innovative dampening system.

The saw can be placed directly on the object to be cut and can be converted from a drill rig into a wire saw in a matter of minutes. The expandable modular system can be driven either electrically or, via a conversion kit, hydraulically.

System & Accessories

Technical data

Wire	
Wire storage	11 m
Overall wire length	14.2 m
Wire Ø, sintered	11 mm
Wire Ø, galvanised	10 mm
Electric motor	
Power 16 A	8 kW
Power 32 A	17 kW
Control	
Voltage	400 V
Frequency	50/60 Hz
Weight	22 kg
Design	
2 drive rolls Ø 200 mm	
Diverter rolls Ø 200 mm	
Feed wire storage electric	
Dimensions & Weight	
Height	1 517 mm
Width	615 mm
Depth	798 mm
Weight without drill rig	83 kg
Weight with drill rig DRA500***	109 kg

System & Accessories

Wire saw system WCE14* **	
10987700	Drill rig DRA500***
10989700	Wire saw kit WCE14*** incl. feed motor
10988900	Electric main drive motor
10988525	Protection hood
977392	Trolley chassis
964378	Tool box
Accessories	
977392	Trolley chassis
964378	Tool box
10988555	Template WCU14***
10988525	Protection hood
977083	Water lance 2,5 m
10988901	Water distributor unit complete
10988618	Water lance 8 m
10993808	Damper lock
960575	Drive wheel lining Ø 200 mm
961901	Pulley Ø 200 mm
977613	Protective sleeve, cpl.
10988505	Swivel pulley out
10988533	Swivel pulley in
10988391	Pulley Ø 200 mm (narrow)
10988390	Pulley 11° Ø 200 mm (narrow)

★★★
PREMIUM

Wire saw WCH14***

Gross wire length 14.2 m





Up to 14 m of wire can be stored - more wire, multiple applications



Easy start-up and wire conserving thanks to the innovative damping system



Hydraulic main and feed motors for TYROLIT hydrostress drives

The wire saw with the extra large wire store and long stroke for maximum utilisation and application for a maximum structure size of 11 m. The saw can be placed directly on the object to be cut and can be converted from a drill rig into a wire saw in a matter of minutes. The expandable modular system can be driven either hydraulically or, via a conversion kit, electrically.

System & Accessories

Technical data

Wire	
Wire storage	11 m
Overall wire length	14.2 m
Wire Ø, sintered	11 mm
Wire Ø, galvanised	10 mm

Design
Hydraulic motor GR2
2 drive rolls Ø 200 mm
Diverter rolls Ø 200 mm
Feed wire storage hydraulically

Dimensions & Weight	
Height	1 517 mm
Width	615 mm
Depth	798 mm
Weight without drill rig	78 kg
Weight with drill rig DRA500***	104 kg

System & Accessories

Wire saw system WCH14* **	
10987700	Drill rig DRA500***
10984300	Wire saw kit WCH14*** incl. feed motor
976161	Motor complete B/S 18 ccm / FD
10988525	Protection hood
977392	Trolley chassis
964378	Tool box

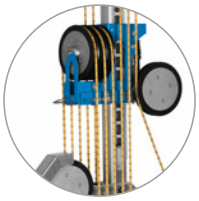
Accessories	
977392	Trolley chassis
964378	Tool box
10988555	Template WCU14***
10988525	Protection hood
977083	Water lance 2,5 m
10988618	Water lance 8 m
10988901	Water distributor unit complete
10993808	Damper lock
976160	Motor complete B/S 16 ccm / FD
976161	Motor complete B/S 18 ccm / FD
976162	Motor complete B/S 22 ccm / FD
973892	Quick-change set for motors size 2
10988496	Hydraulic feed with gearbox
960575	Drive wheel lining Ø 200 mm (75 shore)
961901	Pulley Ø 200 mm
977613	Protective sleeve, cpl.
10988505	Swivel pulley out
10988533	Swivel pulley in
10988391	Pulley Ø 200 mm (narrow)
10988390	Pulley 11° Ø 200 mm (narrow)

★★★
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-optimised 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
2 drive rolls Ø 200 mm
Diverter rolls Ø 200 mm

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

System & Accessories

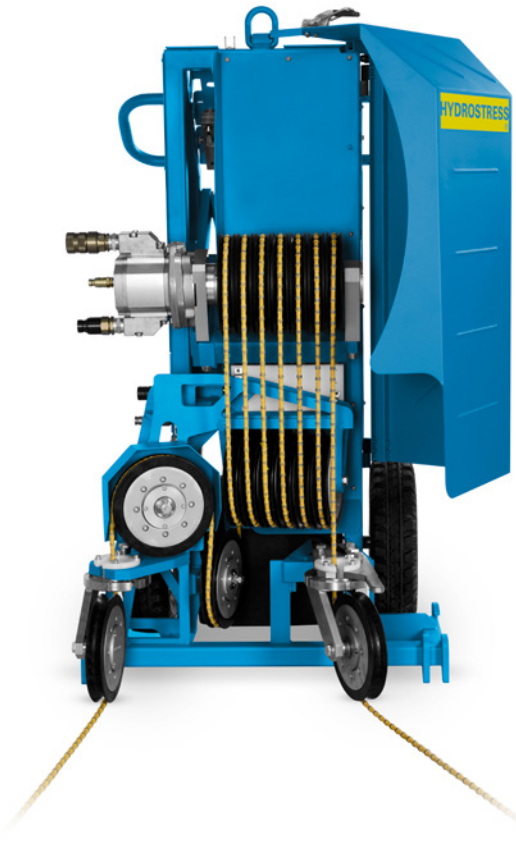
Wire saw system WCU17*** / WSE1621***	
10998000	Wire saw WCU17*** (incl. wire protection)
10997500	Motor mounting kit WSE1621***
10997955	Electric main drive WSE1621*** 400–480 V / 50 Hz
10995700	Electric control unit WSE1621*** 400–480 V / 50 Hz incl. radio remote control

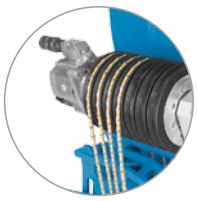
Accessories	
10997500	Motor mounting kit WSE1621***
10997000	Motor mounting kit WSE1217***
10997100	Motor mounting kit hydraulic (max. 25 kW)
10999257	Template WCU17***
10999322	Water lance 8 m Geka
973892	Quick-change set for motors size 2
976161	Motor complete B/S 18 ccm / FD
976162	Motor complete B/S 22 ccm / FD
976163	Motor complete B/S 30 ccm / FD
960575	Drive wheel lining Ø 200 mm
10997222	Pulley Ø 200 Sstandard
977954	Protective sleeve

★★★
PREMIUM

Wire saw SB*** ATEX | SB-E***

Gross wire length 15.5 m

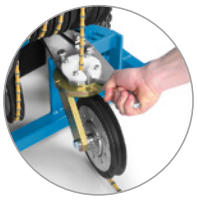




Efficient power transmission through mult-pulley drive



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	
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.
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 Ø 500–2 500 mm

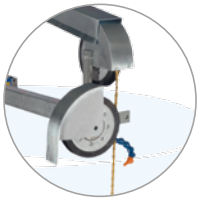




Standard hydraulic drive motor



Wire can be easily inserted and tensioned



Flexible water supply

Safe application thanks to concealed wires. Easy handling thanks to intelligent design. Hydraulic or electric drive. Suitable for additional wall saw, wire saw, circular wire saw and drilling work with modular extendable system consisting of main motor, control and remote control.

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***
10998369	Drilling and circular wire saw kit WSE1621***
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)


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Floor sawing

Information **140**

Floor saw blades **142**

For cured concrete 142

For asphalt 146

For green concrete 149

Machines **154**



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

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
FSA* **	L	L							○	○	●
FSL-A**	L/M	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					○	◑	●	◑	●

Machine

Power		
Low	L	≤15 kW
Medium	M	15–25 kW
High	H	25–50 kW
Very high	X	>50 kW

Shaft-drive	
EL	Electric
HYD	Hydraulic
B*	Petrol
D*	Diesel

Material

Aggregates	
Very hard	Flint
Hard	Quartz
Medium	Granite
Soft	Limestone

Suitability

Optimal	●
Good	◑
Acceptable	○
Not suitable	

** with V-belt drive*

Service

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

Information / Recommendations

+ Optimum application conditions / peripheral speed

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.

★★★
PREMIUM

Floor saw blade | Cured concrete

FSX***-C3 | 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).

★★★
PREMIUM

Floor saw blade | Cured concrete

FSX*-C3 | 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
		C37W	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

★★★ PREMIUM

Floor saw blade | Cured concrete

FSL*-C | in TGD®-Technology**

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

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

★★★ PREMIUM

Floor saw blade | Cured concrete

FSM*-C | in TGD®-Technology**

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

	Shape		Type number	Dimension	Driving bore	Segment height
		C77W	620572	350x3.2x25.4		10
			620573	350x3.9x25.4		10
			739750	350x3.9x35/25.4	7M174	10
			615342	450x3.9x25.4		10
			653498	450x3.9x35/25.4	7M174	10

▶

★★★ PREMIUM

Floor saw blade | Cured concrete

FSM*-C | in TGD®-Technology

	Shape	Type number	Dimension	Driving bore	Segment height
	C77W	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

★★★ PREMIUM

Floor saw blade | Cured concrete

FSH*-C | 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
	C77W	34032935	350x3.9x25.4		10
		636269	450x3.9x25.4		10
		613292	450x5x25.4		10
		631833	450x5x35/25.4	7M174	10
		652309	500x3.9x25.4		10
		661843	600x3.9x25.4		10
		613293	600x4.4x25.4		10
		613294	600x5x25.4		10
		620576	650x4.4x25.4		10
		615345	700x4.4x25.4		10
		646150	700x4.4x35/25.4	7M174	10
		613295	800x4.4x25.4		10
		621888	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	34167503	800x5x25.4		10
			615346	900x4.4x25.4		10
			615347	1000x4.4x25.4		10
			644663	1000x4.4x35/25.4	7M174	10
			34067444	1200x4.4x25.4		10

★★★ PREMIUM

Floor saw blade | Cured concrete

FSC*



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

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

	Shape		Type number	Dimension	Driving bore	Segment height
		C77W	620570	350x3.2x25.4		10
			620571	350x3.9x25.4		10
			612893	450x3.9x25.4		10
			613264	450x4.4x25.4		10
			615339	800x4.4x25.4		10
			615340	900x4.4x25.4		10
			615341	1000x4.4x25.4		10
			646183	1200x4.4x35/25.4	7M174	10

★ BASIC

Floor saw blade | Cured concrete

DCU*



Machines up to 15 kW | soft to medium-hard aggregates.
Details: All tools are laser welded.

Also suitable for petrol cutting saws

	Shape		Type number	Dimension	Driving bore	Segment height
		C77W	620570	350x3.2x25.4		10
			620571	350x3.9x25.4		10
			612893	450x3.9x25.4		10
			646183	1200x4.4x35/25.4	7M174	10

★★★
PREMIUM

Floor saw blade | Asphalt

FSL***-A

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



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

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

A 35–25.4 mm reduction bush is supplied for saw blades with a 35 mm bore. Suitable for renovation, controlled demolition and demolition of roads, highways, airports, bridges and industrial buildings. Also for removing damaged concrete ceilings and for ceiling breakthroughs up to a thickness of 50 cm. An extremely fast cutting feed, a very long service life and a low cutting pressure, which protects the machine, characterize the tools.

★★★
PREMIUM

Floor saw blade | Asphalt

FSL*-A**

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

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

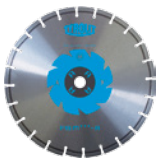
○ *= low* ● *= medium* ● *= high*

★★★ PREMIUM

Floor saw blade | Asphalt

FSM*-A**

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.



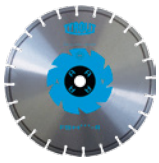
Shape		Type number	Dimension	Driving bore	Segment height
	C3SW	620533	350x3.2x25.4		9
		620536	400x3.2x35/25.4		9
		620532	450x3.6x25.4		9
		621191	450x5x25.4		9
		589737	500x3.6x25.4		9
		589734	600x3.6x25.4		9
		620528	600x4.7x25.4		9
		621192	600x5x25.4		9
	C3S	620529	700x4.7x35/25.4		9
		620530	800x4.7x35/25.4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

★★★ PREMIUM

Floor saw blade | Asphalt

FSH*-A**

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	Driving bore	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

★★★ PREMIUM

Floor saw blade | Asphalt

FSA***

Machines up to 15 kW | soft to very hard aggregates. Details: laser welded up to a diameter of 600 mm. with protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect) and measuring bore for easy wear control of the segment height.
A 35–25.4 mmreduction bush is supplied for saw blades with a 35 mm bore.



Shape	Type number	Dimension	Driving bore	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

★ BASIC

Floor saw blade | Asphalt

DCA*

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



Shape	Type number	Dimension	Driving bore	Segment height
C1SW	465650	300x2.8x25.4		10
	465652	350x3.0x25.4		10
	529402	400x3.2x25.4		10
	529403	450x3.6x25.4		10

★★★ PREMIUM

Floor saw blade | Asphalt

DCA+C*-2in1**

Machines up to 15 kW | soft to medium-hard aggregates. Materials able to be machined: Green concrete, asphalt and a small amount of cured concrete. Details: all diameters are laser welded. With protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect). Also suitable for petrol cutting saws.



Shape	Type number	Dimension	Driving bore	Segment height
C73SW	465640	300x2.6x20		10
	465642	350x3.0x25.4		10

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

= low *= medium* *= high*

★
BASIC

Floor saw blade | Asphalt

DCA+C*-2in1



Materials able to be machined: asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete.

Details: protective segments against the undercutting-effect.

	Shape		Type number	Dimension	Driving bore	Segment height
		C1SW	736309	300x2.8x20		10
			736311	300x2.8x25.4		10
			736313	350x3x20		10
			80653	350x3x25.4		10

★★★
PREMIUM

Floor saw blade | Green concrete

FSM***-G4

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



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

Expansion joints, factory floors. Machines up to 25 kW / hydr. up to 50 kW Universal | soft to very hard concrete aggregates. Details: All diameters are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone –(undercting effect). Very clean groove edges, cuts extremely quickly.

★★★ PREMIUM

Floor saw blade | Green concrete

FSM*-G4**



	Shape	Type number	Dimension	Driving bore	Segment height
	C73SW	34015812	300x2.4x25.4		13
		151540	350x2.8x25.4		13

★★★ PREMIUM

Floor saw blade | Green concrete

FSL*-G4**



Expansion joints, factory floors. Machines up to 15 kW | very hard concrete aggregates. Details: All diameters are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone – (undercutting effect). Very clean groove edges, cuts extremely quickly.

	Shape	Type number	Dimension	Driving bore	Segment height
	C73SW	151571	300x2.4x25.4		13
		34015787	350x2.8x25.4		13

★★★ PREMIUM

Floor saw blade | Green concrete

FSL*-G3**



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 – (undercctting 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

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

Floor saw blade | Green concrete

FSM*-G3**

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 – (undercting 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

★★★ PREMIUM

Floor saw blade | Green concrete

FSM*-G5**

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 – (undercting effect.) Very clean groove edges, cuts extremely quickly.



Shape		Type number	Dimension	Driving bore	Segment height
	C73SW	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 | Green concrete

Chamfer cutter

AS12 | 90° two parts | for groove widths from 8 mm.

		Type number	Dimension	Driving bore	Segment height
	FRSU-1238B	397493	280x10x25.4		5

★★★ PREMIUM

Floor saw blade | Green concrete

Chamfer cutter

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

		Type number	Dimension	Driving bore	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

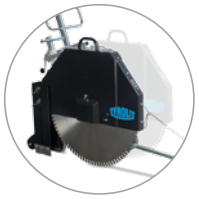
Floor saw FSE811***

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





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

Diesel particle filter and transformation set on request

★★★
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

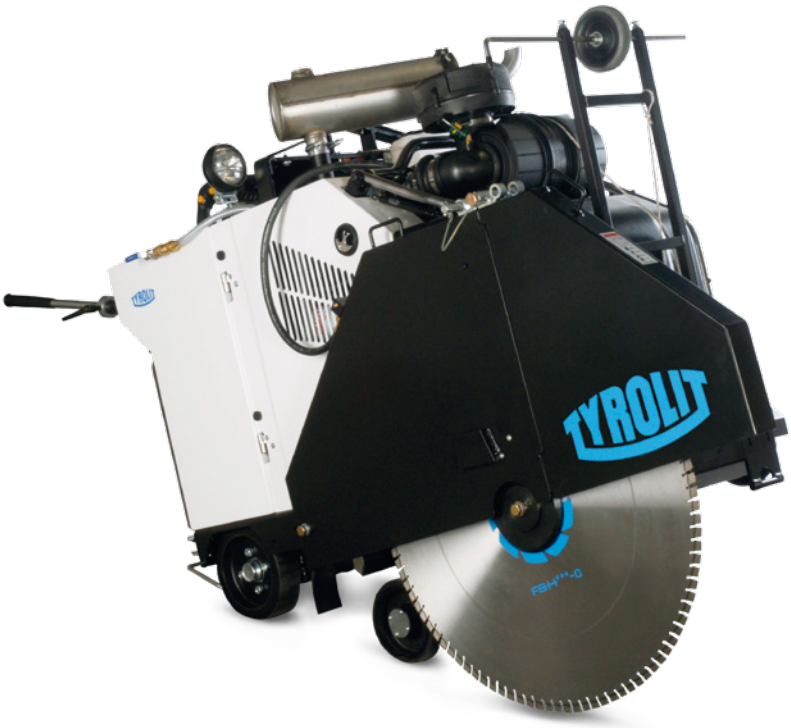
10990243	Green concrete kit with 500 mm blade guard and transformation set (2 100 1/min) Max. saw blade Ø 500 mm
10990244	900 mm blade guard and transformation set (1 165 1/min) Max. saw blade Ø 900 mm
10990245	1 200 mm blade guard and transformation set (880 1/min) Max. saw blade Ø 1 200 mm

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


TYROLIT
PUSH

Drives

Machines 172



★★
STANDARD

Drive PPH20**

Power 20 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	
Nominal power	20 kW
Motor power	15 kW

Hydraulics	
Pressure stages	2
2 feed circuits	Gear pump
Main circuit	Double gear pump

Output	
Stage 1	33 l/min at 260 bar
Stage 2	40 l/min at 210 bar

Electrical equipment	
Voltage	200/400/480 V
Frequency	50/60 Hz
Current consumption (400V / 50 Hz)	32 A

Dimensions & Weight	
Length	720 mm
Width	475 mm
Height	988 mm
Weight	140 kg

System & Accessories

Drive unit PPH20**	
10983600*	Drive unit PPH20** / 380–420 V / 50 Hz
976206	Hose package 5 pieces 8 m FD
975672	Hose package 2 pieces 8 m FF (feed)

Accessories	
973072	El.-plug CEE 32/5 pol.
999578	On/off valve for wire sawing

** Different voltage and frequency types are available upon request.*

★★
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.*


TYROLIT
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TYROLIT
HYDROSTRESS



Free hand

Dry cutting	**183**
Information	184
Dry cutting saw blades	186
Diamond cup wheels	**201**
Information	202
Diamond cup wheels	204
Hand- and ring sawing	**209**
Information	210
Hand- and ring saw blades	212
Machines	214


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WORK WEAR



Dry cutting



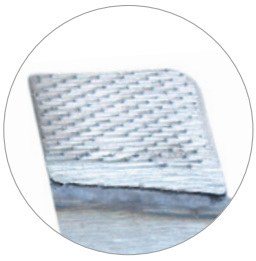
Dry cutting saw blades **for angle grinders and petrol saws**

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

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

TGD®-Technology

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



TGD®
TYROLIT GRAIN DISTRIBUTION

Service

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

Remarks / recommendations

+ Observe safety and user instructions
+ On request safety instructions may also be sent separately
+ Maximum working speed 80 m/s

Application recommendation

Performance Level	Specification	Universal	Concrete	Hard stone	Abrasive materials	Soft stone	Asphalt	Tiles	Steel	PVC	Cast iron	Pages
★★★ PREMIUM	DCU*** 4in1 TGD®	●	●	●					●			186
	DCU***	●										187
	DCU***-FC 4in1	●										187
	DCU***-S	●										187
	DCC***		●									189
	DCC***-FC		●									190
	DCH*** TGD®			●								191
	DCH***			●								192
	DCH***-FC			●								192
	DCAB***				●							193
	DCAB*** Tuck point blade				●							193
	DCM***					●						194
	DCT***							●				194
	DCA***						●					195
	DCA+C*** 2in1		●				●					196
	Roofer's cutting wheel	●										198
	FOCUR SA										●	199
	DCCI*** Combi									●		199
★★ STANDARD	DCU**	●										188
	DCU**-FC	●										188
	DCC**		●									190
	DCC**-LL		●									191
	DCA**						●					195
	DCA+C** 2in1		●				●					197
★ BASIC	DCU*	●										188
	DCU*-FC	●										189
	DCH*			●								193
	DCAB*				●							194
	DCT*							●				195
	DCA*						●					196
	DCA+C* 2in1		●				●					197

FC - FASTCUT **S - SILENT** **LL - LONGLIFE**

★★★
PREMIUM

Dry cutting saw blades

DCU*** 4in1 | in TGD®-Technology

+ **Low cutting costs** because of high cutting speed.

+ **Universal use** on concrete, hard stone, abrasive materials and steel.



+ **Reduced load for the user** as a result of unique smooth running.

Machinable materials: Universal building materials, such as concrete, natural stone, clay brick, cellular concrete, etc. Details: the DCU*** 4in1 dry cutting saw blade impresses with excellent results when cutting concrete, hard stone, abrasive materials and steel.
The possibility for universal use offers the user a product which is ready-to-use at any time without a wheel change and ensures the successful completion of a project.

Free hand

★★★
PREMIUM

Dry cutting saw blades

DCU* 4in1 | in TGD®-Technology**

	Shape		Type number	Dimension	Segment height	
		C3W	704617	230x2.4x22.23	14	
			736088	300x2.6x20	14	
			22373	300x2.6x22.23	14	
			59580	300x2.6x25.4	14	
			736102	350x3x20	14	
			22377	350x3x25.4	14	
			59543*	400x3.2x20	14	
			59545*	400x3.2x25.4	14	

*Only permitted for wet grinding

★★★ PREMIUM

Dry cutting saw blades

DCU***

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

	Shape		Type number	Dimension	Segment height
		C6W	464537	115x2.2x22.23	10
			464539	125x2.2x22.23	10
			464540	150x2.4x22.23	12
			464543	180x2.4x22.23	12
			464544	230x2.4x22.23	12
			464545	300x2.6x20	12
			464546	300x2.6x22.23	12
			464549	300x2.6x25.4	12
			464551	350x3x20	12
			464552	350x3x22.23	12
			464553	350x3x25.4	12
			464555	400x3.2x20	12
			464556	400x3.2x25.4	12
DCU*-FC 4in1**					
		C6R	474743	115x2x22.23	10
			474746	125x2x22.23	10
			474751	150x2.4x22.23	9
			474752	180x2.4x22.23	9
			474753	230x2.4x22.23	9
DCU*-S | in Silent design**					
		C3G	474771	230x2.6x22.23	9

Free hand

★★ STANDARD

Dry cutting saw blades
DCU**

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

	Shape		Type number	Dimension	Segment height
		C3	467443	115x2x22.23	7
			467444	125x2x22.23	7
			467445	150x2.6x22.23	9
			467446	180x2.6x22.23	9
			467448	230x2.6x22.23	9
			464853	300x2.6x20	10
			464854	300x2.6x22.23	10
			464855	300x2.6x25.4	10
			464858	350x3x20	10
			464859	350x3x25.4	10
			465667	400x3.2x20	10

DCU**-FC

	Shape		Type number	Dimension	Segment height
		C3R	467414	115x2x22.23	7
			467416	125x2x22.23	7
			467428	150x2.4x22.23	9
			467430	180x2.4x22.23	9
			467431	230x2.4x22.23	9
			467433	300x3x20	10
			467434	300x3x22.23	10
			467435	300x3x25.4	10
			467436	350x3x20	10
			467439	350x3x25.4	10

Free hand

★ BASIC

Dry cutting saw blades
DCU*

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

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

	Shape		Type number	Dimension	Segment height
		C3	466082	105x2x20	7
			466083	115x2x22.23	7
			466084	125x2x22.23	7
			466086	150x2.6x22.23	9
			466087	180x2.6x22.23	9
			466090	230x2.6x22.23	9

▶

◀

	Shape		Type number	Dimension	Segment height	
		C3	466093	300x2.6x20	10	
			466094	300x2.6x22.23	10	
			466095	300x2.6x25.4	10	
			466096	350x3x20	10	
			466098	350x3x22.23	10	
			466099	350x3x25.4	10	
			529399	400x3.2x25.4	10	
			529401	450x3.2x25.4	10	
DCU*-FC						
		C3R	467266	105x2x20	7	
			467267	115x2x22.23	7	
			467268	125x2x22.23	7	
			467271	150x2.4x22.23	9	
			467273	180x2.4x22.23	9	
			467276	230x2.4x22.23	9	
			467280	300x3x20	10	
			467281	300x3x22.23	10	
			467282	300x3x25.4	10	
			467285	350x3x20	10	
			467288	350x3x22.23	10	
			467289	350x3x25.4	10	

★★★ PREMIUM

Dry cutting saw blades
DCC***



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

	Shape		Type number	Dimension	Segment height	
		C6W	465488	115x2.2x22.23	10	
			465489	125x2.2x22.23	10	
			465490	150x2.4x22.23	12	
			465491	180x2.4x22.23	12	
			465492	230x2.4x22.23	12	
			465493	300x2.6x20	12	
			465494	300x2.6x22.23	12	
			465495	300x2.6x25.4	12	
			465496	350x3x20	12	
			465498	350x3x22.23	12	
			465499	350x3x25.4	12	
			465501	400x3.2x20	12	

★★★ PREMIUM

Dry cutting saw blades
DCC***-FC Wall chaser blade

Machinable materials: Concrete, clay brick, cellular concrete. Details: Tool for the milling of slots in concrete and masonry.

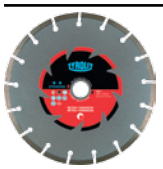
For use with all common wall chasers.

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

★★ STANDARD

Dry cutting saw blades
DCC**

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

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

★★ STANDARD

Dry cutting saw blades
DCC-LL**

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

	Shape		Type number	Dimension	Segment height
		C3W	484994	300x2.6x20	10
			484996	300x2.6x22.23	10
			484999	300x2.6x25.4	10
			485001	350x3x20	10
			485003	350x3x22.23	10
			485004	400x3.2x20	10

★★★ PREMIUM

Dry cutting saw blades
DCH*** | in TGD®-Technology

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



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

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

◀

★★★ PREMIUM

Dry cutting saw blades
DCH*** | in TGD®-Technology

	Shape		Type number	Dimension	Segment height	
		C3W	707365	230x2.4x22.23	14	
			736095	300x2.6x20	14	
			43485	300x2.6x25.4	14	
			736105	350x3x20	14	
			43490	350x3x25.4	14	

★★★ PREMIUM

Dry cutting saw blades
DCH***

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

	Shape		Type number	Dimension	Segment height	
		C6W	464698	125x2.2x22.23	10	
			464702	300x2.6x20	12	
			464703	300x2.6x22.23	12	
			464706	300x2.6x25.4	12	
			464707	350x3x20	12	
			464710	350x3x22.23	12	
			464711	350x3x25.4	12	
			464712	400x3.2x20	12	

★★★ PREMIUM

Dry cutting saw blades
DCH***-FC

The DCH***-FC from TYROLIT enables the user to carry out cutting work swiftly and to precise dimensions, without any great exertion.
The DCH***-FC is an ultra-thin diamond cut-off wheel with a segment thickness of 1.2 or 1.9 mm. It is distinguished by an extremely high cutting ability with minimal dust generation and extremely smooth running.

	Shape		Type number	Dimension	Segment height	
		C3	475790	115x1.2x22.23	7	
			475793	125x1.2x22.23	7	
		C3W	475797	180x1.9x22.23	9	
			475800	230x1.9x22.23	9	

Free hand

★ BASIC

Dry cutting saw blades
DCH*

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



Shape		Type number	Dimension	Segment height
	C3	467386	115x2x22.23	7
		467387	125x2x22.23	7
		467388	180x2.6x22.23	9
		467389	230x2.6x22.23	9
		467391	300x2.6x20	10
		467392	300x2.6x22.23	10
		467394	300x2.6x25.4	10
		467395	350x3x20	10
		467396	350x3x22.23	10
		467400	350x3x25.4	10

★★★ PREMIUM

Dry cutting saw blades
DCAB***

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



Shape		Type number	Dimension	Segment height
	C3W	465976	115x2.2x22.23	10
		465977	125x2.2x22.23	10
		465979	150x2.2x22.23	10
	C3SW	465980	230x2.4x22.23	10

★★★ PREMIUM

Dry cutting saw blades
DCAB*** Tuck point blade

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



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

★ BASIC Dry cutting saw blades
DCAB*

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

	Shape		Type number	Dimension	Segment height
		C3W	465672	115x2.2x22.23	9
			465674	125x2.2x22.23	9
			465677	150x2.2x22.23	10
			465686	230x2.4x22.23	10

★★★ PREMIUM Dry cutting saw blades
DCM***

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

Details: With electroplated coating, also suitable for rescue operations.

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

★★★ PREMIUM Dry cutting saw blades
DCT***

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

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

Accessories dry cutting saw blades
Sharpening plate for tiles

		Type number	Dimension
	SP6	662791	55x25x320

Free hand

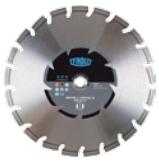
★ BASIC Dry cutting saw blades
DCT*

Machinable materials: Ceramic tiles.

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

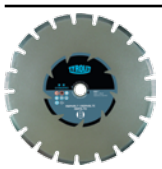
★★★ PREMIUM Dry cutting saw blades
DCA***

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

	Shape		Type number	Dimension	Segment height
		C7SW	465982	300x2.8x20	10
			465983	300x2.8x22.23	10
			465984	300x2.8x25.4	10
			465985	350x3x20	10
			465987	350x3x25.4	10

★★ STANDARD Dry cutting saw blades
DCA**

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

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

★ BASIC

Dry cutting saw blades
DCA*

Machinable materials: Asphalt, sandstone, extremely abrasive materials.

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

★★★ PREMIUM

Dry cutting saw blades
DCA+C*** 2in1

+ **Increased flexibility** suitable for cutting stone and concrete.

+ **Can also be used on floor saws and for wet cutting** thanks to optimised specification.



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

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

★★★ PREMIUM Dry cutting saw blades
DCA+C*** 2in1



	Shape		Type number	Dimension	Segment height
		C73SW	465640	300x2.6x20	10
			465642	350x3x25.4	10

★★ STANDARD Dry cutting saw blades
DCA+C** 2in1



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

Details: Protective segments against the undercutting-effect.

	Shape		Type number	Dimension	Segment height
		C1SW	34168634	300x2.8x20	10
			34237091	300x2.8x25.4/20	10
			34168635	350x3x20	10
			34237092	350x3x25.4/20	10

★ BASIC Dry cutting saw blades
DCA+C* 2in1

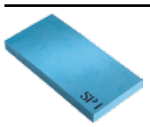


Machinable materials: Asphalt, green concrete with soft to hard material aggregates and a small amount of cured concrete.

Details: Protective segments against the undercutting-effect.

	Shape		Type number	Dimension	Segment height
		C1SW	736309	300x2.8x20	10
			736311	300x2.8x25.4	10
			736313	350x3x20	10
			80653	350x3x25.4	10

Accessories dry cutting saw blades
Sharpening plate

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

★★★
PREMIUM

Roofer’s cutting wheel

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

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



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

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

The TYROLIT roofer’s cutting wheel was specially developed for the wide-ranging roofing application scenarios and is suitable for cutting all common roofing materials – from concrete and clay roof tiles through to fibre cement. The ribbed cutting rim and the hardened steel core ensure minimum cutting pressures and clean straight cuts throughout the wheel life.

Free hand

★★★
PREMIUM

Roofer’s cutting wheel

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

★★★ PREMIUM

FOCUR SA

Diamond cut-off wheel for grey and spheroidal cast iron

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

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

	Shape		Type no.	Dimension	Specification	PU
		UC3	34213575	115x2.8x22.23	DC CI	1
			34192268	125x3.0x22.23	DC CI	1
			102811	180x3.0x22.23	DC CI	1
			102813	230x3.0x22.23	DC CI	1

★★★ PREMIUM

FOCUR SA

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

vmax = 50 m/sec

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

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

	Shape		Type no.	Dimension	Specification	PU
		UC3	34367418	350x4.1x20	3 DC CI	1

★★★ PREMIUM

Cutting and chamfering disc

DCCI* Combi**

The new cutting and chamfering disc DCCI*** Combi has been especially developed for the treatment of plastic pipes. The galvanized cutting edge and the diamond-coated chamfering enable a constant and clean cutting and chamfering at the same time. A cutting depth stop serves as an additional aid.

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





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				●	204
	DGU***				●	205
★★ STANDARD	DGU** Single row				●	205
	DGU** Double row				●	205
	DGU** Turbo				●	206
	DGU**-T | Continuous				●	206
	DGAB**			●		206
	DGC**		●			207
	DGH**	●				207
	DGU**-FC				●	207

FC - Fastcut **S - Silent** **LL - Longlife**

★★★
PREMIUM

Diamond cup wheels

DGU***-Turbo | W-Segment

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

+ **Quick dust removal.**



+ **Impressive performance** and lifetime.

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

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

Free hand

★★★
PREMIUM

Diamond cup wheels

DGU*-Turbo | W-Segment**

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

★★★ PREMIUM

Diamond cup wheels
DGU***

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

Diamond cup wheels
DGU** 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

Diamond cup wheels
DGU** 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

★★ STANDARD

Diamond cup wheels
DGU**-Turbo

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

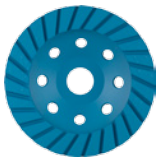
Quick dust removal. A 22.23–16 mm reduction bush is supplied with a wheel diameter of 100 mm.

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

★★ STANDARD

Diamond cup wheels
DGU**-T | Continuous

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

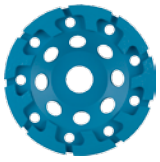
	Shape	Type number	Dimension	Segment height
	 STS-TC	34247005	100x18.5x22.23	6
		34247126	115x18.5x22.23	6
		34247127	125x18.5x22.23	6
		34247128	180x18.5x22.23	6

★★ STANDARD

Diamond cup wheels
DGAB** | T-Segment

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

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

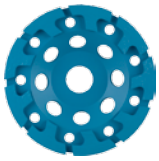
	Shape	Type number	Dimension	Segment height
	 STS-TS	34247129	100x21x22.23	5
		34247130	115x21x22.23	5
		34247151	125x21x22.23	5
		34247152	180x30.2x22.23	5

★★ STANDARD

Diamond cup wheels

DGC | T-Segment**

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



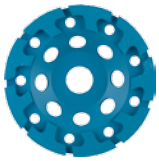
Shape	Type number	Dimension	Segment height
 STS-TS	34247153	100x21x22.23	5
	34247154	115x21x22.23	5
	34247155	125x21x22.23	5
	34247156	180x30.2x22.23	5

★★ STANDARD

Diamond cup wheels

DGH | T-Segment**

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



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

★★ STANDARD

Diamond cup wheels

DGU-FC | 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


TYROLIT



Hand- and ring sawing



Hand- and ring saw blades **for petrol saws**

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

Hand saw blades are especially suitable for openings and breaking through walls or ceilings with minor depths. TYROLIT ring saw blades convince with quick and simple handling and clean cutting edges. The outstanding cutting performance remains constant over the whole blade lifetime. The range of TYROLIT products covers all common applications and machines (electrical, hydraulic, petrol driven).

Application recommendation

Operation only for wet cutting

Performance Level	Specification	Concrete	Pages
★★★ PREMIUM	HSL*** TGD®	●	212
	RSL***	●	212
	RSL***-C	●	213
	RSL***-FC	●	213
	RSM***	●	213
★★ STANDARD	HSL**-FC	●	212

Colour indication

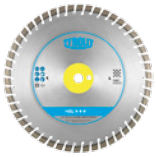
Low Power / for hard, non-abrasive materials	
Medium Power / for soft, abrasive materials	

★★★ PREMIUM

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

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

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

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

★★ STANDARD

Hand saw blade
HSL-FC**

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

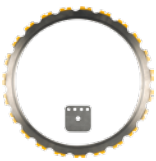
Details: Application in system with fuel operated, electric or hydraulic cut-off machines.

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

★★★ PREMIUM

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

Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 40 cm (Ø 506 mm) / 30 cm (Ø 406≈mm).
Details: The ring saw blades have been optimised to work perfectly with the TYROLIT HRG500*** Hydrostress machine. With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

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

★★★ PREMIUM

Ring saw blade
RSL* | Ø 366 mm**

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

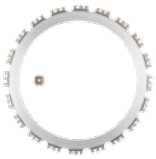
With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

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

★★★ PREMIUM

Ring saw blade
RSL*-C | Ø 406 mm**

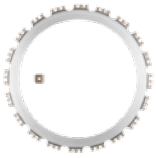
Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 30 cm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT Hydrostress machines. With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

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

★★★ PREMIUM

Ring saw blade
RSL*-FC | Ø 306 mm / Ø 406 mm**

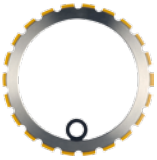
Machinable materials: For fast cutting on reinforced or normal concrete with wall thicknesses of up to 30 cm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT Hydrostress machines. With every replacement blade the wear plate is included and should also be replaced with each ring saw blade.

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

★★★ PREMIUM

Ring saw blade
RSM* | 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	366x4.2x25.4	10

Free hand

● = low ● = medium

★★★
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

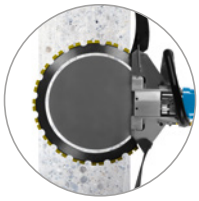
Hand saw HBE400* **	
10991700	Hand saw HBE400*** / 230 V

★★★
PREMIUM

Ring saw HRE400***

Cutting depth up to 317 mm





Unique cutting depth up to 317 mm



2.8 kW electric motor with fully integrated electronics



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

The HRE400*** is an electric hand-held saw for wall and floor cuts to a depth of 317 mm.The ring saw enables work without overcuts, providing an alternative to corner drilling and diamond chain saws. The patented, self-torque and anti-slip drive roller system ensures excellent power transfer and prevents slippage. The saw impresses with its highly compact, lightweight design with intelligent weight distribution. The 230 V electric drive enables flexible indoor and outdoor use.

System & Accessories

Technical data

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

Drive	
Drive / motor	Electric
Voltage / frequency	230 V / 50–60 Hz
Voltage / frequency optional	110 V / 50–60 Hz
Power	2.8 kW

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

System & Accessories

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

Accessories	
10997013	Complete cut 300 mm
10997014	Complete cut 400 mm
10996678	Upper drive roller
10996679	Lower drive roller
10997164	Gear oil container (5 ml)


TYROLIT



Table sawing

Information	222
Table saw blades	224
Machines	228



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***	●						224
	TSU***-SILENT	●						225
	TSH***		●					225
	TSH***-SILENT		●					225
	F40***				●			225
	TSS10***			●				226
	ES-T***					●		226
	DCT***						●	226

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)

★★★
PREMIUM

Table saw blade

TSU***

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

+ **Maximum performance and lifetime.**



+ **Broad product range.**

Materials able to be machined: Cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35–30 mm and 30–25.4 mm reduction bushes are included with disc diameters up to 550 mm. A 60–55 mm reduction bush is supplied with disc diameters of 625 mm and upwards.

★★★
PREMIUM

Table saw blade

TSU***

	Shape	Type 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

★★★ PREMIUM

Table saw blade
TSU***-SILENT

Materials able to be machined: Cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Details: 35–30 mm and 30–25.4 mm reduction bushes are included with disc diameters up to 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

★★★ PREMIUM

Table saw blade
TSH***

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



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

TSH***-SILENT

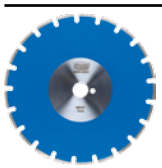


Shape		Type number	Dimension	Segment height
	C2G	34221324	300x2.8x35	14
		34097755	350x2.8x35	14

★★★ PREMIUM

Table saw blade
F40***

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



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

★★★ PREMIUM

Table saw blade
TSS10***

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

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

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

★★★ PREMIUM

Table saw blade
ES-T***

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

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

★★★ PREMIUM

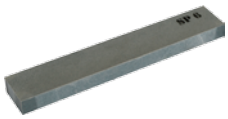
Table saw blade
DCT***

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

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

	Shape		Type 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



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★★★
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 TBE350**

Cutting depth up to 110 mm





Swivelling saw head enables 45° mitre cuts



Two robust castors ensure total manoeuvrability in the deployment location



Angle stop provided for cuts of 30° to 90°

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

System & Accessories

Technical data

Saw blade	
Max. cutting depth	110 mm
Max. saw blade Ø	400 mm
Cutting length	600 mm
Saw blade speed	2 800 rpm
Saw blade holder Ø	25.4 mm

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

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

Dimensions & Weight	
Length	1 140 mm
Width	640 mm
Height	1 230 mm
Weight	79 kg

System & Accessories

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

★★★
PREMIUM

Masonry saw TME700***

Cutting depth up to 270 mm

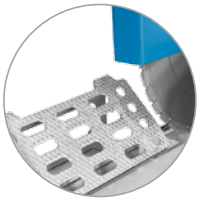




Removable water tank for easier cleaning



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

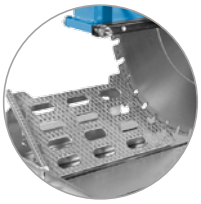
Masonry saw TME1000***

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

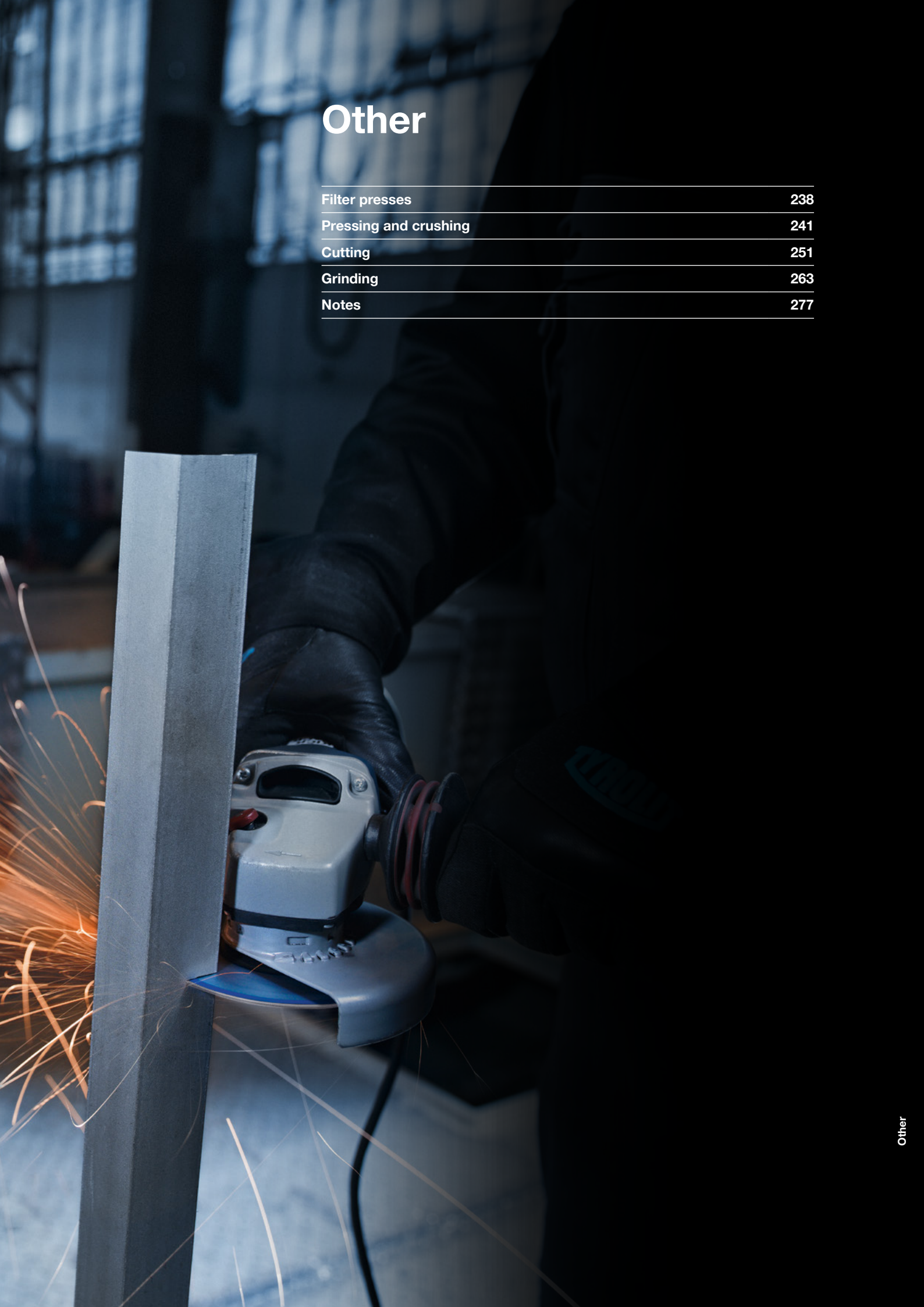
Masonry saw TME1000***	
10989800	Masonry saw TME1000*** / 400 V

Accessories	
10978735	Mitre stop (Jolly table)



Other

Filter presses	238
Pressing and crushing	241
Cutting	251
Grinding	263
Notes	277



★★★
PREMIUM

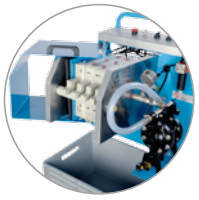
Filter press SPP400***

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***





Pressing and crushing

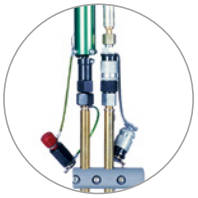
★★★
PREMIUM

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

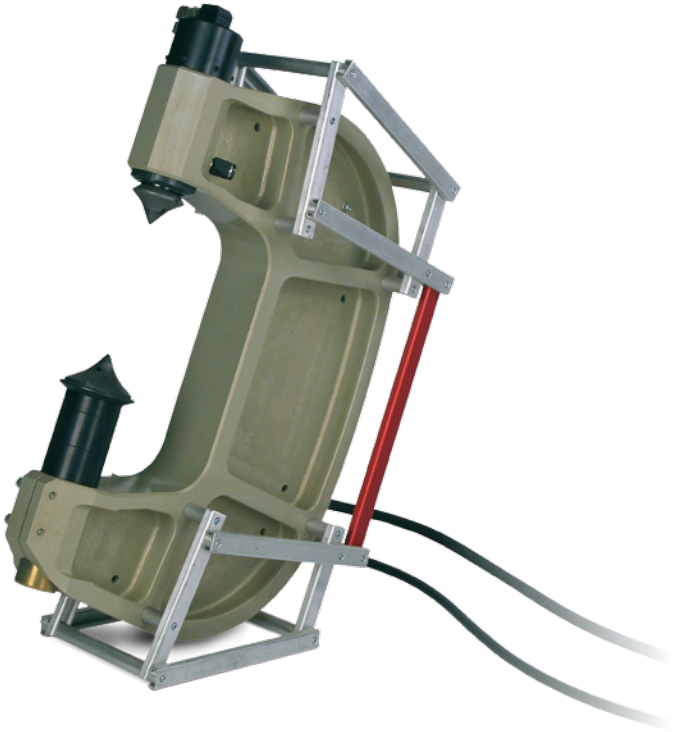
Drive unit AU	
975754*	High pressure drive unit AU 400/50 EU
975761	Tool box

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.*

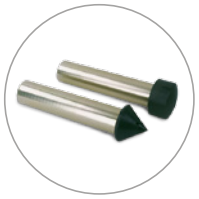
Crusher BZ

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
Weight with motor	64 kg
Weight without motor	34 kg

System & Accessories

Drive unit BW-2	
975698*	High-pressure drive BW-2 400/50 EU

Accessories	
973071	El.-plug CEE 16/5 pol.

** Different voltage and frequency types are available upon request.*



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Example page
Specific information

Product label



Maximum operating speed and maximum allowable speed

Performance level

Application and safety pictograms

EN safety standards

oSa safety guidelines

Type number

Material suitability

Registered trademark

Expiry date

Special application (not available everywhere)

Shape and specification

Dimensions DxTxH in mm and inches

EAN code

Colour codes

						
Label	Steel	2in1/3in1	INOX	Nonferrous metals	Cast iron	Stone
Colour code	BLUE	BLUE	RED	ORANGE	PURPLE	GREEN
Material	Steel	2in1 = Steel and stainless steel, 3in1 = Steel, stainless steel and cast iron	Stainless steel	Aluminium, copper, zinc, brass, bronze	Cast materials	Stone



Cutting



Cutting

Cut-off grinding is one of the most important processes in the trade and industrial sectors for processing metals. TYROLIT offers the right tool for convenient and quick use on angle grinders as well as for petrol cutting saws.

The benefits of our cut-off wheels in terms of innovation and economy can be clearly seen when it comes to cutting thin metal sheets and profiles. Our PREMIUM*** products in particular offer you the ultimate performance and lifetimes, very clean cutting areas and low thermal load. This means minimal finishing times, saving you high costs.
However, the highest priority here at TYROLIT is the health of our customers. TYROLIT cut-off wheels therefore meet the highest safety standards and contribute significantly to improving your working conditions. Reduced vibration and noise considerably improve your level of comfort while working.
You can find the entire range of cut-off wheels for every application in our Specialist Industry Catalogue.

Application recommendation

Performance level	Specification	Steel	Stainless steel	2in1	NF metals	Rails	Stone	Pages
★★★ PREMIUM	A60Q-BFP			●				255
	A46Q-BFP			●				255
	TA60P-BFXA			●				256
	A30Q-BFXA			●				256
	A60R-BFP		●					258
	A46R-BFP		●					258
	A46N-BFP				●			259
	A60N-BFP				●			259
	A30N-BFXA				●			260
	A24Q-BF100					●		262
★★ STANDARD	A30S-BF	●						254
	A46R-BFS		●					258
	A60R-BFS		●					258
	A30R-BFS		●					258
	C30S-BF						●	260
	A30S-BF100	●						261
★ BASIC	A46Q-BFB			●				256
	A60Q-BFB			●				256
	A30Q-BF			●				256, 257
	A30Q-BFB			●				257
	C30S-BF						●	261
	A30S-BF100	●						262

★★
STANDARD

Cut-off wheels
For steel

This tool not only offers a cost-efficient solution for your everyday work, but also the safety standards customers have come to expect from TYROLIT. This is provided by the excellent lifetime and stability of the STANDARD** cut-off wheel.

The tool is particularly suitable for cutting solid material. The assortment of STANDARD** cut-off wheels for steel ranges from 2.5 to 3.0 mm. It offers a long lifetime and is suitable for universal use.



Shape		Type no.	Dimension	Specification	PU
	41	367565	115x2.5x22.23	A30S-BF	25
		367569	125x2.5x22.23	A30S-BF	25
		367578	178x3.0x22.23	A30S-BF	25
		367583	230x3.0x22.23	A30S-BF	25
	42	367781	115x2.5x22.23	A30S-BF	25
		367786	125x2.5x22.23	A30S-BF	25
		367800	178x3.0x22.23	A30S-BF	25
		367803	230x3.0x22.23	A30S-BF	25

★★★
PREMIUM

Cut-off wheels

Super-thin 2in1 cut-off wheels for steel and stainless steel

+ **Enhanced economic efficiency**
Significant increase in lifetime and cutting ability, which is particularly evident in their first-cut performance. The wheel delivers the best results with shorter cutting times right from the very first cut.

+ **Reduced working times**
A low load on the workpiece and short cutting times allow you to quickly achieve the best result. No supplementary reworking, such as cleaning or deburring.



+ **Maximum comfort while working**
The tool operates consistently and without a jamming tendency, producing 30 % less cutting dust. Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

▶

With the next generation PREMIUM*** 2in1 cut-off wheels you can enhance performance while significantly reducing tool wear. In thicknesses of 1.0 to 1.6 mm, these super-thin 2in1 cut-off wheels have been developed for machining steel and stainless steel.
The chemical purity makes this tool ideal for machining stainless steel. In this way, impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength, can be avoided. As well as a clear improvement in productivity, these cut-off wheels also promote environmentally friendly use thanks to reduced waste production.

★★★ PREMIUM

Cut-off wheels

Super-thin 2in1 cut-off wheels for steel and stainless steel

	Shape	Type no. new	Type no. old	Dimension	Specification	PU
	41	34332791	773268	115x1.0x22.23	A60Q-BFP	25
		34332793	14082	115x1.6x22.23	A46Q-BFP	25
		34332792	773269	125x1.0x22.23	A60Q-BFP	25
		34332794	14085	125x1.6x22.23	A46Q-BFP	25
		34332796	920351	150x1.6x22.23	A46Q-BFP	25
		34332797	34165056	178x1.6x22.23	A46Q-BFP	25
		34332798	920353	230x1.9x22.23	A46Q-BFP	25

★★★ PREMIUM

Cut-off wheels

2in1 with DEEP CUT PROTECTION for steel and stainless steel

+ **Enhanced safety**
The DEEP CUT PROTECTION metal bushing we have developed prevents the crown being removed from the wheel and thus a break out of the bore.

+ **Greater economic efficiency**
The longer range of application means that wheel changes are reduced.



+ **Versatile application options**
It is ideal for small sheet metal, profile and pipe cross-sections. Rods and metal reinforcements can also be cut effortlessly.

Using newly developed technology and new materials we have succeeded in taking another step towards improved user safety. The PREMIUM*** cut-off wheel with DEEP CUT PROTECTION enables the user to achieve maximum insertion depths into the workpiece without damaging the wheel.
There is no risk of sharp workpiece edges removing the crown.

Other

Cut-off wheels
★★★ PREMIUM

2in1 with DEEP CUT PROTECTION for steel and stainless steel



Shape		Type no.	Dimension	Specification	PU
42		34042238	115x1.2x22.23	TA60P-BFXA	25
		34042239	125x1.2x22.23	TA60P-BFXA	25

Cut-off wheels
★★★ PREMIUM

2in1 for steel and stainless steel

This high-performance tool has been designed to be used on both steel and stainless steel and its standard widths offer a cost-efficient solution. This is provided by the longest lifetime and stability of the PREMIUM*** 2in1. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.

The assortment of 2in1 PREMIUM*** cut-off wheels ranges from 1.6 to 1.9 mm for quick and convenient operation with the longest lifetime, and from 2.5 to 3.0 mm for the longest lifetime and stability.



Shape		Type no.	Dimension	Specification	PU
41		872338	115x2.5x22.23	A30Q-BFXA	25
		872339	125x2.5x22.23	A30Q-BFXA	25
		872341	178x2.5x22.23	A30Q-BFXA	25
		872343	230x2.5x22.23	A30Q-BFXA	25
42		872346	115x2.5x22.23	A30Q-BFXA	25
		872347	125x2.5x22.23	A30Q-BFXA	25
		872350	178x3.0x22.23	A30Q-BFXA	25
		872351	230x3.0x22.23	A30Q-BFXA	25

Cut-off wheels
★ BASIC

2in1 for steel and stainless steel

This tool is designed for use on both steel and stainless steel. Our BASIC* cut-off wheel 2in1 has an excellent lifetime and stability. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.
The 1.6 mm cut-off wheel available in the BASIC* assortment is particularly suitable for fast, convenient and low-burr work. The stable cut-off wheels in thicknesses between 2.0 and 3.0 mm have a very long lifetime and are suitable for universal use.



Shape		Type no. new	Type no. old	Dimension	Specification	PU
41		34332870	34051373	115x1.0x22.23	A60Q-BFB	25
		34332872	222899	115x1.6x22.23	A46Q-BFB	25
		34332871	34051374	125x1.0x22.23	A60Q-BFB	25
		34332873	222900	125x1.6x22.23	A46Q-BFB	25
		34332875	633506	178x1.6x22.23	A46Q-BFB	25
		34332876	633509	230x1.9x22.23	A46Q-BFB	25
			222997	115x2.5x22.23	A30Q-BF	25



Shape		Type no. new	Type no. old	Dimension	Specification	PU
	41		222998	125x2.5x22.23	A30Q-BF	25
		34332877	291949	230x2.0x22.23	A30Q-BFB	25
			223002	230x3.0x22.23	A30Q-BF	25
	42		223021	115x2.5x22.23	A30Q-BF	25
			223022	125x2.5x22.23	A30Q-BF	25
			223023	178x3.0x22.23	A30Q-BF	25
			222044	230x3.0x22.23	A30Q-BF	25

★★★
PREMIUM

Cut-off wheels

Super-thin cut-off wheels for stainless steel

+ **Enhanced economic efficiency**
Significant increase in lifetime and cutting ability, which is particularly evident in their first-cut performance. The wheel delivers the best results with shorter cutting times right from the very first cut.

+ **Reduced working times**
A low load on the workpiece and short cutting times allow you to quickly achieve the best result. No supplementary reworking, such as cleaning or deburring.



+ **Maximum comfort while working**
The tool operates consistently and without a jamming tendency, producing 30 % less cutting dust. Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

With the next generation PREMIUM*** cut-off wheels for stainless steel you can enhance performance while significantly reducing tool wear. Super-thin cut-off wheels can be obtained from TYROLIT in thicknesses from 0.75 to 1.6 mm. They are particularly suitable for thin-walled metal sheets, profiles and pipes, as well as reinforced steel. Even for small stainless steel cross-sections and rods, and corrosion-resistant or acid-resistant stainless steel these cut-off wheels offer effortless machining. The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength.

★★★ PREMIUM

Cut-off wheels

Super-thin cut-off wheels for stainless steel

	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332800	610935	115x0.75x22.23	A60R-BFP	25
			34332802	674471	115x1.0x22.23	A60R-BFP	25
			34332804	51841	115x1.6x22.23	A46R-BFP	25
			34332801	610937	125x0.75x22.23	A60R-BFP	25
			34332803	674473	125x1.0x22.23	A60R-BFP	25
			34332805	51844	125x1.6x22.23	A46R-BFP	25
			34332807	291583	150x1.6x22.23	A46R-BFP	25
			34332808	34059901	178x1.6x22.23	A46R-BFP	25
			34332809		230x1.9x22.23	A46R-BFP	25

★★ STANDARD

Cut-off wheels

For stainless steel

The chemical purity of this tool is a requirement of machining stainless steel in order to avoid impairments to the material, such as corrosion, pitting corrosion or a reduction in the fatigue strength. The tool is suitable for cutting metal sheets, profiles, pipes, rods and solid material.
The assortment of these cut-off wheels ranges from thicknesses of 1.0 to 1.9 mm for fast, convenient and low-burr cutting. The stable cut-off wheels in thicknesses between 2.0 and 2.5 mm have a very long lifetime and are suitable for universal use.

	Shape		Type no. new	Type no. old	Dimension	Specification	PU
		41	34332830	367562	115x1.0x22.23	A60R-BFS	25
			34332833	367561	115x1.6x22.23	A46R-BFS	25
			34332832	367568	125x1.0x22.23	A60R-BFS	25
			34332834	367567	125x1.6x22.23	A46R-BFS	25
			34332891	367576	178x1.6x22.23	A46R-BFS	25
			34332838	367581	230x1.9x22.23	A46R-BFS	25
			34332839	367780	230x2.0x22.23	A30R-BFS	25

★★★
PREMIUM

Cut-off wheels

Super-thin cut-off wheels for nonferrous metals

+ **Enhanced economic efficiency**
Significant increase in lifetime and cutting ability, which is particularly evident in their first-cut performance. The wheel delivers the best results with shorter cutting times right from the very first cut.

+ **Reduced working times**
Cutting times are reduced when used on aluminium, aluminium bronze, aluminium base alloys, copper, bronze, brass, nickel silver and titanium.



+ **Maximum comfort while working**
The tool operates consistently and without a jamming tendency, producing 30 % less cutting dust. Additional sound and vibration damping are features that make the super-thin TYROLIT cut-off wheels a safe and convenient tool.

The next generation of TYROLIT PREMIUM*** cut-off wheels achieves a better performance than other PREMIUM*** wheels, and with considerably reduced tool wear. In order to cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula and production method in order to achieve short cutting times with NF metals too.
New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.

★★★
PREMIUM

Cut-off wheels

Super-thin cut-off wheels for nonferrous metals

	Shape	Type no. new	Type no. old	Dimension	Specification	PU
	41	34332821	840247	115x1.0x22.23	A60N-BFP	25
		34332823	623553	115x1.6x22.23	A46N-BFP	25
		34332822	257533	125x1.0x22.23	A60N-BFP	25
		34332824	739982	125x1.6x22.23	A46N-BFP	25

★★★ PREMIUM

Cut-off wheels
For nonferrous metals

In order to cut nonferrous metals, the tool must have a high cutting ability. To this end, TYROLIT has developed a special formula and production method in order to achieve short cutting times with NF metals too. New specifications prevent the clogging and dulling of the grinding wheel which used to be a common result of material abrasion.



Shape		Type no.	Dimension	Specification	PU
	41	32141	178x2.5x22.23	A30N-BFXA	25
		32142	230x2.5x22.23	A30N-BFXA	25

★★ STANDARD

Cut-off wheels
For stone

This STANDARD** cut-off wheel reduces the work of the operator due to its excellent cutting ability. When used on stone materials, the wheel impresses by achieving clean cutting edges and good cutting quality. Reworking is no longer required.



Shape		Type no.	Dimension	Specification	PU
	41	367566	115x2.5x22.23	C30S-BF	25
		367572	125x2.5x22.23	C30S-BF	25
		367580	178x3.0x22.23	C30S-BF	25
		367585	230x3.0x22.23	C30S-BF	25
	42	367782	115x2.5x22.23	C30S-BF	25
		367787	125x2.5x22.23	C30S-BF	25
		367801	178x3.0x22.23	C30S-BF	25
		367804	230x3.0x22.23	C30S-BF	25

★ BASIC

Cut-off wheels
For stone

The BASIC* cut-off wheel reduces the work of the operator due to its good cutting ability. When used on common building materials, the wheel impresses by achieving clean cutting edges and good cutting quality. The BASIC* version of the 2.5 to 3.0 mm thick wheels offer a long lifetime and can be used for universal applications. The advantages are topped off by its environmentally-friendly operation, thanks to the reduction in cutting waste.

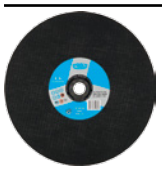


Shape		Type no.	Dimension	Specification	PU
	41	223012	115x2.5x22.23	C30S-BF	25
		223015	125x2.5x22.23	C30S-BF	25
		222042	178x3.0x22.23	C30S-BF	25
		223019	230x3.0x22.23	C30S-BF	25
	42	223025	115x2.5x22.23	C30S-BF	25
		223027	125x2.5x22.23	C30S-BF	25
		223029	178x3.0x22.23	C30S-BF	25
		223031	230x3.0x22.23	C30S-BF	25

★★ STANDARD

Cut-off wheels
For steel

TYROLIT provides the optimal tools for use on stationary cutting machines in chop cut. This special tool is ideal for cutting workpieces with large cross-sections, as well as solid material and profiles. The internal reinforcement and rough side surfaces enable low burr cutting of workpieces. As with all TYROLIT STANDARD** cut-off wheels, this tool has been optimised to achieve excellent cutting ability and lifetime.



Shape		Type no.	Dimension	Specification	PU
	41H	384756	350x4.0x20	A30S-BF100	10
		384758	350x4.0x25.4	A30S-BF100	10

★ BASIC

Cut-off wheels
For steel

The BASIC* cut-off wheel for steel is suitable for cutting profiles, solid material and large cross-sections due to its design with two external reinforcements. With the BASIC* wheel, you can achieve reduced cutting times coupled with minimal effort.

Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape		Type no.	Dimension	Specification	PU
		41H	223042	350x4.0x20	A30S-BF100	10

★★★ PREMIUM

Cut-off wheels
For rails

This wheel has been developed specially based on specifications for cutting rails. Despite extreme application conditions, such as humidity, cold and temperature fluctuations, the rail cut-off wheel from TYROLIT offers short cutting times coupled with minimal effort.

Exceptionally clean, non-discoloured surfaces reduce reworking tasks and working times. Developed for use on manual cut-off machines with electric or petrol engines. Suitable for pure off-hand and guided off-hand applications.

	Shape		Type no.	Dimension	Specification	PU
		41H	671108	350x3.8x25.4	A24Q-BF100	10
			676428	400x4.3x25.4	A24Q-BF100	10



Grinding



Grinding

TYROLIT also offers a wide selection of resin-bonded grinding tools. For example, our high-performance rough grinding wheels deliver the best results in both standard and special applications. Continuous developments, such as the introduction of the “Comfort Start” edge, with which every user can achieve optimum results right from the start, make our rough grinding wheels among the most advanced tools in the sector.

TYROLIT also developed the RONDELLER® for use on angle grinders. Its unique geometry and stud pattern enable outstanding chip transport, cool, material-protecting grinding and ergonomic working. For use on large and heavy components, we recommend working with cup wheels as they are exceptionally robust and durable.

You can also achieve high stock removal rates and lifetimes with them. In addition to the wide selection of resin-bonded abrasives, you will also find various coated abrasives such as flap discs, rough cleaning wheels, etc. in the TYROLIT range. Whatever the application and whichever shape you prefer: we have the right product for you.

You can find the entire range of rough grinding wheels, mounted points, milling cutters, wire brushes and coated abrasives in our Specialist Industry Catalogue.

Application recommendation

Performance level	Specification	Steel	Stainless steel	2in1	Stone	Plastic	All In One	Pages
★★★ PREMIUM	A24Q-BFX			●				266
	ZA24S-BFX	●						267
	A36Q-BF			●				269
	C36S-BF				●	●		270
	C60S-BF				●	●		270
	C100S-BF				●	●		270
	1C16L4B2				●			271
	1C60J4B2				●			271
	ZA40-B			●				272, 273
	ZA60-B			●				272, 273
	ZA80-B			●				272, 273
	28 VL GR						●	275
★★ STANDARD	A24S-BF	●						267
	A30R-BFINOX		●					268
	C30S-BF				●			268
	C16J-B				●			271
	C60J-B				●			271
	ZA120-B			●				273, 274
	ZA40-B			●				273, 274
	ZA60-B			●				273, 274
	ZA80-B			●				273, 274
★ BASIC	A30Q-BF			●				267
	C30S-BF				●			268
	ZA40-B			●				274
	ZA60-B			●				274
	ZA80-B			●				274
	A-B01 C JX						●	275

★★★
PREMIUM

Rough grinding wheel

2in1 for steel and stainless steel



Rough grinding wheel with and without "Comfort Start".

+ **Enhanced economic efficiency**
High abrasiveness coupled with a significantly longer lifetime.

+ **Less work required**
The destruction of the workpiece as a result of plunging with the tool is prevented, thus avoiding rework.



TYROLIT film

The product film can be found on YouTube at **www.youtube.com/TYROLITgroup**

+ **Enhanced comfort while working**
With the "Comfort Start" function, plunging into the workpiece is prevented, thus making the start of the process simpler and more convenient.

This rough grinding wheel is particularly suitable for steel and stainless steel applications. Due to its softer design, the PREMIUM*** 2in1 is quick and convenient to use and requires minimal effort. This is made possible by a new bond with coarser grain and a new layer composition.
What makes our 2in1 rough grinding wheel so unique is the bevelled and defined edge of the tool. With the "Comfort Start" edge, the user can achieve a pleasant start to grinding and the level of comfort while working is increased many times over.

★★★
PREMIUM

Rough grinding wheel

2in1 for steel and stainless steel

	Shape		Type no.	Dimension	Specification	PU
		27	34046120*	115x7.0x22.23	A24Q-BFX	10
			34046131*	125x7.0x22.23	A24Q-BFX	10
			34046133*	178x7.0x22.23	A24Q-BFX	10
			34046134*	230x7.0x22.23	A24Q-BFX	10

** With Comfort Start edge*

★ BASIC

Rough grinding wheel
2in1 for steel and stainless steel

This rough grinding wheel is particularly suitable for steel and stainless steel applications due to its softer design. In addition, the BASIC* 2in1 is quick and convenient to use and requires minimal effort.

This tool can be used universally and is equally suitable for surface and edge grinding applications.



Shape		Type no.	Dimension	Specification	PU
27		222858*	115x6.0x22.23	A30Q-BF	10
		222860*	125x6.0x22.23	A30Q-BF	10
		222863*	178x6.0x22.23	A30Q-BF	10
		222865*	230x6.0x22.23	A30Q-BF	10

** With Comfort Start edge*

★★★ PREMIUM

Rough grinding wheel
LONGLIFE for steel

The PREMIUM*** Longlife is a high-performance rough grinding wheel for surface and edge grinding. The 4 mm thick rough grinding wheel achieves the highest stock removal rates, such as required PIPELINE construction applications.

The 7, 8 and 10 mm thick Longlife rough grinding wheels offer enhanced dimensional stability for welding and root welding.



Shape		Type no.	Dimension	Specification	PU
27		34353683*	115x7.0x22.23	ZA24S-BFX	10
		34353684*	125x7.0x22.23	ZA24S-BFX	10
		34353687*	178x7.0x22.23	ZA24S-BFX	10
		34353689*	230x7.0x22.23	ZA24S-BFX	10

** With Comfort Start edge*

★★ STANDARD

Rough grinding wheel
For steel

The STANDARD** rough grinding wheel is a powerful rough grinding wheel for surface and edage grinding. The tool boasts optimised cutting ability and a long lifetime.

Even with low pressure, the wheel is abrasive and easy to handle.



Shape		Type no.	Dimension	Specification	PU
27		367377*	115x6.0x22.23	A24S-BF	10
		367771*	125x6.0x22.23	A24S-BF	10
		367773*	178x6.0x22.23	A24S-BF	10
		367775*	230x6.0x22.23	A24S-BF	10

** With Comfort Start edge*

★★ STANDARD

Rough grinding wheel
For stainless steel

The powerful rough grinding wheel has been specially designed for stainless steel applications. The STANDARD** INOX rough grinding wheel combines a long lifetime and the best cutting ability.

This is achieved through the use of regular aluminium oxide. This rough grinding wheel is specially designed for stainless steel applications.



Shape		Type no.	Dimension	Specification	PU
	27	367545*	115x6.0x22.23	A30R-BFINOX	10
		367548*	125x6.0x22.23	A30R-BFINOX	10
		367551*	178x6.0x22.23	A30R-BFINOX	10
		367554*	230x6.0x22.23	A30R-BFINOX	10

** With Comfort Start edge*

★★ STANDARD

Rough grinding wheel
For stone

The abrasive STANDARD** rough grinding wheel for stone is quick and convenient to use and requires minimal exertion. It is ideal for soft to hard stone, natural and artificial stone and concrete.

This rough grinding wheel with silicon carbide is specifically for stone and short-chipping materials.



Shape		Type no.	Dimension	Specification	PU
	27	367546*	115x6.0x22.23	C30S-BF	10
		367549*	125x6.0x22.23	C30S-BF	10
		367552*	178x6.0x22.23	C30S-BF	10
		367557*	230x6.0x22.23	C30S-BF	10

** With Comfort Start edge*

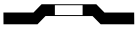
★ BASIC

Rough grinding wheel
For stone

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This rough grinding wheel with silicon carbide is specifically for stone and short-chipping materials.



Shape		Type no.	Dimension	Specification	PU
	27	222873*	115x6.0x22.23	C30S-BF	10
		222889*	125x6.0x22.23	C30S-BF	10
		222043*	178x6.0x22.23	C30S-BF	10
		222898*	230x6.0x22.23	C30S-BF	10

** With Comfort Start edge*

RONDELLER®

2in1 for steel and stainless steel

+ **High level of comfort while working**
These tools make vibration-free, ergonomic use possible and protect both user and machine.

+ **Simple handling**
Easy assembly - no need to use special accessories, such as back up pads and clamping nuts.



+ **Universal use**
Ideal for use on steel and stainless steel, as well as for all grinding, deburring and shaping applications on curved surfaces.

The TYROLIT PREMIUM*** RONDELLER® combines the product advantages of different grinding tools with the easiest handling. The unique geometry of the RONDELLER® enables cool, ergonomic grinding that is kind to materials.
Absolutely vibration-free use and optimal adaptation to the workpiece for all grinding, deburring and shaping applications means that curved surfaces can be perfectly machined.

★★★ PREMIUM

RONDELLER®

2in1 for steel and stainless steel

	Shape		Type no.	Dimension	Specification	PU
		29RON	908225	115x22.23	A36Q-BF	25
			908227	125x22.23	A36Q-BF	25
			908230	178x22.23	A36Q-BF	25

★★★ PREMIUM

RONDELLER®

For stone

The TYROLIT PREMIUM*** Ronderller® combines the product advantages of different grinding tools with the easiest handling. The unique geometry and stud pattern of the Ronderller® enables ergonomic grinding that protects materials.

Absolutely vibration-free use and optimal adaptation to the workpiece for all grinding jobs means that curved surfaces can be perfectly machined.

	Shape		Type no.	Dimension	Specification	PU
		29RON	908233	115x22.23	C36S-BF	25
			908220	178x22.23	C36S-BF	25
			908221	178x22.23	C60S-BF	25
			908223	178x22.23	C100S-BF	25

★★★ PREMIUM

Resin cup wheel
For stone

Cup wheels achieve maximum stock removal rates and lifetime for grinding jobs on large areas. The stone cup wheel is particularly suitable for pre-grinding imperfections on concrete surfaces, bevelling and pre-grinding artificial stone and patio slabs, surface grinding on marble, slate and granite.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s.



Shape		Type no.	Dimension	Specification	PU	Max. speed
	11ZB	310992	110/90x55xM14	1C16L4B2	2	8 680
		321211	110/90x55xM14	1C60J4B2	2	8 680

★★ STANDARD

Resin cup wheel
For stone

Cup wheels achieve excellent stock removal rates and lifetime for grinding jobs on large areas. The stone cup wheel is particularly suitable for pre-grinding imperfections on concrete surfaces, bevelling and pre-grinding artificial stone and patio slabs, surface grinding on marble, slate and granite.

There is a choice of bore design 22.23 and thread design M14 for fitting to the tool. Observe operating speed: max. 50 m/s.



Shape		Type no.	Dimension	Specification	PU	Max. speed
	11ZB	895676	110/90x55xM14	C16J-B	2	8 680
		895677	110/90x55xM14	C60J-B	2	8 680

★★★ PREMIUM

Flap disc
2in1 for steel and stainless steel

The PREMIUM*** 2in1 flap disc combines an excellent lifetime with very high specific abrasion. The TYROLIT 2in1 flap disc is used both on high alloyed steels and stainless steel, as well as on unalloyed and low alloyed steels. Problem-free welding as well as edge and surface grinding, particularly when used on powerful angle grinders.

	Shape	Type no.	Dimension	Specification	PU
	 27A	668642	115x22.23	ZA40-B	10
		668644	115x22.23	ZA60-B	10
		668649	115x22.23	ZA80-B	10
		668663	125x22.23	ZA40-B	10
		668664	125x22.23	ZA60-B	10
		668665	125x22.23	ZA80-B	10

★★★ PREMIUM

Flap disc
LONGLIFE C-TRIM for steel and stainless steel

+ **Longest lifetime**
The PREMIUM*** LONGLIFE C-TRIM offers the longest lifetime with consistent abrasiveness and performance.

+ **Robust construction**
Through the increased number of closely spaced flaps, this disc can withstand even the highest loads.



+ **100 % wheel usage**
The LONGLIFE C-TRIM has a unique plastic backing that can be easily trimmed. This unique feature allows for 100 % utlitsation of the disc. The disc remains sharp through its lifetime and can be used on a wide range of steels.

The PREMIUM*** LONGLIFE C-TRIM offers through its'new construction excellent stock removal and remains sharp throughout its lifetime. The backing of the disc can be trimmed to give 100 % utilisation of the entire disc, which affords unbeatable value in terms of longevity.

The LONGLIFE C-TRIM can be used on high alloyed steels, stainless steels, unalloyed and low-alloyed steels. The disc makes for easy weld processingas well as for edge and surface grinding. Optimal results can be achieved when used with powerful angle grinders. The compact construction guarantees a long life even when deburring sharp edges and thin materials.

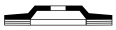
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★★★ PREMIUM

Flap disc

LONGLIFE C-TRIM for steel and stainless steel



Shape		Type no.	Dimension	Specification	PU
	28N	34239191	115x22.23	ZA40-B	10
		34239192	115x22.23	ZA60-B	10
		34239193	115x22.23	ZA80-B	10
		34239195	125x22.23	ZA40-B	10
		34239196	125x22.23	ZA60-B	10
		34239197	125x22.23	ZA80-B	10

★★ STANDARD

Flap disc

2in1 for steel and stainless steel

The STANDARD** 2in1 flap disc offers two advantages. On one hand it offers the user very long lifetime, on the other it guarantees very good specific abrasion.

The TYROLIT 2in1 flap disc is used both on high alloyed steels and stainless steel, as well as on unalloyed and low alloyed steels.



Shape		Type no.	Dimension	Specification	PU
	27A	572473	115x22.23	ZA40-B	10
		454393	115x22.23	ZA60-B	10
		455312	115x22.23	ZA80-B	10
		50801	115x22.23	ZA120-B	10
		824385	125x22.23	ZA40-B	10
		455303	125x22.23	ZA60-B	10
		458587	125x22.23	ZA80-B	10
		243069	125x22.23	ZA120-B	10
	28A	537021	115x22.23	ZA40-B	10
		537084	115x22.23	ZA60-B	10
		537089	115x22.23	ZA80-B	10
		537093	115x22.23	ZA120-B	10

★★ STANDARD

SOFTJOB

2in1 for steel and stainless steel

For us, the STANDARD** SOFTJOB flap disc represents maximum flexibility for machining difficult to access areas. It has a broad application area, comprising: Surface preparation and improvement, preparation of welding work and cleaning of weld seams.

Processing of contours and profiled surfaces, processing of handrails and pipes, cleaning of surfaces, removal of rust and paint residues.



Shape		Type no.	Dimension	Specification	PU
	28S	246987	115x22.23	ZA40-B	10
		246988	115x22.23	ZA60-B	10
		246990	115x22.23	ZA80-B	10
		246994	115x22.23	ZA120-B	10
		246995	125x22.23	ZA40-B	10
		246996	125x22.23	ZA60-B	10
		246998	125x22.23	ZA80-B	10
		247001	125x22.23	ZA120-B	10

★ BASIC

Flap disc

2in1 for steel and stainless steel

The BASIC* 2in1 flap disc offers good specific removal. Thanks to a new upgrade, the BASIC* flap disc achieves an unprecedented lifetime and 30 % more power.

The TYROLIT 2in1 flap disc is used both on high alloyed steels and stainless steel, as well as on unalloyed and low alloyed steels.



Shape		Type no.	Dimension	Specification	PU
	27A	34318364	115x22.23	ZA40-B	10
		34318365	115x22.23	ZA60-B	10
		34318366	115x22.23	ZA80-B	10
		34318369	125x22.23	ZA40-B	10
		34318370	125x22.23	ZA60-B	10
		34318391	125x22.23	ZA80-B	10
	28A	34318539	115x22.23	ZA40-B	10
		34318551	115x22.23	ZA60-B	10
		34318552	115x22.23	ZA80-B	10

★★★ PREMIUM

Rough cleaning wheel

Universal use

With the TYROLIT rough cleaning wheel you can effortlessly remove rust, paint, lacquer and underbody sealant from your workpiece. The porous nylon fibres, treated with aggressive abrasives, meet any challenge. At the same time, they prevent clogging or loading of the wheel.

This wheel offers the user quiet, non-strenuous grinding combined with low generation of heat.

	Shape		Type no.	Dimension	Design	Colour	PU	Max. RPM	Rec. speed
		28 VL GR	898014	115x22.23	C COARSE	BLACK	5	11 000	8 600
			898017	125x22.23	C COARSE	BLACK	5	9 800	7 800
			34206236	115x22.2	A EX. COARSE	BLUE	5	11 000	8 600
			34206237	125x22.2	A EX. COARSE	BLUE	5	9 800	7 800

★ BASIC

A-B01 C JX cloth rolls

Universal use

With flexible cloth rolls from TYROLIT you can machine almost any material. When finishing surfaces, preparation either by hand or using an orbital sander is required. When machining wood, paint and lacquer, TYROLIT recommends BASIC* cloth rolls for hand-guided grinding.

For finishing coatings, smoothing and cleaning composites, and for clean intermediate grinding, we recommend cloth rolls on an orbital sander.

	Shape		Type no.	Dimension	Grain	PU
		Roll	705877	50x25M	120	1


TYROLIT
Universal
Concrete
Asphalt
Granite | Stone
Marble
TYROLIT
TYROLIT
TYROLIT
DCU
PREMIUM



Notes

Safety

Safety and the brand TYROLIT

Our aim was and is to make our products even safer for our users:

Through our work as the founder member of the “Organisation for the Safety of Abrasives” (oSa®), through close cooperation with the safety authorities and through practical communication with our users all over the world.

For safe working with grinding tools, it is necessary that

- machine manufacturer
- abrasive manufacturer and
- operator

contribute their part in equal measure. TYROLIT guarantees that all tools meet the requirements of the oSa® and the European standards. The CE marking of our machines guarantees the complete compliance with the applicable EU safety requirements.

TYROLIT strongly recommends not to use grinding tools, which do not have the symbols oSa®, EN13236 (diamond tools), EN12413 (cutting and grinding wheels) or EN13743 (flap discs).

Assembly / repair

Diamond tools must be visually inspected for cracks or other possible damage before mounting.
Don’t use damaged diamond tools!

The dimension of the diamond tool must correspond to the information on the machine and shouldn’t exceed those.

Make sure that the maximum operating speed (RPM) of the tool is not exceeded.

Please note when mounting, that the arrow on the diamond tool corresponds with the direction of rotation of the machine.

Make sure the bore of the diamond tool fits the machine spindle properly – the bore must not be manipulated.

Make sure that the machine spindle is clean and intact. An out of round condition will cause damage to the blade and the saw.

Flanges should be clean, flat, of equal size and of the proper type for the diamond tool. Don’t use damaged flanges.

The diamond tool must be properly mounted, rotate freely and the flanges must be tightended properly.
Never force a wheel onto the machine.

Only use machines with suitable blade guards.

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

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

Application

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

Secure the workpiece to prevent accidental slipping.

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

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

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

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

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

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

Never attempt to remove the wheel from the cut while the wheel is in motion otherwise kickback may occur. Do not restart the cutting operation in the workpiece. Let the wheel reach full speed before you re-enter the cut.

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

Safety information


Use gloves


Use dust mask


Only permitted for wet grinding


Not permitted for side grinding


Use eye protection


Personal safety


Not permitted for wet grinding


No freehand work


Use ear protection


Pay attention to the safety recommendations


Do not use damaged wheels

Recommended RPM

	Revolutions per minute [RPM] depending on the external tool diameter [D] and the operating speed [VS]						
	Recommended operating speed VS in m/s						
	Drilling		**Sawing**			**Dry-cutting**	
D in mm	**2**	**3**	**40**	**50**	**60**	**80**	**100**
14	2 730	4 090					
16	2 390	3 580					
20	1 910	2 860					
25	1 530	2 290					
32	1 190	1 790					
42	910	1 360					
52	730	1 100					
62	620	920					
72	530	800					
82	470	700					
100	380	570	7 640	9 550	11 460	15 280	19 100
115	330	500	6 640	8 300	9 960	13 290	16 610
125	310	460	6 110	7 640	9 170	12 220	15 280
150	250	380	5 090	6 370	7 640	10 190	12 730
180	210	320	4 240	5 310	6 370	8 490	10 610
200	190	290	3 820	4 770	5 730	7 640	9 550
230	170	250	3 320	4 150	4 980	6 640	8 300
250	150	230	3 060	3 820	4 580	6 110	7 640
300	130	190	2 550	3 180	3 820	5 090	6 370
350	110	160	2 180	2 730	3 270	4 370	5 460
400	100	140	1 910	2 390	2 860	3 820	4 770
450	80	130	1 700	2 120	2 550	3 400	4 240
500	80	110	1 530	1 910	2 290		
600	60	100	1 270	1 590	1 910		
700	50	80	1 090	1 360	1 640		
800	50	70	950	1 190	1 430		
900	40	60	850	1 060	1 270		
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 reduceThe speed. Should theSpeed can not be changedcan perform the cut inseveral deliveries.
- The blade is not mounted correctly. Look for the correct oneDirection 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 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



Wall Display



Floor Display



Counter Display





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TYROLIT addresses

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Catalogue

General information

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