



Diamond tools and machines for the construction industry

English | 2022

Premium grinding tools since 1919
www.tyrolit.com

TYROLIT

Diamond tools and machines Product catalogue



The TYROLIT Group

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

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

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



TYROLIT headquarters in Schwaz (Austria)

Facts & Figures



80,000+
products



29
production sites



4,400+
employees worldwide



36
sales locations



500+
worldwide patents

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

Business units

METAL INDUSTRIES



Automotive industry

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



Steel & Foundry

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



Precision industries

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



Industrial trade

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

CONSTRUCTION



Construction industry

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



Trade & Rental

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



Construction professionals

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



Project services

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

Leading through true innovation

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



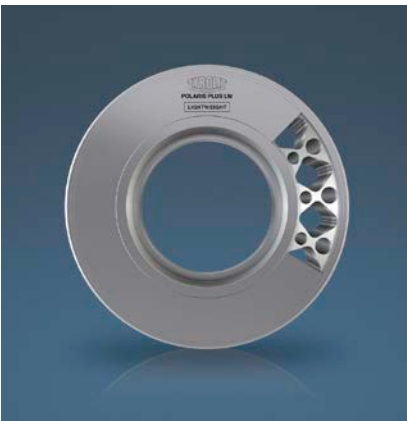
As one of the first abrasives manufacturers to integrate the new **X-Lock** clamping technology into our assortment of grinding discs, we are at the forefront of the angle grinder landscape. One click and it's done.



TYROLIT Power revolutionised the finishing of hard surfaces. Sanding strips consisting of layers made from cactus hair and diamond provide extreme hardness, save time and significantly reduce vibrations for the user.



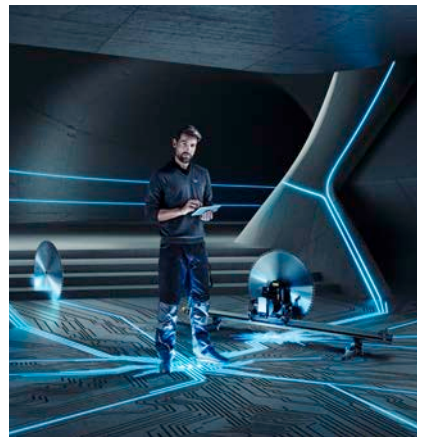
We took a leap forward in laminated glass grinding with our **REVERSE** wheels, simplifying grinding operations, improving yields and the processing quality while equally reducing stress to the tool and the work-piece.



Our patented **lightweight core technologies** enable us to improve customers' precision grinding processes, saving them time and money. This is possible through computer-calculated targeted material reductions or the use of natural fibres.



With our modular assistance system **ToolScope** we set a milestone for the digitalisation of grinding technology. The system allows customers to utilise existing data and through increased process transparency optimise their whole production chain.



MoveSmart is a novel monitoring system for the construction industry, connecting TYROLIT machines to the Internet of Things and processing user data directly on site and in real-time. A smart move into the future.

International production and sales locations

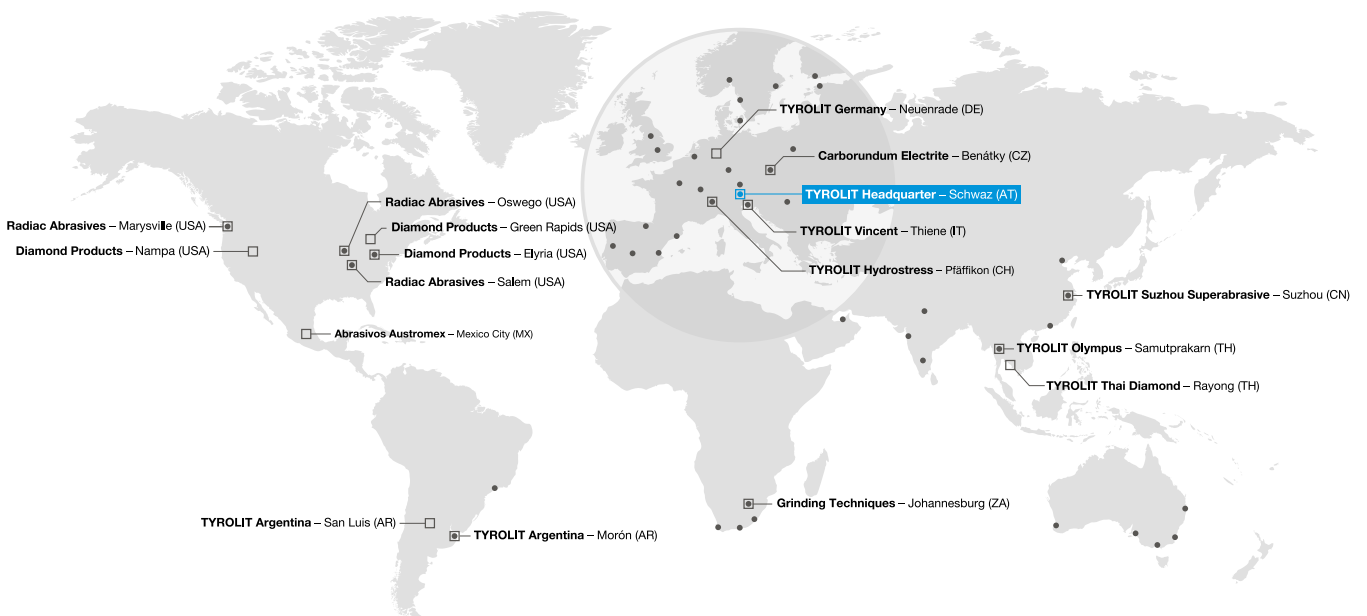
TYROLIT is represented in 29 countries through its own production and sales companies and cooperates in a further 65 countries with local partners.



Production location in Rayong (Thailand)



The European logistics centre in Benátky (Czechia)



□ TYROLIT production sites
sites are only named once

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

Quality lines

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

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

| | | |
|--|---|--|
| <p>★★★ PREMIUM</p> | <p>★★ STANDARD</p> | <p>★ BASIC</p> |
| <p>Maximum performance and highest lifetime for professional use.</p> | <p>Exceptional working comfort and efficiency for experienced use.</p> | <p>Quality tools for ideal working results in everyday use.</p> |



Specific information

Diamond tools

Product label

NEW



Colour codes



Label

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

Colour code



Material

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

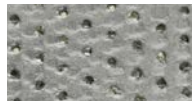
Convincing, technologies



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

Your advantages:

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



TGD® Segment



Conventional segment



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

Your advantages:

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



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

Your advantages:

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



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

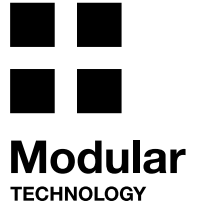
Your advantages:

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



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

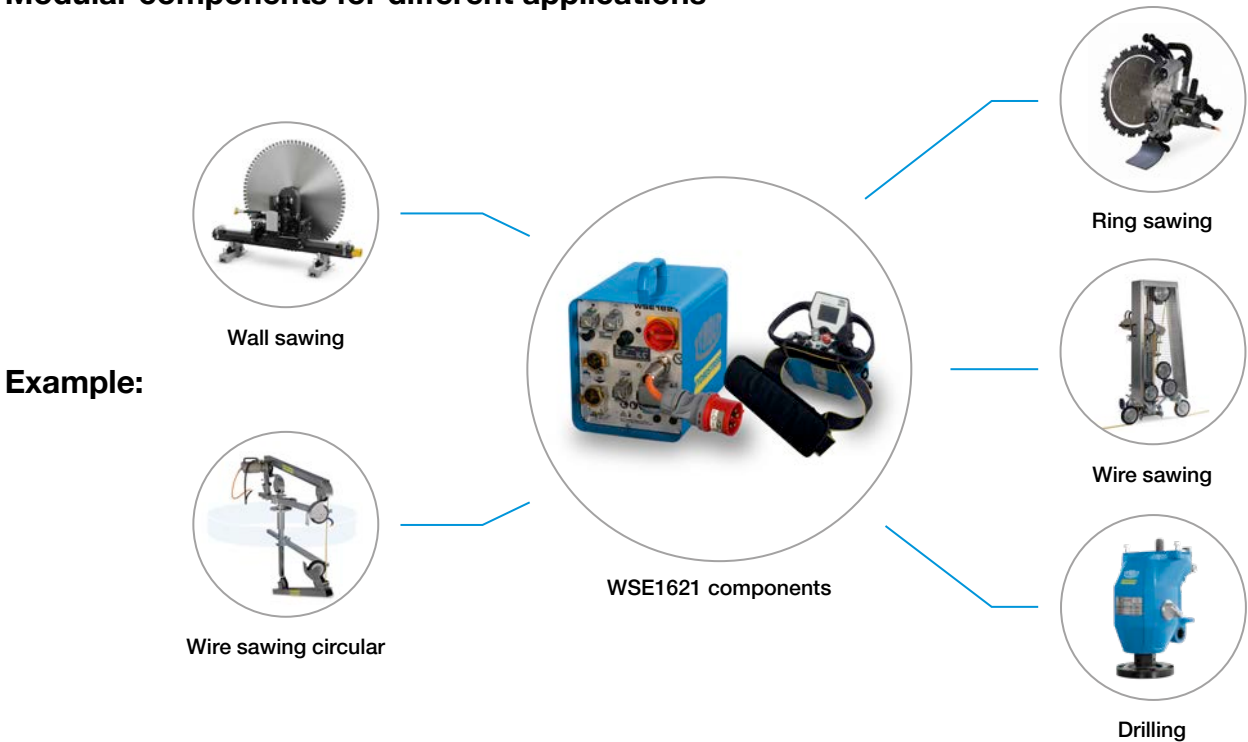
TYROLIT Modular System



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.

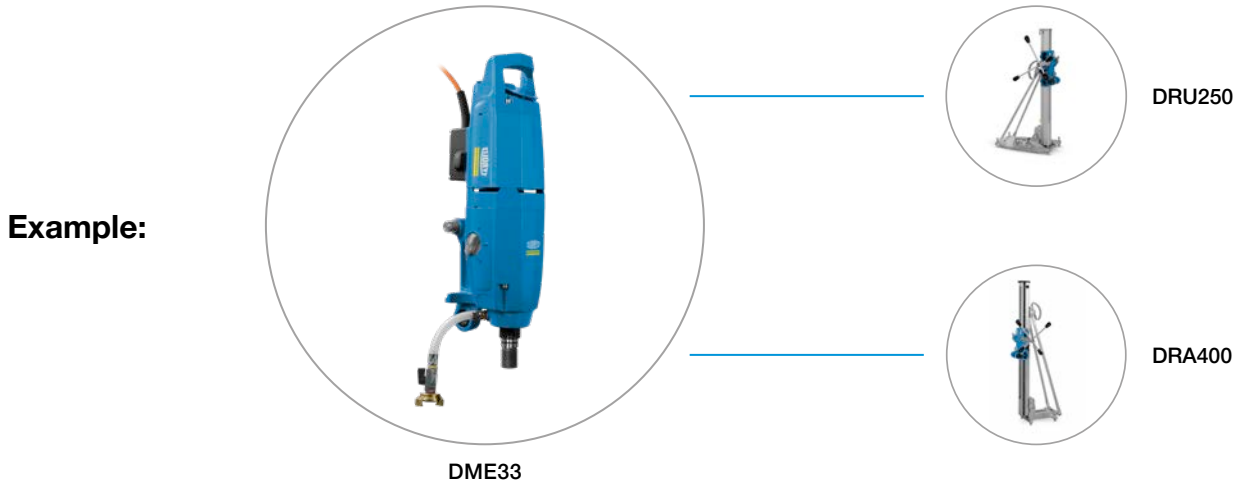
One part of the TYROLIT Modular System is the ModulDrill™ quick clamping system, for example, which enables our drill motors to be rapidly attached to different TYROLIT drill rigs.

Modular components for different applications



| | WSE1217 | WSE1621 | WSE2226 |
|--------------------------|---------|---------|---------|
| Wire saw WCU17 | • | • | |
| Wire saw SB-E | | | • |
| Wire saw circular CCE25 | • | • | |
| Drilling gearbox DGB1000 | • | • | |
| Ring saw HRE410 | | • | |

Modular components within the same area of application



ModulDrill™ clamping system

| | DME24MW DME24UW | DME33MW DME33UW | DGB1000 | Hydraulic options |
|--------|-------------------|-------------------|---------|-------------------|
| DRA250 | ● | ● | | |
| DRU250 | ● | ● | | |
| DRU350 | ● | ● | | |
| DRA400 | ● | ● | | |
| DRU400 | ● | ● | | |
| DRA500 | ● | ● | ● | ● |
| BC-2 | ● | ● | ● | ● |

Blade guards

| | WSE1621 | WSE2226 | DZ-S2 | WZ | FZ-2ST | FZ-4S |
|-----------------------------|---------|---------|-------|----|--------|-------|
| All-in-one blade guard 800 | ● | ● | ● | ● | ● | ● |
| All-in-one blade guard 1000 | ● | ● | ● | ● | ● | ● |
| All-in-one blade guard 1200 | ● | ● | ● | ● | ● | ● |
| Blade guard 1460 | ● | ● | | ● | ● | ● |
| Blade guard 1600 | ● | ● | | ● | ● | ● |
| Blade guard 2200 | | ● | | | | ● |

Rail systems

| | WSE1621 | WSE2226 | DZ-S2 | WZ | FZ-2ST | FZ-4S |
|-----------------|---------|---------|-------|----|--------|-------|
| VAS rail system | ● | ● | ● | ● | ● | |
| VS rail system | ● | ● | ● | ● | ● | ● |





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
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Notes



Core drilling

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Diamond wet drill bits





Drill bits for wet drilling

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

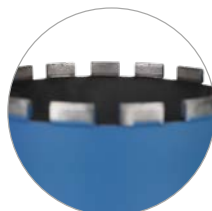
As a result, our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday

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

bits are designed to work perfectly with TYROLIT Hydrostress machines.

TGD®-Technology

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



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

Speeds

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

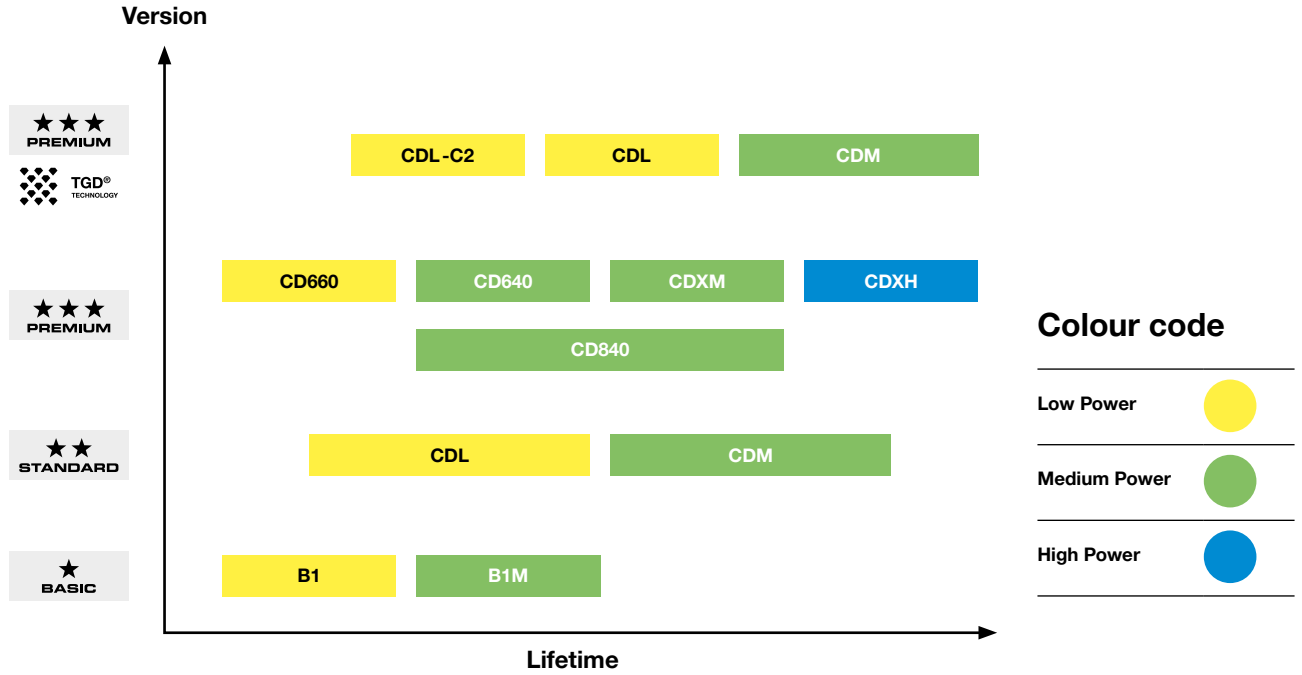
Service

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

Information / Recommendations

- + Highest levels of performance at peripheral speeds of 2-3 m/s on concrete (1.2-1.8 m/s on reinforced concrete, 3.2-3.8 m/s on very abrasive materials)
- + For core drills with a diameter of 400 mm or more, we recommend to use the drill flange GR-F. The core drill program with GR-F flange is available on request (1¼"-4L = the combination GR-F with 1¼" adapter)
- + The correct drill rig mounting is essential
- + The correct coolant quantity is also important for the optimum drilling performance ("milky" consistency of the water)
- + The machine safety and user instructions must be read and understood before starting work. The drilling safety manual will be sent to you on request

Product life TYROLIT wet drill bits



Segment overview Wet drilling



TECHNOLOGY

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



EFFICIENCY

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



CUTTING PERFORMANCE

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

Application recommendation

TYROLIT wet drill bits

Material properties

| Performance Level | Specification | Aggregates | | | | Abrasiveness | | | Reinforcement | | |
|-------------------|---------------|------------|--------|------|-----------|--------------|--------|------|---------------|--------|------|
| | | soft | medium | hard | very hard | low | medium | high | low | medium | high |
| ★★★ PREMIUM | CDL-C2 TGD® | ● | ⦿ | ○ | | ⦿ | ● | ⦿ | ● | ● | ⦿ |
| | CDL TGD® | ● | ● | ⦿ | ○ | ⦿ | ● | ● | ● | ● | ⦿ |
| | CDM TGD® | ⦿ | ● | ● | ⦿ | ○ | ● | ● | ⦿ | ● | ● |
| | CDXH | ○ | ⦿ | ● | ● | | ○ | ● | ⦿ | ● | ● |
| | CDXM | ⦿ | ● | ● | ● | ○ | ⦿ | ● | ⦿ | ● | ● |
| | CD640 | ⦿ | ● | ● | ● | ○ | ⦿ | ● | ⦿ | ● | ● |
| | CD660 | ● | ● | ⦿ | ○ | ⦿ | ● | ⦿ | ● | ⦿ | |
| | CD840 | ● | ● | ⦿ | ○ | ○ | ● | ● | ● | ● | ⦿ |
| ★★ STANDARD | CDL | ⦿ | ⦿ | ○ | | ○ | ⦿ | ⦿ | ⦿ | ○ | |
| | CDM | ○ | ⦿ | ● | ● | | ○ | ● | ⦿ | ● | ● |
| ★ BASIC | B1 | ● | ⦿ | ⦿ | | ⦿ | ⦿ | ○ | ⦿ | ○ | |
| | B1M | ● | ● | ⦿ | | ○ | ● | ○ | ● | ● | ○ |

Limestone Granite Quartz Granite Rhine gravel Danube gravel Flint

Machine power

| Performance Level | Specification | Machine power | | | Speed | | |
|-------------------|---------------|---------------|--------|------|-------|--------|------|
| | | low | medium | high | low | medium | high |
| ★★★ PREMIUM | CDL-C2 TGD® | ● | ⦿ | | | ⦿ | ● |
| | CDL TGD® | ● | ● | ○ | ○ | ● | ● |
| | CDM TGD® | ○ | ● | ● | ● | ● | ⦿ |
| | CDXH | ○ | ⦿ | ● | ⦿ | ● | ○ |
| | CDXM | ⦿ | ● | ⦿ | ○ | ● | ⦿ |
| | CD640 | ⦿ | ● | ⦿ | ○ | ● | ⦿ |
| | CD660 | ● | ⦿ | | | ⦿ | ● |
| | CD840 | ⦿ | ● | ● | ⦿ | ● | ● |
| ★★ STANDARD | CDL | ⦿ | ⦿ | ○ | ○ | ⦿ | ⦿ |
| | CDM | ○ | ⦿ | ● | ⦿ | ● | ○ |
| ★ BASIC | B1 | ⦿ | ⦿ | | ○ | ⦿ | ⦿ |
| | B1M | ○ | ● | ○ | ○ | ● | ● |

Suitability

| | |
|--------------|---|
| Optimal | ● |
| Good | ⦿ |
| Acceptable | ○ |
| Not suitable | |



CDL Wet drill bits

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

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



- + **Very long lifetime.**

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

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

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




CDL Wet drill bits

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



| | Type no. | Dimension | Segment height |
|--------|------------------|------------------|----------------|
| | HOHL3 | | |
| | 497349 | 12 × 400 × R1/2" | 7 |
| | 854317 | 14 × 400 × R1/2" | 7 |
| | 474990 | 15 × 400 × R1/2" | 7 |
| | 474991 | 16 × 400 × R1/2" | 7 |
| | 474993 | 18 × 400 × R1/2" | 7 |
| | 474995 | 20 × 400 × R1/2" | 7 |
| | 474997 | 22 × 400 × R1/2" | 7 |
| | 475000 | 24 × 400 × R1/2" | 7 |
| | 475009 | 25 × 400 × R1/2" | 7 |
| | 475010 | 28 × 400 × R1/2" | 7 |
| | 475011 | 30 × 400 × R1/2" | 7 |
| | 475012 | 32 × 400 × R1/2" | 7 |
| | 500072 | 35 × 450 × R1/2" | 7 |
| | 475014 | 37 × 450 × R1/2" | 7 |
| | 475015 | 40 × 450 × R1/2" | 7 |
| 475016 | 42 × 450 × R1/2" | 7 | |



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

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




CDL-C2 Wet drill bits

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



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

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

| | Type no. | Dimension | Segment height |
|---|----------|-------------------|----------------|
|  | HOHL1 | | |
| | 34018536 | 82 × 500 × PIXIE | 11.3 |
| | 34018538 | 92 × 500 × PIXIE | 11.3 |
| | 34018539 | 102 × 500 × PIXIE | 11.3 |
| | 34018542 | 107 × 500 × PIXIE | 11.3 |
| | 34018543 | 112 × 500 × PIXIE | 11.3 |
| | 34018544 | 122 × 500 × PIXIE | 11.3 |
| | 34018546 | 127 × 500 × PIXIE | 11.3 |
| | 34018547 | 132 × 500 × PIXIE | 11.3 |
| | 34018549 | 138 × 500 × PIXIE | 11.3 |
| | 34018550 | 142 × 500 × PIXIE | 11.3 |
| | 34018551 | 152 × 500 × PIXIE | 11.3 |
| | 34018553 | 162 × 500 × PIXIE | 11.3 |
| | 34018554 | 172 × 500 × PIXIE | 11.3 |
| | 34018555 | 182 × 500 × PIXIE | 11.3 |
| | 34018556 | 186 × 500 × PIXIE | 11.3 |
| | 34018557 | 202 × 500 × PIXIE | 11.3 |
| | 34018559 | 226 × 500 × PIXIE | 11.3 |
| | 34018560 | 250 × 500 × PIXIE | 11.3 |
| | 34018537 | 82 × 450 × 1¼" | 11.3 |
| | 34018540 | 102 × 450 × 1¼" | 11.3 |
| | 34018545 | 122 × 450 × 1¼" | 11.3 |
| | 34018548 | 132 × 450 × 1¼" | 11.3 |
| | 34018552 | 152 × 450 × 1¼" | 11.3 |
| | 34018558 | 202 × 450 × 1¼" | 11.3 |
| | 34018561 | 250 × 450 × 1¼" | 11.3 |




CDM Wet drill bits

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



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

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


| | Type no. | Dimension | Segment height |
|---|----------------|----------------|----------------|
|  | HOHL1D | | |
| | 606482 | 47 × 450 × 1¼" | 8.5 |
| | 606527 | 52 × 450 × 1¼" | 8.5 |
| | 606530 | 57 × 450 × 1¼" | 8.5 |
| | 606485 | 62 × 450 × 1¼" | 8.5 |
| | 606536 | 67 × 450 × 1¼" | 8.5 |
| 606541 | 72 × 450 × 1¼" | 8.5 | |

● = low

● = medium





| | | Type no. | Dimension | Segment height |
|---|-----------------|----------|-----------------|----------------|
|  | HOHL1 | 34223152 | 77 × 450 × 1¼" | 11.3 |
| | | 34018562 | 82 × 450 × 1¼" | 11.3 |
| | | 34018564 | 92 × 450 × 1¼" | 11.3 |
| | | 34018566 | 102 × 450 × 1¼" | 11.3 |
| | | 34018568 | 107 × 450 × 1¼" | 11.3 |
| | | 34018569 | 112 × 450 × 1¼" | 11.3 |
| | | 34018571 | 117 × 450 × 1¼" | 11.3 |
| | | 34018572 | 122 × 450 × 1¼" | 11.3 |
| | | 34018574 | 125 × 450 × 1¼" | 11.3 |
| | | 34018575 | 127 × 450 × 1¼" | 11.3 |
| | | 34018576 | 132 × 450 × 1¼" | 11.3 |
| | | 34018579 | 142 × 450 × 1¼" | 11.3 |
| | | 34018584 | 152 × 450 × 1¼" | 11.3 |
| | | 34018587 | 162 × 450 × 1¼" | 11.3 |
| | | 34018589 | 172 × 450 × 1¼" | 11.3 |
| | | 34018601 | 182 × 450 × 1¼" | 11.3 |
| | | 34018604 | 192 × 450 × 1¼" | 11.3 |
| | | 34018605 | 202 × 450 × 1¼" | 11.3 |
| | | 34018607 | 212 × 450 × 1¼" | 11.3 |
| | | 34018608 | 225 × 450 × 1¼" | 11.3 |
| 34018610 | 250 × 450 × 1¼" | 11.3 | | |
| | | 711343 | 300 × 450 × 1¼" | 11.3 |
| | | 711344 | 350 × 450 × 1¼" | 11.3 |
| | | 711347 | 400 × 450 × 1¼" | 11.3 |
| | | 711348 | 450 × 450 × 1¼" | 11.3 |
| | | 711349 | 500 × 450 × 1¼" | 11.3 |




CDXH Wet drill bits for reinforced concrete



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

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

| | Type no. | Dimension | Segment height |
|---|-----------------|-----------|-----------------|
|  | HOHL1D | 34196019 | 52 × 450 × 1¼" |
| | | 34196061 | 57 × 450 × 1¼" |
| | | 34196063 | 62 × 450 × 1¼" |
| | | 34196069 | 72 × 450 × 1¼" |
| | | 34167000 | 82 × 450 × 1¼" |
| | | 34167261 | 92 × 450 × 1¼" |
| | | 34167263 | 102 × 450 × 1¼" |
| | | 34167267 | 112 × 450 × 1¼" |
| | | 34167281 | 122 × 450 × 1¼" |
| | | 34167283 | 127 × 450 × 1¼" |
| | | 34167287 | 132 × 450 × 1¼" |
| | | 34167292 | 152 × 450 × 1¼" |
| | | 34167294 | 158 × 450 × 1¼" |
| | | 34167296 | 162 × 450 × 1¼" |
| | | 34167302 | 182 × 450 × 1¼" |
| | | 34167311 | 202 × 450 × 1¼" |
| | | 34167319 | 250 × 450 × 1¼" |
| 34196074 | 300 × 450 × 1¼" | | |




CDXM Wet drill bits for reinforced concrete




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

Segment height of 11.3 mm for a long lifetime. Laser-welded segments up to Ø 300 mm for maximum safety. Pre-drilling segments on request. With segment widths up to 7.5 mm.

| | Type no. | Dimension | Segment height |
|---|----------|-----------|-----------------|
|  | HOHL1D | 34331923 | 47 × 450 × 1¼" |
| | | 34206525 | 52 × 450 × 1¼" |
| | | 34331924 | 57 × 450 × 1¼" |
| | | 34206526 | 62 × 450 × 1¼" |
| | | 34206527 | 67 × 450 × 1¼" |
| | | 34206528 | 72 × 450 × 1¼" |
| | | 34206529 | 77 × 450 × 1¼" |
| | | 34167814 | 82 × 450 × 1¼" |
| | | 34167816 | 87 × 450 × 1¼" |
| | | 34167819 | 92 × 450 × 1¼" |
| | | 34409913 | 96 × 450 × 1¼" |
| | | 34167831 | 102 × 450 × 1¼" |



| | | Type no. | Dimension | Segment height |
|---|-----------------|----------|-----------------|----------------|
|  | HOHL1D | 34167833 | 107 × 450 × 1¼" | 11.3 |
| | | 34167835 | 112 × 450 × 1¼" | 11.3 |
| | | 34167837 | 117 × 450 × 1¼" | 11.3 |
| | | 34167839 | 122 × 450 × 1¼" | 11.3 |
| | | 34167841 | 127 × 450 × 1¼" | 11.3 |
| | | 34167843 | 132 × 450 × 1¼" | 11.3 |
| | | 34167845 | 142 × 450 × 1¼" | 11.3 |
| | | 34167847 | 152 × 450 × 1¼" | 11.3 |
| | | 34167849 | 158 × 450 × 1¼" | 11.3 |
| | | 34167851 | 162 × 450 × 1¼" | 11.3 |
| | | 34167853 | 167 × 450 × 1¼" | 11.3 |
| | | 34167855 | 172 × 450 × 1¼" | 11.3 |
| | | 34167857 | 182 × 450 × 1¼" | 11.3 |
| | | 34167859 | 187 × 450 × 1¼" | 11.3 |
| | | 34167861 | 192 × 450 × 1¼" | 11.3 |
| | | 34167863 | 202 × 450 × 1¼" | 11.3 |
| | | 34167865 | 212 × 450 × 1¼" | 11.3 |
| | | 34167867 | 225 × 450 × 1¼" | 11.3 |
| 34167869 | 240 × 450 × 1¼" | 11.3 | | |
| 34167873 | 250 × 450 × 1¼" | 11.3 | | |




CD840 Wet drill bits for reinforced concrete



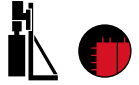
Drill motors medium power | soft to medium-hard concrete aggregate.
Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

| | | Type no. | Dimension | Segment height |
|---|--------|----------|-----------------|----------------|
|  | HOHL1D | 34235150 | 82 × 450 × 1¼" | 11.3 |
| | | 34235193 | 92 × 450 × 1¼" | 11.3 |
| | | 34233042 | 102 × 450 × 1¼" | 11.3 |
| | | 34235146 | 107 × 450 × 1¼" | 11.3 |
| | | 34239079 | 112 × 450 × 1¼" | 11.3 |
| | | 34235690 | 117 × 450 × 1¼" | 11.3 |
| | | 34239092 | 122 × 450 × 1¼" | 11.3 |
| | | 34235147 | 127 × 450 × 1¼" | 11.3 |
| | | 34235149 | 132 × 450 × 1¼" | 11.3 |
| | | 34239094 | 142 × 450 × 1¼" | 11.3 |
| | | 34233043 | 152 × 450 × 1¼" | 11.3 |
| | | 34239095 | 162 × 450 × 1¼" | 11.3 |
| | | 34239096 | 172 × 450 × 1¼" | 11.3 |
| | | 34239097 | 182 × 450 × 1¼" | 11.3 |
| | | 34233045 | 202 × 450 × 1¼" | 11.3 |
| | | 34239999 | 212 × 450 × 1¼" | 11.3 |

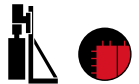
● = medium



**CD840 Wet drill bits**
for reinforced concrete

HOHL1D

| Type no. | Dimension | Segment height |
|----------|-----------------|----------------|
| 34240000 | 250 × 450 × 1¼" | 11.3 |
| 34240001 | 300 × 450 × 1¼" | 11.3 |
| 34240003 | 350 × 450 × 1¼" | 11.3 |
| 34240004 | 400 × 450 × 1¼" | 11.3 |
| 34240005 | 450 × 450 × 1¼" | 11.3 |
| 34240006 | 500 × 450 × 1¼" | 11.3 |

**CD640 Wet drill bits**
for reinforced concrete

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

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




HOHL1D

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





| | | Type no. | Dimension | Segment height |
|---|--------|----------|-----------------|----------------|
|  | HOHL1D | 34239995 | 400 × 450 × 1¼" | 11.3 |
| | | 34239996 | 450 × 450 × 1¼" | 11.3 |
| | | 34239997 | 500 × 450 × 1¼" | 11.3 |
| | | 34471403 | 600 × 450 × 1¼" | 11.3 |




CD660 Wet drill bits for reinforced concrete



Drill motors low power | soft concrete aggregate | high speed. Quality tools for the most demanding applications and maximum cost efficiency. Universal use and smooth core removal.

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

| | | Type no. | Dimension | Segment height |
|--|-----------------|----------|-----------------|----------------|
|  | HOHL1D | 34239202 | 47 × 450 × 1¼" | 11.3 |
| | | 34238995 | 52 × 450 × 1¼" | 11.3 |
| | | 34238996 | 57 × 450 × 1¼" | 11.3 |
| | | 34238997 | 62 × 450 × 1¼" | 11.3 |
| | | 34238998 | 67 × 450 × 1¼" | 11.3 |
| | | 34238999 | 72 × 450 × 1¼" | 11.3 |
| | | 34239203 | 75 × 450 × 1¼" | 11.3 |
| | | 34239000 | 82 × 450 × 1¼" | 11.3 |
| | | 34239011 | 92 × 450 × 1¼" | 11.3 |
| | | 34233009 | 102 × 450 × 1¼" | 11.3 |
| | | 34239012 | 107 × 450 × 1¼" | 11.3 |
| | | 34239013 | 112 × 450 × 1¼" | 11.3 |
| | | 34239015 | 122 × 450 × 1¼" | 11.3 |
| | | 34239017 | 127 × 450 × 1¼" | 11.3 |
| | | 34239021 | 132 × 450 × 1¼" | 11.3 |
| | | 34239023 | 142 × 450 × 1¼" | 11.3 |
| | | 34233010 | 152 × 450 × 1¼" | 11.3 |
| | | 34239027 | 162 × 450 × 1¼" | 11.3 |
| | | 34239029 | 172 × 450 × 1¼" | 11.3 |
| | | 34239030 | 182 × 450 × 1¼" | 11.3 |
| | | 34233012 | 202 × 450 × 1¼" | 11.3 |
| | | 34239984 | 212 × 450 × 1¼" | 11.3 |
| | | 34239985 | 250 × 450 × 1¼" | 11.3 |
| 34239986 | 300 × 450 × 1¼" | 11.3 | | |
| 34239987 | 350 × 450 × 1¼" | 11.3 | | |
| 34239988 | 400 × 450 × 1¼" | 11.3 | | |
| 34239989 | 450 × 450 × 1¼" | 11.3 | | |
| 34239990 | 500 × 450 × 1¼" | 11.3 | | |




CDL Wet drill bits for reinforced concrete



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

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

| | Type no. | Dimension | Segment height | |
|---|----------|-----------|-----------------|------|
|  | HOHL3 | 475019 | 32 × 400 × R½" | |
| | | 475024 | 42 × 450 × R½" | |
| | HOHL1D | 34292638 | 52 × 450 × 1¼" | 11.3 |
| | | 34292640 | 62 × 450 × 1¼" | 11.3 |
| | | 34292816 | 72 × 450 × 1¼" | 11.3 |
| | | 34292820 | 82 × 450 × 1¼" | 11.3 |
| | | 34292821 | 92 × 450 × 1¼" | 11.3 |
| | | 34292823 | 102 × 450 × 1¼" | 11.3 |
| | | 34292824 | 107 × 450 × 1¼" | 11.3 |
| | | 34292826 | 112 × 450 × 1¼" | 11.3 |
| | | 34292827 | 122 × 450 × 1¼" | 11.3 |
| | | 34292828 | 127 × 450 × 1¼" | 11.3 |
| | | 34292829 | 132 × 450 × 1¼" | 11.3 |
| | | 34292830 | 142 × 450 × 1¼" | 11.3 |
| | | 34292831 | 152 × 450 × 1¼" | 11.3 |
| | | 34292832 | 162 × 450 × 1¼" | 11.3 |
| | | 34292833 | 182 × 450 × 1¼" | 11.3 |
| | | 34292834 | 202 × 450 × 1¼" | 11.3 |
| | | 34292835 | 250 × 450 × 1¼" | 11.3 |




CDM Wet drill bits for reinforced concrete



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

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


| | Type no. | Dimension | Segment height |
|---|----------|-----------|-----------------|
|  | HOHL1D | 34293083 | 52 × 450 × 1¼" |
| | | 34293087 | 62 × 450 × 1¼" |
| | | 34293089 | 72 × 450 × 1¼" |
| | | 34293111 | 82 × 450 × 1¼" |
| | | 34293115 | 92 × 450 × 1¼" |
| | | 34293116 | 102 × 450 × 1¼" |
| | | 34293120 | 107 × 450 × 1¼" |
| | | 34293122 | 112 × 450 × 1¼" |
| | | 34293124 | 122 × 450 × 1¼" |

● = low

● = medium






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



B1 Wet drill bits for reinforced concrete



Drill motors low power | soft concrete aggregate. Quality tools for everyday use. Segment height of 11.3 mm for improved lifetime. Laser welded segments up to Ø 300 mm for maximum safety.


| | | Type no. | Dimension | Segment height |
|---|--------|----------|-----------------|----------------|
|  | HOHL1D | 34239241 | 47 × 450 × 1¼" | 11.3 |
| | | 34239244 | 52 × 450 × 1¼" | 11.3 |
| | | 34239245 | 57 × 450 × 1¼" | 11.3 |
| | | 34206245 | 62 × 450 × 1¼" | 11.3 |
| | | 34206246 | 67 × 450 × 1¼" | 11.3 |
| | | 34239181 | 72 × 450 × 1¼" | 11.3 |
| | | 34206248 | 77 × 450 × 1¼" | 11.3 |
| | | 34206249 | 82 × 450 × 1¼" | 11.3 |
| | | 34239183 | 92 × 450 × 1¼" | 11.3 |
| | | 34203877 | 102 × 450 × 1¼" | 11.3 |
| | | 34206261 | 107 × 450 × 1¼" | 11.3 |
| | | 34206262 | 112 × 450 × 1¼" | 11.3 |
| | | 34206263 | 122 × 450 × 1¼" | 11.3 |
| | | 34239093 | 127 × 450 × 1¼" | 11.3 |
| | | 34206265 | 132 × 450 × 1¼" | 11.3 |
| | | 34239186 | 142 × 450 × 1¼" | 11.3 |
| | | 34239187 | 152 × 450 × 1¼" | 11.3 |
| | | 34206267 | 162 × 450 × 1¼" | 11.3 |
| | | 34239188 | 172 × 450 × 1¼" | 11.3 |
| | | 34206269 | 182 × 450 × 1¼" | 11.3 |
| | | 34239189 | 202 × 450 × 1¼" | 11.3 |
| | | 34240086 | 212 × 450 × 1¼" | 11.3 |
| | | 34240087 | 250 × 450 × 1¼" | 11.3 |



Accessories wet drill bits

Adapter




| | | Type no. | Machine connection | Tool connection |
|---|-------|----------|--------------------|-----------------|
|  | ADAPT | 374035 | 1 1/4" Female | R 1/2" Female |
| | | 381983 | R 1/2" Male | 1 1/4" Male |
| | | 462700 | HT 1.5 Female | 1 1/4" Male |
| | | 681095 | HT 2 Female | 1 1/4" Male |
| | | 759007 | R 1/2" Male | 10 |
| | | 909220 | 1 1/4" Female | 3-LOCH |

Accessories wet drill bits

Sharpening plates




| | | Type no. | Dimension |
|--|-----|----------|----------------|
|  | SP1 | 497322 | 55 x 25 x 320 |
| | | 484627 | 160 x 30 x 320 |
| | | 484672 | 320 x 55 x 320 |

Accessories wet drill bits

Carrying handle

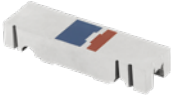


| | Type no. | Connection |
|---|----------|---------------|
|  | 34277925 | 1/2" / 1 1/4" |

Accessories wet drill bits

Brazing magnets




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

Accessories wet drill bits

Extensions




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

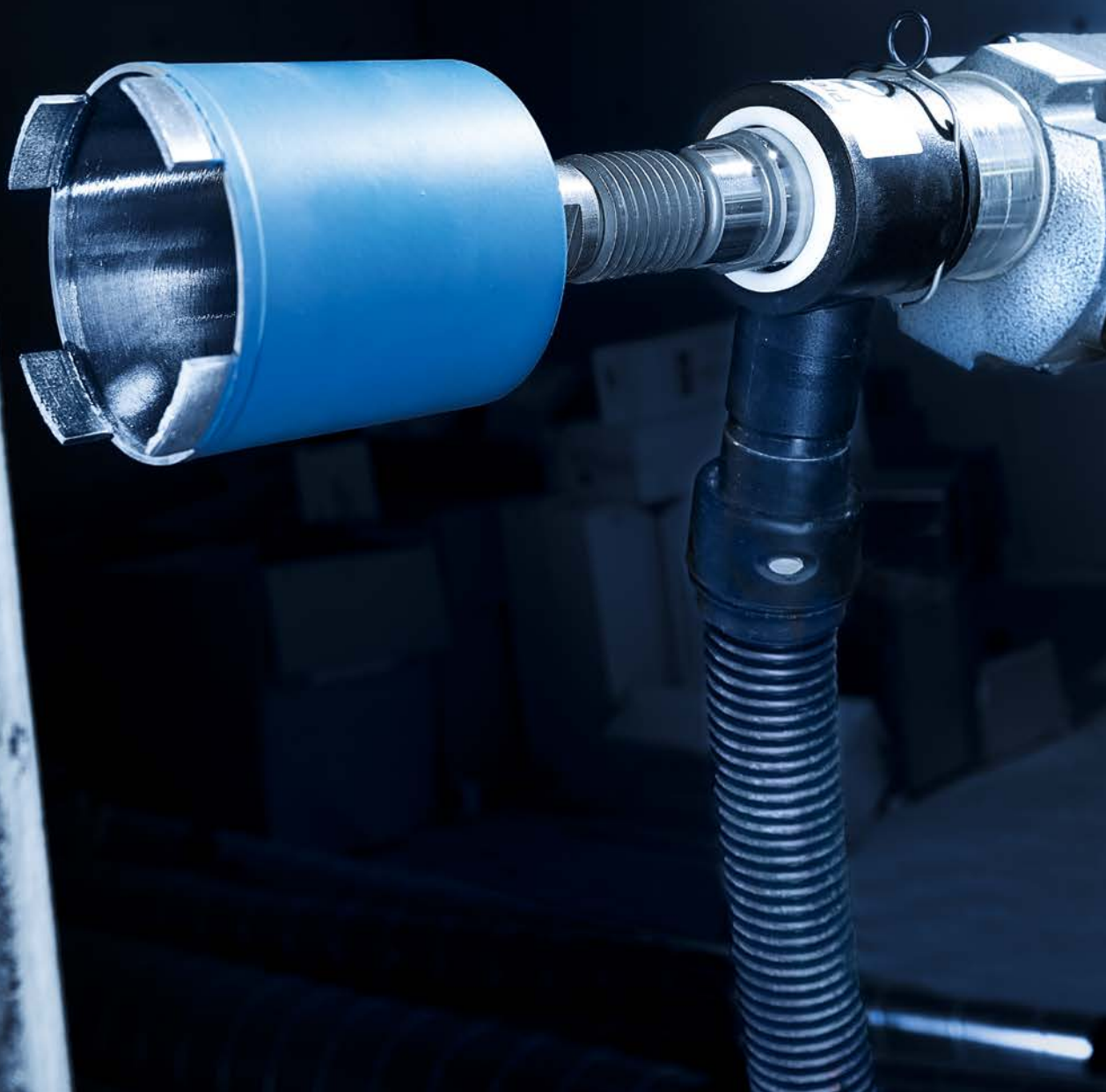
Accessories wet drill bits

Water liners



| | | Type number | Connection | Tool connection |
|---|------|-------------|------------|-----------------|
|  | WSPB | 478074 | SW12 | R½" |

Diamond dry drill bits





Drill bits for dry drilling

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

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

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

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

Selecting the right dry drill bit

| Diameter | ≤ 82 mm | ≥ 91 mm |
|--|---|-------------|
| approx. rpm [rpm] | 2000 - 3000 | 1000 - 1500 |
| Porous concrete (aerated concrete) Plastic piping (PVC, PP, PE) Lightweight refractory bricks Sandstone, porous natural stone Tiles Roofing tiles Clinkers Fine stoneware | without impact drilling | |
| Soft sand-lime blocks Bricks Lightweight concrete blocks Woodchip slabs and blocks Concrete blocks | Impact drilling recommended (no hammer drills!) | |
| Hard sand-lime blocks Terrazzo Concrete Lightly reinforced concrete Beton leicht armiert | Impact drilling necessary (no hammer drills!) | |

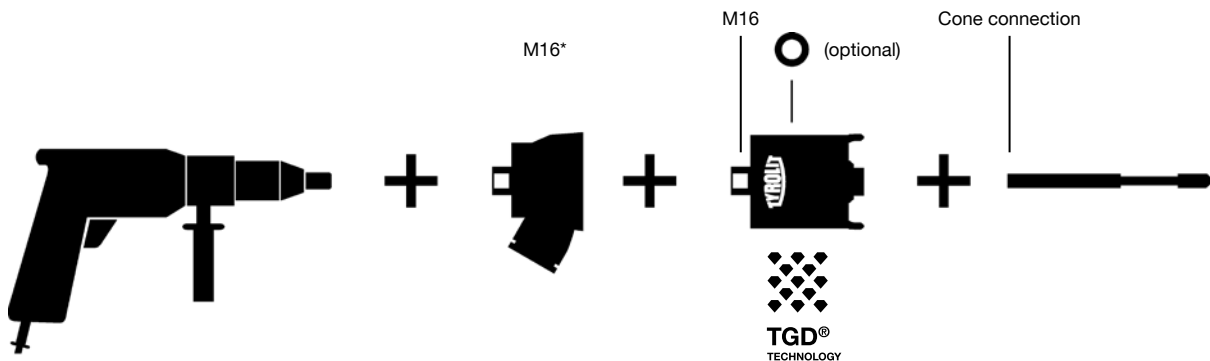
Service

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

Information / Recommendations

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

Dry drilling with compact universal dust extraction system



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

Dry drilling in reinforced concrete

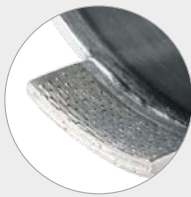
When it comes to dry drilling, the TYROLIT experts know what counts. And our expertise from special projects, such as the safe decommissioning of nuclear power stations, is put to use in the development of our dry drilling product range. The TYROLIT dry drilling system is the first commercial system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

One of a kind

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

TYROLIT dry drill bits in TGD® Technology

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



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



Drill motor DME19DP

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



System & Accessories

System & Accessories

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

Accessories

| | |
|----------|--------------------------------------|
| 10995373 | Centring spike 450 mm |
| 10997916 | Centring spike 250 mm |
| 10995661 | Centring blade Ø 52 mm |
| 10995662 | Centring blade Ø 62 mm |
| 10995663 | Centring blade Ø 68 mm |
| 10995664 | Centring blade Ø 72 mm |
| 10995665 | Centring blade Ø 82 mm |
| 10995666 | Centring blade Ø 92 mm |
| 10995667 | Centring blade Ø 102 mm |
| 10995668 | Centring blade Ø 112 mm |
| 10995669 | Centring blade Ø 122 mm |
| 10995670 | Centring blade Ø 127 mm |
| 10995671 | Centring blade Ø 132 mm |
| 10995672 | Centring blade Ø 142 mm |
| 10995673 | Centring blade Ø 152 mm |
| 10995674 | Centring blade Ø 162 mm |
| 961955 | Adapter 1/2" > M16 |
| 10994032 | Adapter 1 1/4" > M16 |
| 10983964 | Dust extraction adapter M16 |
| 10983845 | Centring spike 140 mm |
| 10986189 | Centring spike 233 mm |
| 10986190 | Strap wrench |
| 497322 | Sharpening plate |
| 980304 | Chisel 300 × 25 mm |
| 34215616 | Abrasive grain for dry drilling |
| 11002426 | Dry vacuum cleaner BBS 606 L (230 V) |

Accessories

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



DDL-RM Dry drill bits

for reinforced concrete | in TGD®-Technology

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



- + **Very long lifetime.**


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

for rig-guided dry drilling applications in reinforced concrete.



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



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

*reinforced concrete is conditionally recommended




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



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

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

| | Type no. | Dimension | Segment height | |
|---|----------|-----------------|-----------------|-----|
|  | HOHLT | 34482398 | 52 x 280 x 1¼" | 8.5 |
| | | 34482399 | 62 x 280 x 1¼" | 8.5 |
| | | 34482400 | 68 x 280 x 1¼" | 8.5 |
| | | 34482411 | 72 x 280 x 1¼" | 8.5 |
| | | 34482412 | 82 x 280 x 1¼" | 8.5 |
| | | 34482413 | 92 x 280 x 1¼" | 8.5 |
| | | 34482414 | 102 x 280 x 1¼" | 8.5 |
| | | 34482415 | 107 x 280 x 1¼" | 8.5 |
| | | 34482416 | 112 x 280 x 1¼" | 8.5 |
| | | 34482417 | 122 x 280 x 1¼" | 8.5 |
| | | 34482418 | 127 x 280 x 1¼" | 8.5 |
| | | 34482419 | 132 x 280 x 1¼" | 8.5 |
| | | 34482420 | 138 x 280 x 1¼" | 8.5 |
| | | 34482431 | 142 x 280 x 1¼" | 8.5 |
| | | 34482433 | 152 x 280 x 1¼" | 8.5 |
| | | 34482438 | 161 x 280 x 1¼" | 8.5 |
| | | 34482439 | 172 x 280 x 1¼" | 8.5 |
| | | 34482440 | 182 x 280 x 1¼" | 8.5 |
| | 34482441 | 187 x 280 x 1¼" | 8.5 | |
| | 34482442 | 202 x 280 x 1¼" | 8.5 | |




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



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

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

| | Type no. | Dimension | Segment height | |
|---|----------|-----------|-----------------|-----|
|  | HOHLT | 34418318 | 52 x 150 x M16 | 8.5 |
| | | 34418319 | 57 x 150 x M16 | 8.5 |
| | | 34418373 | 62 x 150 x M16 | 8.5 |
| | | 34418379 | 68 x 150 x M16 | 8.5 |
| | | 34418382 | 72 x 150 x M16 | 8.5 |
| | | 34418317 | 82 x 150 x M16 | 8.5 |
| | | 34209085 | 92 x 150 x M16 | 8.5 |
| | | 34418385 | 102 x 150 x M16 | 8.5 |
| | | 34418390 | 107 x 150 x M16 | 8.5 |
| | | 34418402 | 112 x 150 x M16 | 8.5 |
| | | 34418403 | 117 x 150 x M16 | 8.5 |
| | | 34418544 | 122 x 150 x M16 | 8.5 |
| | | 34418565 | 127 x 150 x M16 | 8.5 |
| | | 34418549 | 132 x 150 x M16 | 8.5 |
| | | 34418561 | 142 x 150 x M16 | 8.5 |
| | | 34418563 | 152 x 150 x M16 | 8.5 |
| | | 34418564 | 162 x 150 x M16 | 8.5 |




DDE Dry drill bits

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



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

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




DDL Dry drill bits

for lightly reinforced concrete & masonry



Quality tool for daily use, impressive performance and lifetime.

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



DDL Dry drill bits for lightly reinforced concrete & masonry



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

| | | Type no. | Dimension | Segment height |
|--|-------|----------|---------------|----------------|
| | HOHLT | 650292 | 68 × 70 × M16 | 6.5 |
| | | 34445860 | 72 × 70 × M16 | 6.5 |
| | | 650293 | 82 × 70 × M16 | 6.5 |

Dry drill bits accessories Compact universal dust extraction system



Dust extraction adapter compatible for dry drill bits with M16 connection

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

Dry drill bits accessories Connections for all common machines



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

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


Dry drill bits accessories

Centring aids





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

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

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

Dry drill bits accessories



| | Typennummer | Bezeichnung | Produktinfo |
|--|-------------|------------------------|--|
| Centering spikes  | 10999819 | Centering spike 120 mm | Connection without dust extraction adapter Core drill NL 60/70 mm |
| | 10983845 | Centering spike 140 mm | With dust extraction adaptor 10983964 Core drill NL 60/70 mm |
| | 10986189 | Centering spike 233 mm | With dust extraction adaptor 10983964 Core drill NL 150 mm |
| Abrasive grain | 34215616 | Drilling Booster | Loose abrasive grain for sharpening during the application |
| Sharpening plate  | 497322 | | 55 × 25 × 320 |
| | 484627 | | 160 × 30 × 320 |
| | 484672 | | 320 × 55 × 320 |

Tile drilling





DDT Tile drills

for tiles and ceramic materials

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

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



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

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

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

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

Tile drilling wet



DDT Tile drills
for tiles and ceramic materials



| | | Type number | Dimension | Segment height |
|--|-------|-------------|---------------|----------------|
| | HOHLT | 34180136 | 5 × 35 × HEX | 4 |
| | | 69833 | 6 × 35 × HEX | 4 |
| | | 69848 | 8 × 35 × HEX | 4 |
| | | 69855 | 10 × 35 × HEX | 4 |
| | | 69856 | 12 × 35 × HEX | 4 |
| | | 69860 | 14 × 35 × HEX | 4 |
| | | 34562087 | 16 × 35 × HEX | 4 |







Tile drilling dry

★★★
PREMIUM

DDT Tile drills with paraffin
for tiles and ceramic materials





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

★★★
PREMIUM

DDT Tile drills
for tiles and ceramic materials




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

Accessories tile drill bits

Adapter M14



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

Tile drill sets

★★★
PREMIUM

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



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

★★★
PREMIUM

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



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

★★★
PREMIUM

DDT Tile drill-Set HEX Ø 6+8 with paraffin for tiles and ceramic materials



| Type No. | Content |
|----------------|---------------------------------|
| HOHLT 34403124 | Tile drills 2 x Ø 6, 2 x Ø 8 mm |

★★★
PREMIUM

DDT Tile drill-Kit HEX for tiles and ceramic materials



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

★★★
PREMIUM

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



| Type No. | Content |
|----------------|--|
| HOHLT 34229331 | Tile drills Ø 20, 25, 35, 38, 42, 52, 65, 75 mm Adapter M14/HEX, M14/SDS Allen key Pilot drill 7 x 110 Open ended spanner SW19 |

★★★
PREMIUM

DDT Tile drill-set M14 for tiles and ceramic materials



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

★★★
PREMIUM

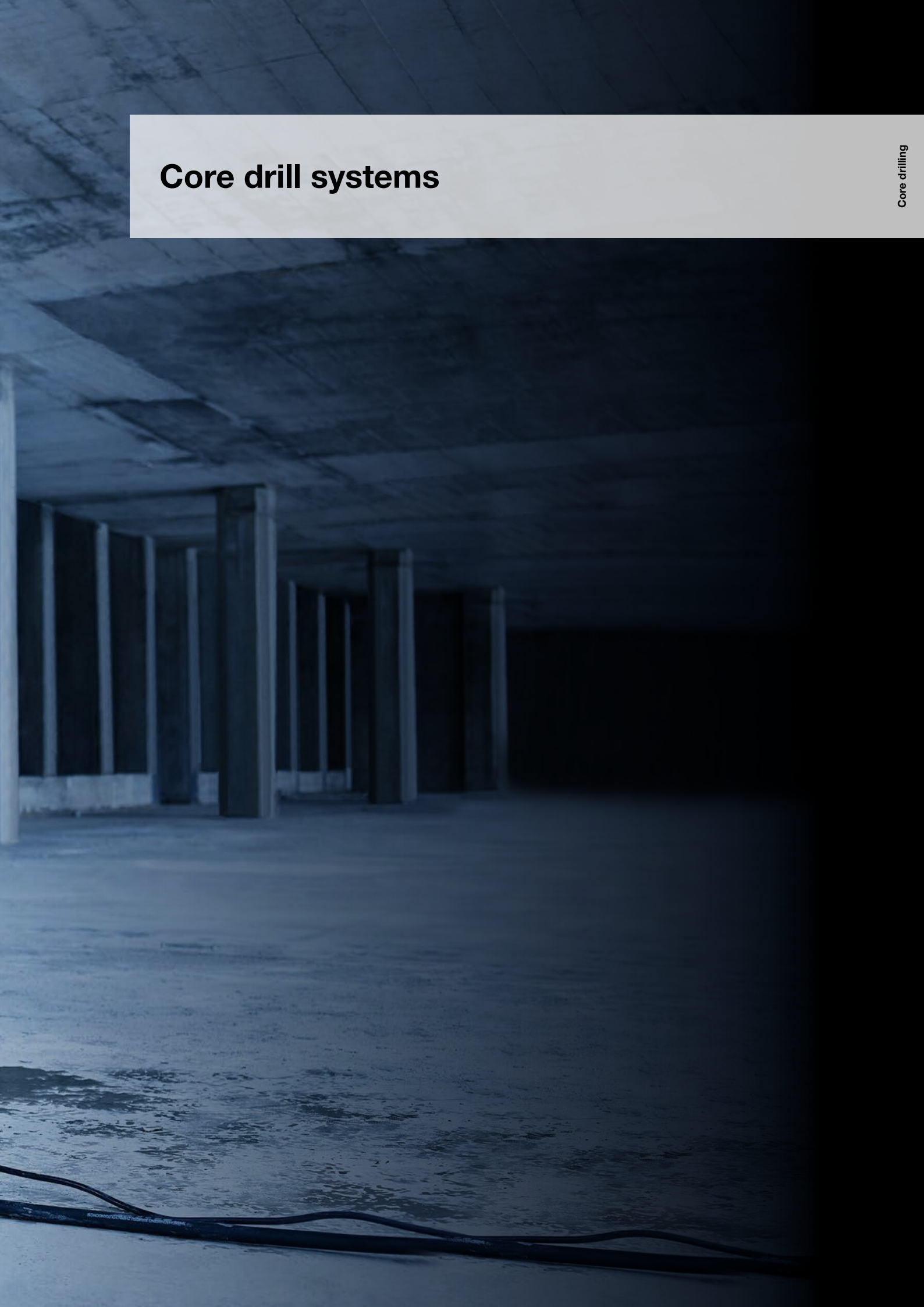
DDT Tile drill-set XL for tiles and ceramic materials





























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



Core drill systems




Selecting guide for core drill systems

| | Power in kW | Application | Drill diameter range in mm | Drill rig recommendation |
|--|-------------|---|----------------------------|---|
|  DME19DP | 1.8 |   | 52 |  DRU160 |
|  DME17DP | 2.0 |   | 30 |  DRU160 |
|  DME22SU | 2.2 |    | 20 |  DRA150 |
|  DME20PU | 2.0 |    | 15 |  DRU160 |
|  DME20PW | 2.0 |   | 15 |  DRU160 |
|  DRS162 | 2.5 |  | 40 | Integrated |
|  DRS250 | 2.5 |  | 50 | Integrated |

 wet

 dry

 also handheld



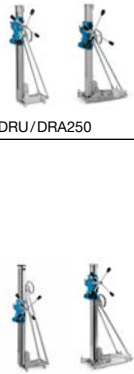






Accessories



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





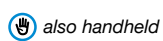
| | Power in kW | Application | Drill diameter range in mm | Drill rig recommendation |
|---|-------------|---|---------------------------------|---|
|  <p>DME33MW, DME33UW</p> | 3.3 |  | <p>50</p> <p>250</p> <p>400</p> |  <p>DRU/DRA250</p> <p>DRU/DRA400</p> |
|  <p>DME52UW</p> | 5.2 |  | <p>100</p> <p>500</p> |  <p>DRA500</p> |
|  <p>DGB1000</p> | |  | <p>150</p> <p>1000</p> |  <p>BC-2</p> |



wet



dry



also handheld



Adaptor M16

Dust vacuum adaptor dry, M16

Centering spike

Vakuun fixing

Fastening bolt assembly

Quick grip device

Ceiling prop

Watertank

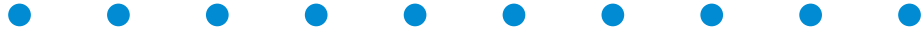
Water retention ring

Extension

ModulDrill™-distance plate

Antifriction-Element

Trolley chassis



★ ★ ★
PREMIUM

Drill motor DME19DP

Core drilling up to Ø 162 mm



System solution for dry drilling reinforced concrete



Activatable/deactivatable soft impact function accelerates work progress



Electronics for soft start and LED indicator for optimum drilling performance

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

Accessories

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

System & Accessories

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

Accessories

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



Drill motor DME17DP

Core drilling up to Ø 200 mm



2-speed transmission with switchable soft impact for optimal drilling performance



Integrated dust extraction for a clean working environment



Can be hand-held or drill-rig guided

The DME17 is a 2-speed dry drill motor for drilling diameters up to 200 mm. The powerful 2.0 kW motor, in combination with the switchable soft impact, enhances the drilling performance in reinforced concrete and in other hard materials. The machine can be both hand-held and drill-rig operated. The compact

design, low weight and integrated dust extraction system makes the core drill very user-friendly. This model is unique in that it is available in three speed versions (standard, slow and quick) and thus optimally covers the most varied of customer needs.

System & Accessories

Technical data

| Drill motor | DME17DP | DME17DP-L | DME17DP-S |
|--|-------------------|-----------------------|-------------------|
| Nominal voltage/frequency | | 230 V/50-60 Hz | |
| Type no. | 11000001 | 11000002 | 11000003 |
| Drill diameter range | 30-180 mm | 40-200 mm | 30-120 mm |
| Max. drill diameter in reinforced concrete | 150 mm | 180 mm | 100 mm |
| Nominal power | | 2.0 kW | |
| Speed | 700/1700 rpm | 540/1200 rpm | 900/1,700 rpm |
| Impact frequency | 14,000/34,000 rpm | 10,800/24,000 rpm | 16,200/30,600 rpm |
| Motor cooling | | Air | |
| Tool attachment | | 1 ¼" | |
| Operation | | Hand-held / rig-based | |
| Application | | Dry | |
| Electronic overload cut-out | | • | |
| Mechanical overload cut-out | | • | |
| Drill rig attachment | | Clamping collar 60 mm | |

Dimensions & weight

| | |
|--------|--------|
| Length | 510 mm |
| Width | 110 mm |
| Height | 160 mm |
| Weight | 5 kg |

System & Accessories

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

★★
STANDARD

Drill motor DME22SU

Core drilling up to Ø 180 mm



Three-speed transmission for optimum rotational speeds



Dry drilling with the included M16 adapter



Comes in a handy transport case

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

System & Accessories

| Core drilling system with DRU160 Drill rig | |
|--|------------------------------|
| 10993027 | Electric drill motor DME22SU |
| 10987400 | Drill rig DRU160 |
| 11002077 | Fastening bolt assembly |

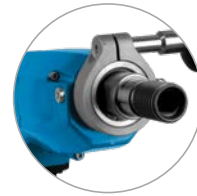
Accessories

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

★★★
PREMIUM

Drill motors DME20PW | DME20PU

Core drilling up to Ø 180 mm



Performance and service indicator as well as levelling aid



Compact and ergonomic design



Quick changeover between wet and dry drilling with DME20PU

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

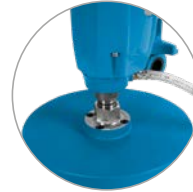
System & Accessories

| Core drilling system with DRU160 Drill rig | |
|--|---|
| 10992077 | Electric drill motor DME20PW |
| 10992079 | Electric drill motor DME20PU |
| 10987400 | Drill rig DRU160 |
| 976014 | Vakuum set |
| 10999500 | VPE600 Vaccum pump 230V EU/CH |
| 975381 | Vakuum hose 3 m complete |
| Accessories | |
| 400439 | Extension ½" 100 mm |
| 359475 | Extension ½" 200 mm |
| 359476 | Extension ½" 300 mm |
| 889232 | Extension ½" 400 mm |
| 707230 | Extension ½" 500 mm |
| 378198 | Extension 1 ¼" 100 mm |
| 359471 | Extension 1 ¼" 200 mm |
| 359472 | Extension 1 ¼" 300 mm |
| 359473 | Extension 1 ¼" 400 mm |
| 359474 | Extension 1 ¼" 500 mm |
| 10996327 | Centering spike 250–300 mm |
| 10996328 | Centering spike 400–450 mm |
| 963339 | Anti-friction element 1 ¼", max. 2.4 kW |
| 974984 | Supporting ring alum. 1 ¼" |



Drill motors DME33MW | DME33UW

Core drilling up to Ø 450 mm



Large drilling diameter range up to 450 mm



Performance and service indicator as well as levelling aid



Practical carrying handle

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

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

System & Accessories

Technical data

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRA400 (Steel dowel foot)

| | |
|----------|--------------------------------------|
| 10992085 | Electric drill motor DME33MW |
| 10987600 | Drill rig DRA400 |
| 964906 | ModulDrill™-Distance plate Ø +180 mm |
| 11002077 | Fastening bolt assembly |

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

| | |
|----------|-------------------------------|
| 10992085 | Electric drill motor DME33MW |
| 10984600 | Drill rig DRU400 |
| 977368 | Vacuum set |
| 10999500 | VPE600 Vacuum pump 230V EU/CH |
| 975381 | Vacuum hose 3 m complete |

Accessories

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



Drill motor DME52UW

Core drilling up to Ø 500 mm



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



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



Robust plastic-foil keyboard, LED performance indicator and Softstart

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

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

System & Accessories

Technical data

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

Dimensions & weight

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

System & Accessories

| Core drilling system DRA500 (steel dowel foot) | |
|---|--------------------------------------|
| 10998818 | Drill motor DME52UW |
| 10987700 | Drill rig DRA500 |
| 977464 | ModulDrill mounting plate |
| 964907 | ModulDrill distance plate Ø +250 mm |
| 11002077 | Fastening bolt assembly for concrete |

Accessories

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

Drill hammer DHE32

Universal drill hammer up to \varnothing 32 mm



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



Quick tool change system for SDS Plus drill bits



Ideal for setting anchors

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

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

System & Accessories

Technical data

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

Drive

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

Dimensions & weight

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

System & Accessories

| | |
|---------------------------|---|
| Drill hammer DHE32 | |
| 11002624 | Drill hammer DHE32/230 V incl. 16 mm drill |

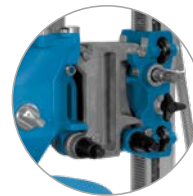


Modular electric drilling gearbox DGB1000

Core drilling up to \varnothing 1 000 mm



Optimised drill bit attachment for large bore drilling



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



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

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

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

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

Technical data

Modular drilling gearbox

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

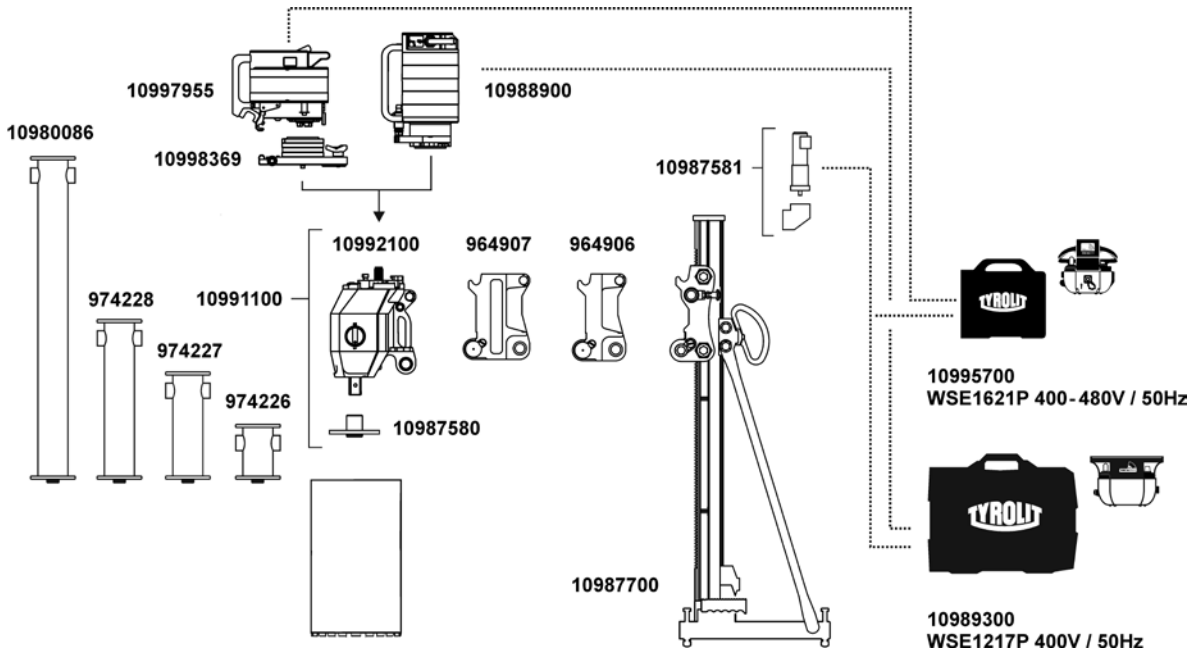
Dimensions & weight

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

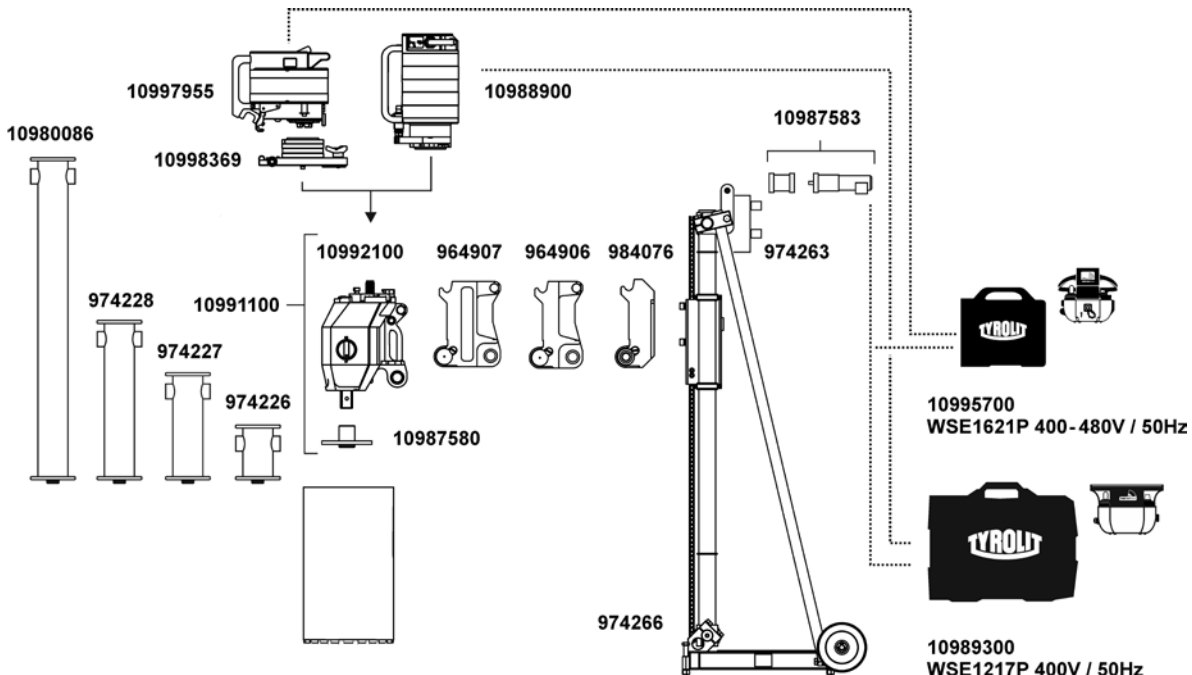
Design

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

System recommendation



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



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

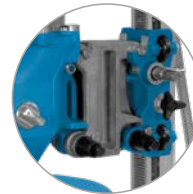


Modular hydraulic drilling gearbox DGB1000

Core drilling up to \varnothing 1 000 mm



Optimised drill bit attachment for large bore drilling



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



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

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

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

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

Technical data

Modular drilling gearbox

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

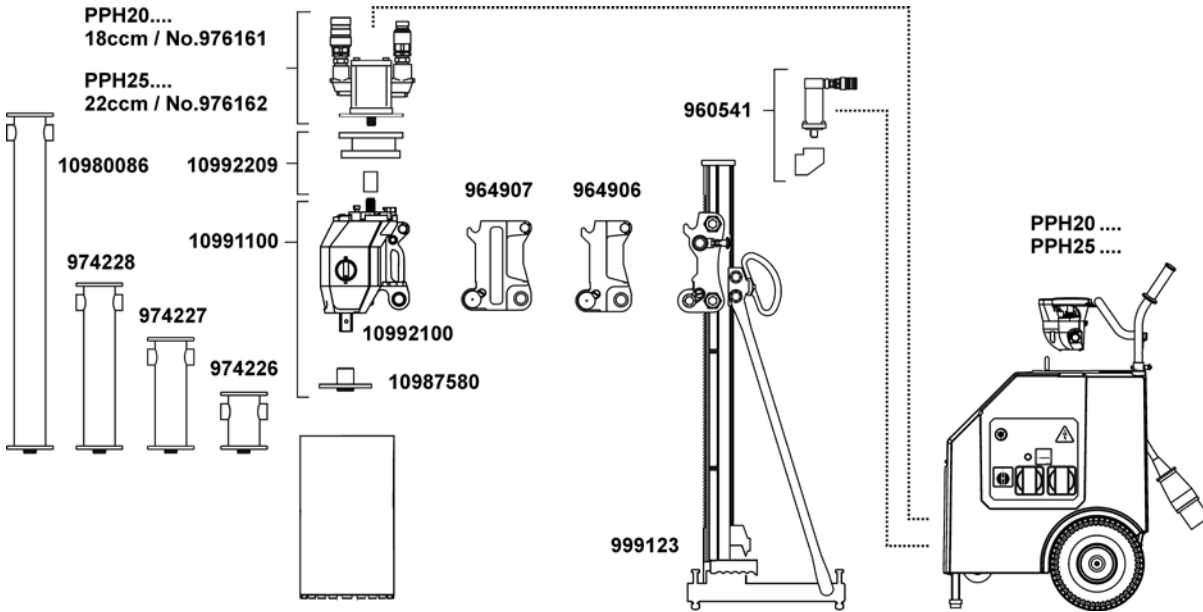
Design

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

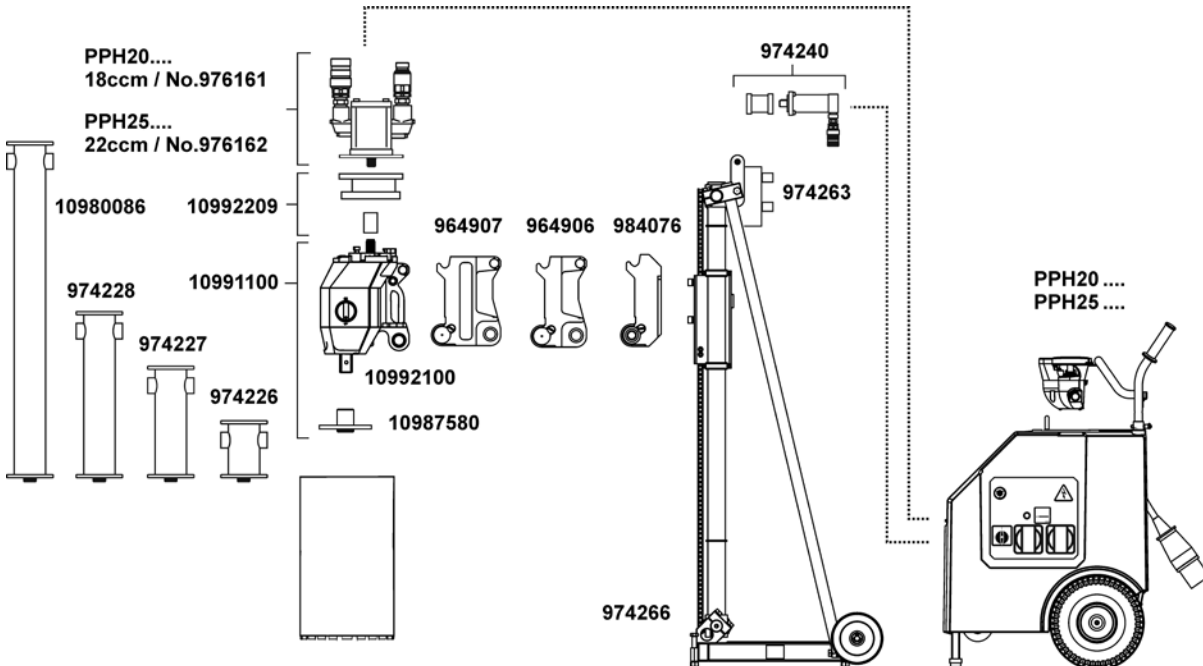
Dimensions & weight

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

System recommendation



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



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

★★
STANDARD

Core drilling system DRS162

Core drilling up to Ø 162 mm



Powerful 2.5 kW Motor



One speed for drilling diameters up to 162 mm



Space-saving attachment facility via dowel foot

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

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

System & Accessories

Technical data

Drill rig (integrated)

| | |
|-----------------------|-----------|
| Bore hole diameter | 40–162 mm |
| Max. drill bit length | 556 mm |

Drill rig (integrated)

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

Electronic overload cut-out

Mechanical overload cut-out

PRCD protection switch

Design

Aluminium dowel foot

Feed using hand crank

Adjustable feet (M12)

1 handle

Motor fixed integrated

Dimensions & Weight

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

System & Accessories

Core drilling system DRS162

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

Accessories

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



Core drilling system DRS250

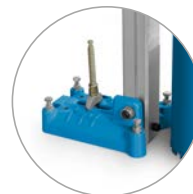
Core drilling up to Ø 250 mm



Drilling diameter up to 250 mm with 2-speed gearbox



Powerful 2.5 kW motor



Space-saving fixing option via dowel foot

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

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

System & Accessories

Technical data

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

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

Design

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

Dimensions & Weight

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

System & Accessories

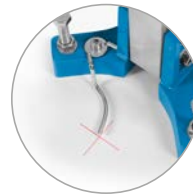
| Core drilling system DRS250 | |
|-----------------------------|--|
| 10999880 | Core drilling system DRS250 / 230 V (dowel feet) |
| 10993966 | Fastening bolt assembly |

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

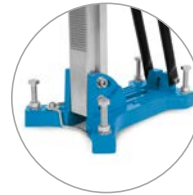
★★
STANDARD

Drill rig DRA150

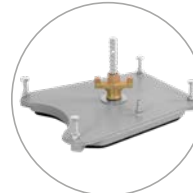
Core drilling up to Ø 152 mm



Integrated centre indicator



Compact dowel foot



Optional vacuum plate

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

System & Accessories

Technical data

Drill rig DRA150

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system with DRA150

| | |
|----------|------------------------------|
| 10993967 | Drill rig DRA150 |
| 10993027 | Electric drill motor DME22SU |
| 10993966 | Fastening bolt assembly |

Accessories

| | |
|----------|---|
| 10993961 | Vacuum plate complete |
| 10999500 | VPE600 Vacuum pump 230V EU/CH |
| 975381 | Vacuum hose 3 m komplett |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 10993964 | Water retention ring complete Ø 152 mm |
| 10993965 | Gasket Ø 152 mm |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 10991465 | Water tank 10 l |

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

System & Accessories

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



Drill rigs DRA250 | DRU250

Core drilling up to Ø 250 mm



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



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



DRU250 with aluminium dowel-vacuum base. Drilling in the most restricted space with steel dowel foot DRA250

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

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

System & Accessories



Technical data

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

Design

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

Dimensions & Weight

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

System recommendation

Core drilling system with DRA250 (Steel dowel foot)

| | |
|----------|-------------------------|
| 10987500 | Drill rig DRA250 |
| 10992085 | El. drill motor DME33MW |
| 11002077 | Fastening bolt assembly |

Accessories DRA250

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

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

Core drilling system with DRU250 (Dowel-vacuum foot)

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

Accessories DRU250

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

★ ★
STANDARD

Drill rig BY

Core drilling up to Ø 300 mm



2-column guide principle
with chain drive



Fixed, ergonomic position of
handwheel



Compact design without
support rods

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

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

System & Accessories

Technical data

Drill rigs BY

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

Design

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

Feed via a handwheel

Ergonomic handwheel position

Steel dowel foot

ModulDrill™ quick clamping system

Optional feed gear 1:3

Optional double support bar

Dimensions & weight

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

System & Accessories

System proposal

| | |
|----------|-------------------------------|
| 974229 | Drill rigs BY |
| 977462 | Handwheel |
| 984076 | MudulDrill™ mounting plate |
| 10992085 | Drill motor DME33MWP |
| 974238 | Feed gear 1:3 (optional) |
| 976139 | Double support bar (optional) |

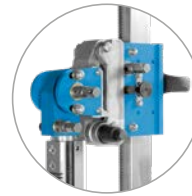
Accessories

| | |
|----------|---|
| 11002077 | Fastening bolt assembly for concrete |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 10991465 | Watertank 10 l |

★★★
PREMIUM

Core drilling system DRU350

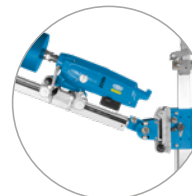
Core drilling up to Ø 350 mm



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



Quick assembly and disassembly thanks to innovative telescope clamping system



Easy diagonal drilling due to intelligent design

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

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

System & Accessories



Technical data

Drill rig DRU350

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRU350

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

Accessories

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

★ ★ ★
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 $90^\circ-45^\circ$ | | |
| Centre indicator (DRU400) | | |
| Angle indicator | | |
| Spirit level | | |
| Adjustable feet (M12) | | |
| Adjustable and interchangeable roller guides | | |
| Handle | 1 piece | 2 piece |
| ModulDrill™ quick change clamping system | | |

Dimensions & Weight

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

System recommendation

Core drilling system with DRU400

| | |
|----------|-------------------------------|
| 10984600 | Drill rig DRU400 |
| 10992085 | El.drill. motor DME33MW |
| 977368 | Vacuum plate |
| 10999500 | VPE600 Vacuum pump 230V EU/CH |
| 975381 | Vacuum hose 3 m complete |

Accessories DRU400

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

| | |
|----------|--|
| 975381 | Vacuum hose 3 m complete |
| 961614 | Ceiling prop |
| 977394 | Quick grip device, 1.7–3.1 m |
| 977448 | Clamp for quick grip device, 1.7–3.1 m |
| 11000588 | Fastening bolt assembly for vacuum base |
| 11000589 | Fastening bolt assembly (masonry), for vacuum base |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 964906 | ModulDrill™ distance plate $\varnothing +180$ mm |
| 977464 | ModulDrill™ mounting plate |
| 10988898 | Water retention ring complete $\varnothing 250$ mm |
| 977438 | Water retention ring holder complete |
| 977447 | Gasket $\varnothing 250$ mm |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 977392 | Trolley chassis |
| 967588 | Tool bag |
| 10991465 | Water tank 10 l |

Core drilling system with DRA400

| | |
|----------|--|
| 10987600 | Drill rig DRA400 |
| 10992085 | Electric drill motor DME33MW |
| 964906 | ModulDrill™ distance plate $\varnothing +180$ mm |
| 11002077 | Fastening bolt assembly dowel feet |

Accessories DRA400

| | |
|----------|--|
| 975378 | Vacuum plate complete |
| 10999500 | VPE600 Vacuum pump 230V EU/CH |
| 975381 | Vacuum hose 3 m complete |
| 961614 | Ceiling prop |
| 977394 | Quick grip device, 1.7–3.1 m |
| 977448 | Clamp for quick grip device, 1.7–3.1 m |
| 11002077 | Fastening bolt assembly concrete dowel feet |
| 964906 | ModulDrill™ distance plate $\varnothing +180$ mm |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 977464 | ModulDrill™ mounting plate |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 977392 | Trolley chassis |
| 967588 | Tool bag |
| 10991465 | Water tank 10 l |

★ ★ ★
PREMIUM

Core drilling system DRA500 electric

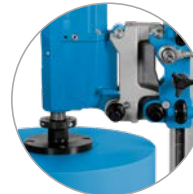
Core drilling up to Ø 500 mm



Drilling column extensions
from 230 to 910 mm



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



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

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

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

System & Accessories



Technical data

Drill rig DRA500

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRA500

| | |
|----------|--|
| 10998818 | Drill motor DME52UW |
| 10987700 | Drill rig DRA500 |
| 964907 | ModulDrill™ distance plate $\varnothing +250$ mm |
| 11002077 | Fastening bolt assembly |

Accessories

| | |
|----------|--|
| 977394 | Quick grip device, 1.7–3.1 m |
| 977448 | Clamp for quick grip device, 1.7–3.1 m |
| 11002077 | Fastening bolt assembly |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 984969 | Rig extension 230 mm |
| 984970 | Rig extension 460 mm |
| 984971 | Rig extension 910 mm |
| 977446 | Additional support for rig extension, 910 mm |
| 964906 | ModulDrill™ distance plate $\varnothing +180$ mm |
| 964907 | ModulDrill™ distance plate $\varnothing +250$ mm |
| 977464 | ModulDrill™ mounting plate |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 977392 | Trolley chassis |
| 964378 | Tool box |
| 10991465 | Water tank 10 l |

★★★
PREMIUM

Core drilling system DRA500 hydraulic

Core drilling up to Ø 500 mm



Time saving drill motor mounting via ModulDrill™ quick clamping system



Continuously variable drilling adjustment with powerful hydraulic feed



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

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

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

System & Accessories



Technical data

Drill rig DRA500

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

Design

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

Dimensions & Weight

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

System & Accessories

Core drilling system DRA500

| | |
|----------|--|
| 10987700 | Drill rig DRA500 |
| 976032 | Motor complete B 145 ccm / FD incl. PRV* |
| 974276 | Drill spindle 1 ¼" complete incl. key |
| 960630 | ModulDrill™ spindle clamp 250 mm |
| 960541 | Hydraulic feed unit |
| 11002077 | Fastening bolt assembly |

Accessories

| | |
|----------|--|
| 977394 | Quick grip device, 1.7–3.1 m |
| 977448 | Clamp for quick grip device, 1.7–3.1 m |
| 11002077 | Fastening bolt assembly |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 984969 | Rig extension 230 mm |
| 984970 | Rig extension 460 mm |
| 984971 | Rig extension 910 mm |
| 977446 | Additional support for rig extension, 910 mm |
| 964906 | ModulDrill™ distance plate $\varnothing +180$ mm |
| 964907 | ModulDrill™ distance plate $\varnothing +250$ mm |
| 974270 | Extraction device for core bits |
| 977353 | Extraction device for cores |
| 977392 | Trolley chassis |
| 964378 | Tool box |
| 10991465 | Water tank 10 l |

Hydraulic drill motors (on drill spindle)

With hydraulic feed

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

With manual feed (with control valve)

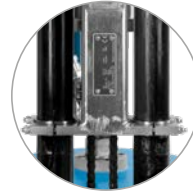
| | |
|--------|--------------------------------------|
| 976146 | Motor unit B 60 ccm / FD incl. PRV* |
| 976147 | Motor unit B 75 ccm / FD incl. PRV* |
| 976148 | Motor unit B 100 ccm / FD incl. PRV* |
| 976023 | Motor unit B 145 ccm / FD incl. PRV* |
| 976024 | Motor unit B 160 ccm / FD incl. PRV*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

* PRV = Pressure control valve

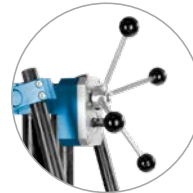


Core drilling system BC-2 electric

Core drilling up to \varnothing 1 000 mm



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



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



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

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

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

System & Accessories



Technical data

Drill rig BC-2

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

Design

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

Dimensions & Weight

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

System & Accessories

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

System suggestion

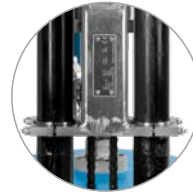
Core drilling system BC-2

| | |
|----------|---|
| 974266 | Drill rig BC-2 |
| 984076 | Fastening plate for ModulDrill™ |
| 10991100 | Drill gearbox DGB1000 |
| 10998369 | Drilling and circular wire saw kit WSE1621 |
| 10997955 | Electric main drive motor WSE1621 400–480 V / 50 Hz |
| 974263 | Feed gear 2-speed |
| 11002700 | Electric control unit WSE1621 400 V 50 Hz incl. radio remote control |
| 10987583 | Feed motor |
| 11002077 | Fastening bolt assembly |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |



Core drilling system BC-2 hydraulic

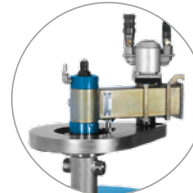
Core drilling up to Ø 1 000 mm



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 |
| 11002077 | Fastening bolt assembly |
| 11002624 | Drill hammer DHE32 / 230 V incl. 16 mm drill |
| 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 |
| 11002077 | Fastening bolt assembly |

* PRV = Pressure control valve





Wall sawing

| | |
|------------------------|------------|
| Information | 100 |
| Wall saw blades | 102 |
| Machines | 110 |



Wall saw blades

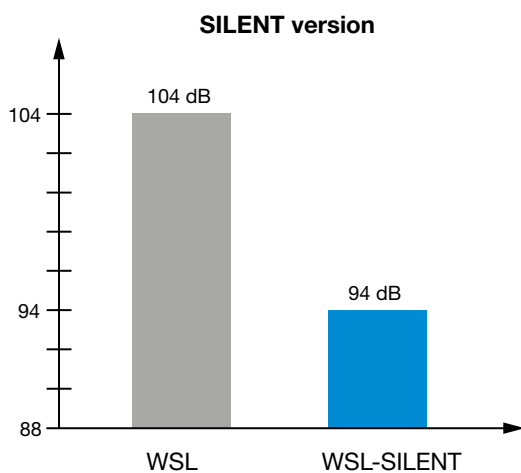
Decades of experience in the production and application of wall saw blades and machines give TYROLIT the edge in the marketplace.

As a result our wall saw blades and machines can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use. Particularly suitable for apertures and

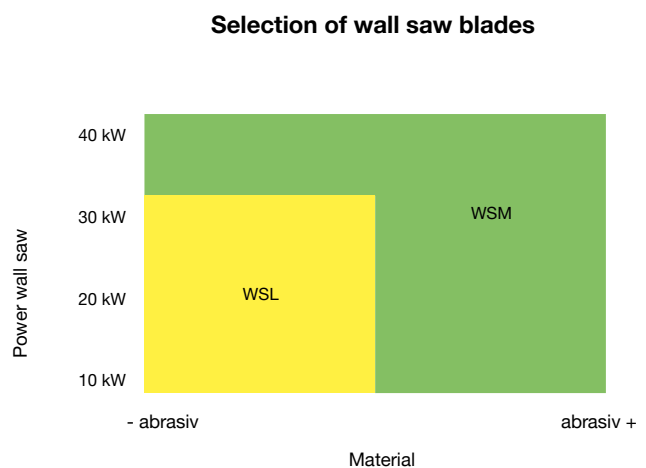
openings in walls or ceilings as well as in reinforced or normal concrete with wall thicknesses up to 100 cm.

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

Application recommendation & information TYROLIT wall saw blades



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

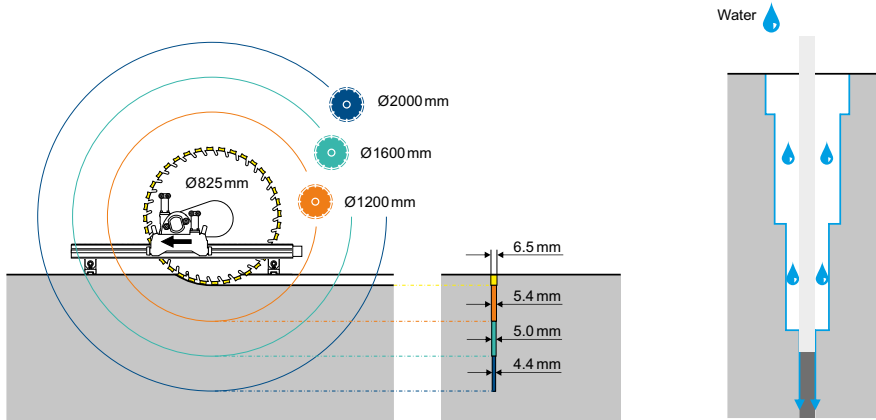


Selection of the correct wall saw blade according to the power class of the wall saw and the material to be processed.

Recommendations

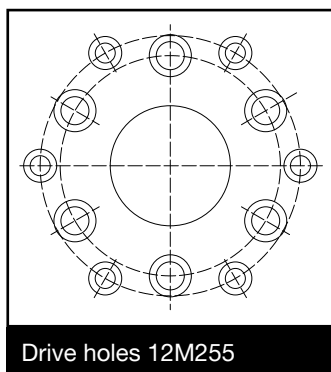
- + Highest levels of performance at peripheral speeds of 35–45 m/s on concrete
- + The correct coolant quantity is also important for optimum cutting performance
- + The machine safety and user instructions must be read and understood before starting work
- + The safety manual will be sent to you on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

WSL-DEEP CUT Wall saw blades



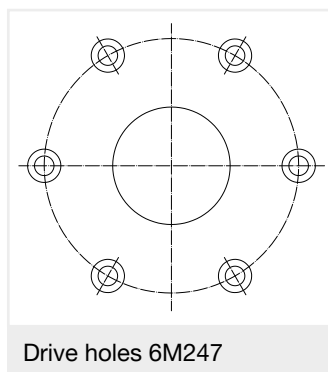
The WSL-DEEP CUT series: It provides wide segments at the beginning and can go blade wise narrower to the wanted cutting depth. This ensures a good opening on both sides of the steel core and for his reason the cooling water reaches the diamond segment in a good manner.

Drive holes 12M255



Combination for TYROLIT wall saw heads in Central Europe (except WSE811 MKII) and HILTI / HUSQVARNA wall saw heads

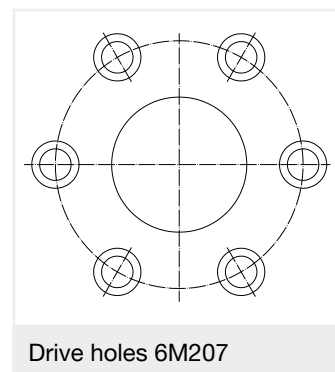
=



For TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

6M247 = 12M109 without cooling drive holes

+



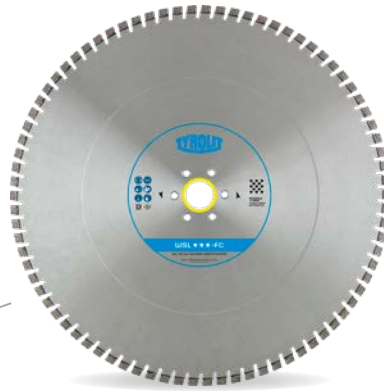
For HILTI / HUSQVARNA wall saw heads



WSL-FAST CUT Wall saw blades

in TGD®-Technology

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



- + **Very long lifetime.**

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

Laser welded segments for maximum safety.



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



| | Shape | Type number | Dimension | Drive holes | Segment height |
|----------|-----------------|-------------|-----------------|-------------|----------------|
| | | C7W | | | |
| | | 34336798 | 600 × 4.9 × 60 | 6M199 | 13 |
| | | 34497746 | 600 × 4.9 × 60 | 12M255 | 13 |
| | | 34378038 | 650 × 4.4 × 60 | 6M199 | 13 |
| | | 34549337 | 650 × 4.9 × 60 | 12M255 | 13 |
| | | 34378037 | 750 × 4.4 × 60 | 6M199 | 13 |
| | | 34478330 | 800 × 4.4 × 60 | 12M255 | 13 |
| | | 34541416 | 800 × 4.9 × 60 | 12M255 | 13 |
| | | 34377291 | 825 × 3.9 × 60 | 6M199 | 13 |
| | | 34377152 | 825 × 4.4 × 60 | 6M199 | 13 |
| | | 34475637 | 825 × 4.4 × 60 | 12M255 | 13 |
| | | 34475635 | 825 × 4.9 × 60 | 12M255 | 13 |
| | | 34549162 | 925 × 4.4 × 60 | 12M255 | 13 |
| | | 34549338 | 925 × 4.9 × 60 | 12M255 | 13 |
| | | 34479554 | 1000 × 4.4 × 60 | 12M255 | 13 |
| | | 34475636 | 1025 × 4.4 × 60 | 12M255 | 13 |
| | | 34496902 | 1025 × 4.9 × 60 | 12M255 | 13 |
| 34497747 | 1200 × 4.4 × 60 | 12M255 | 13 | | |

6M199: for TYROLIT wall saw head WSE811 MKII

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

12M109/6M247 without cooling drive holes: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

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

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

● = low

● = medium

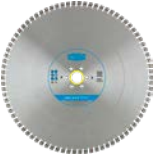



WSL-FAST CUT-LONGLIFE Wall saw blades in TGD®-Technology



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

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

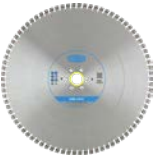

| | Shape | Type number | Dimension | Drive holes | Segment height |
|---|--|-------------|-----------------|-------------|----------------|
|  |  C71W | 34336749 | 600 × 3.9 × 60 | 6M199 | 13 |
| | | 34549616 | 600 × 4.9 × 60 | 12M255 | 13 |
| | | 34549620 | 650 × 4.9 × 60 | 12M255 | 13 |
| | | 34475692 | 800 × 4.9 × 60 | 12M255 | 13 |
| | | 34475693 | 825 × 4.4 × 60 | 12M255 | 13 |
| | | 34493780 | 825 × 4.9 × 60 | 12M255 | 13 |
| | | 34549618 | 925 × 4.4 × 60 | 12M255 | 13 |
| | | 34475694 | 1025 × 4.4 × 60 | 12M255 | 13 |
| | | 34493779 | 1025 × 4.9 × 60 | 12M255 | 13 |
| | | 34549617 | 1200 × 4.4 × 60 | 12M255 | 13 |



WSL Wall saw blades in TGD®-Technology



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

| | Shape | Type number | Dimension | Drive holes | Segment height |
|---|--|-------------|----------------|-------------|----------------|
|  |  C71W | 34018259 | 600 × 3.9 × 60 | 6M199 | 13 |
| | | 34359375 | 600 × 3.9 × 60 | 12M255 | 13 |
| | | 34018260 | 600 × 3.9 × 60 | 12M112 | 13 |
| | | 34301250 | 600 × 4.4 × 60 | 12M255 | 13 |
| | | 34018276 | 600 × 4.4 × 60 | 12M112 | 13 |
| | | 34275378 | 600 × 4.9 × 60 | 12M255 | 13 |
| | | 34018309 | 600 × 4.9 × 60 | 12M112 | 13 |
| | | 34195250 | 650 × 3.9 × 60 | 6M199 | 13 |
| | | 34195301 | 650 × 4.4 × 60 | 6M199 | 13 |
| | | 34199529 | 650 × 4.9 × 60 | 12M255 | 13 |
| | | 34549506 | 700 × 3.9 × 60 | 12M255 | 13 |
| | | 34549509 | 750 × 3.9 × 60 | 12M255 | 13 |
| | | 34018269 | 750 × 3.9 × 60 | 6M199 | 13 |
| | | 34195304 | 750 × 4.4 × 60 | 6M199 | 13 |
| | | 34359379 | 800 × 3.9 × 60 | 12M255 | 13 |
| | | 34018272 | 800 × 3.9 × 60 | 12M112 | 13 |
| | | 34254745 | 800 × 4.4 × 60 | 12M255 | 13 |
| | | 34018280 | 800 × 4.4 × 60 | 12M112 | 13 |
| | | 34018313 | 800 × 4.9 × 60 | 12M112 | 13 |
| | | 34549511 | 825 × 3.9 × 60 | 12M255 | 13 |
| | | 34208097 | 825 × 4.4 × 60 | 12M255 | 13 |
| | | 34168251 | 825 × 4.9 × 60 | 12M255 | 13 |





WSL Wall saw blades in TGD®-Technology



| | Shape | Type number | Dimension | Drive holes | Segment height |
|--|-------|-------------|-----------------|-------------|----------------|
| | | C71W | | | |
| | | 34549512 | 900 × 4.4 × 60 | 12M255 | 13 |
| | | 34194330 | 900 × 4.9 × 60 | 12M255 | 13 |
| | | 34254746 | 925 × 4.4 × 60 | 12M255 | 13 |
| | | 34549515 | 925 × 4.9 × 60 | 12M255 | 13 |
| | | 34018298 | 1000 × 4.4 × 60 | 12M112 | 13 |
| | | 34232142 | 1025 × 4.4 × 60 | 12M255 | 13 |
| | | 34430930 | 1025 × 4.9 × 60 | 12M255 | 13 |
| | | 34018304 | 1200 × 4.4 × 60 | 12M112 | 13 |
| | | 34194331 | 1200 × 4.4 × 60 | 12M255 | 13 |



WSL-SILENT Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety. Reduces noise by up to 10 dB.

| | Shape | Type number | Dimension | Drive holes | Segment height |
|--|-------|-------------|-----------------|-------------|-----------------|
| | | C71GW | | | |
| | | 34018139 | 600 × 3.9 × 60 | 12M112 | 13 |
| | | 34359351 | 600 × 4.4 × 60 | 6M247 | 13 |
| | | 34018152 | 600 × 4.4 × 60 | 6M199 | 13 |
| | | 34359353 | 600 × 4.9 × 60 | 6M247 | 13 |
| | | 34018159 | 600 × 4.9 × 60 | 12M112 | 13 |
| | | 34195471 | 650 × 4.4 × 60 | 6M199 | 13 |
| | | 34549638 | 650 × 4.9 × 60 | 6M247 | 13 |
| | | 34018166 | 700 × 4.4 × 60 | 12M112 | 13 |
| | | 34195605 | 750 × 4.4 × 60 | 6M199 | 13 |
| | | 34197742 | 800 × 4.4 × 60 | 6M207 | 13 |
| | | 34359356 | 800 × 4.4 × 60 | 6M247 | 13 |
| | | 34018170 | 800 × 4.4 × 60 | 12M112 | 13 |
| | | 34359358 | 800 × 4.9 × 60 | 6M247 | 13 |
| | | 34018174 | 800 × 4.9 × 60 | 12M112 | 13 |
| | | 34040269 | 825 × 4.4 × 60 | 6M207 | 13 |
| | | 34366463 | 825 × 4.4 × 60 | 6M247 | 13 |
| | | 34444588 | 825 × 4.9 × 60 | 6M247 | 13 |
| | | 34018177 | 1000 × 4.4 × 60 | 12M112 | 13 |
| | | 34444590 | 1025 × 4.4 × 60 | 6M247 | 13 |
| | | 34359373 | 1200 × 4.4 × 60 | 6M247 | 13 |
| | | | | 34018183 | 1200 × 4.4 × 60 |

6M199: for TYROLIT wall saw head WSE811 MKII

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

12M109/6M247 without cooling drive holes: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

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

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

● = low

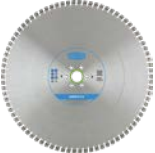

● = medium



WSM Wall saw blades in TGD®-Technology



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



| | Shape | Type number | Dimension | Drive holes | Segment height |
|---|---|-------------|-----------------|-------------|----------------|
|  |  | C71W | | | |
| | | 34549642 | 600 × 4.4 × 60 | 12M255 | 13 |
| | | 34018208 | 600 × 4.4 × 60 | 12M112 | 13 |
| | | 34549643 | 650 × 4.4 × 60 | 12M255 | 13 |
| | | 34244855 | 650 × 4.9 × 60 | 12M255 | 13 |
| | | 34018224 | 650 × 4.9 × 60 | 12M112 | 13 |
| | | 34549644 | 700 × 4.4 × 60 | 12M255 | 13 |
| | | 34018227 | 700 × 4.4 × 60 | 12M112 | 13 |
| | | 34549645 | 750 × 4.4 × 60 | 12M255 | 13 |
| | | 34018229 | 750 × 4.4 × 60 | 12M112 | 13 |
| | | 34549646 | 800 × 4.4 × 60 | 12M255 | 13 |
| | | 34018241 | 800 × 4.4 × 60 | 12M112 | 13 |
| | | 34517568 | 800 × 4.9 × 60 | 12M255 | 13 |
| | | 34018243 | 800 × 4.9 × 60 | 12M112 | 13 |
| | | 34244861 | 825 × 4.4 × 60 | 12M255 | 13 |
| | | 34244853 | 825 × 4.9 × 60 | 12M255 | 13 |
| | | 34549648 | 925 × 4.4 × 60 | 12M255 | 13 |
| | | 34549649 | 1000 × 4.4 × 60 | 12M255 | 13 |
| | | 34018251 | 1000 × 4.4 × 60 | 12M112 | 13 |
| | | 34244857 | 1025 × 4.4 × 60 | 12M255 | 13 |
| 34549647 | 1025 × 4.9 × 60 | 12M255 | 13 | | |
| 34244856 | 1200 × 4.4 × 60 | 12M255 | 13 | | |
| 34018255 | 1200 × 4.4 × 60 | 12M112 | 13 | | |



WSM-SILENT Wall saw blades in TGD®-Technology



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety. Reduces noise by up to 10 dB.

| | Shape | Type number | Dimension | Drive holes | Segment height |
|---|---|-------------|-----------------|-------------|----------------|
|  |  | C71GW | | | |
| | | 34242048 | 600 × 4.4 × 60 | | 13 |
| | | 34419194 | 650 × 4.9 × 60 | | 13 |
| | | 34356569 | 700 × 4.4 × 60 | | 13 |
| | | 34549654 | 750 × 4.4 × 60 | 6M247 | 13 |
| | | 34242053 | 800 × 4.4 × 60 | | 13 |
| | | 34475704 | 825 × 4.4 × 60 | 6M247 | 13 |
| | | 34242054 | 1000 × 4.4 × 60 | | 13 |
| | | 34475705 | 1025 × 4.4 × 60 | 6M247 | 13 |



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



Quality tools for the most demanding applications and maximum economic efficiency. Laser welded segments for maximum safety. Very long-living. Reduces noise by up to 10 dB.

| | Shape | Type number | Dimension | Drive holes | Segment height | |
|--|-------|-------------|-----------------|----------------|----------------|----|
| | | C71 | 34549636 | 825 × 4.4 × 60 | 6M247 | 13 |
| | | 34549635 | 825 × 4.9 × 60 | 6M247 | 13 | |
| | | 34549634 | 825 × 5.9 × 60 | 6M247 | 13 | |
| | | 34549398 | 1025 × 4.4 × 60 | 6M247 | 13 | |
| | | 34549637 | 1200 × 4.4 × 60 | 6M247 | 13 | |



WSL Wall saw blades
in TGD®-Technology



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



| | Shape | Type number | Dimension | Drive holes | Segment height | |
|--|-------|-------------|-----------------|----------------|----------------|----|
| | | C7W | 34359385 | 600 × 3.9 × 60 | 12M255 | 13 |
| | | 34017386 | 600 × 3.9 × 60 | 12M112 | 13 | |
| | | 34313605 | 600 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017389 | 600 × 4.4 × 60 | 12M112 | 13 | |
| | | 34359386 | 600 × 4.9 × 60 | 12M255 | 13 | |
| | | 34017402 | 600 × 4.9 × 60 | 12M112 | 13 | |
| | | 34195305 | 650 × 3.9 × 60 | 6M199 | 13 | |
| | | 34195307 | 650 × 4.4 × 60 | 6M199 | 13 | |
| | | 34549400 | 650 × 4.9 × 60 | 12M255 | 13 | |
| | | 34359389 | 700 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017404 | 750 × 3.9 × 60 | 6M199 | 13 | |
| | | 34195308 | 750 × 4.4 × 60 | 6M199 | 13 | |
| | | 34359391 | 800 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017406 | 800 × 4.4 × 60 | 12M112 | 13 | |
| | | 34359392 | 800 × 4.9 × 60 | 12M255 | 13 | |
| | | 34542169 | 825 × 3.9 × 60 | 12M255 | 13 | |
| | | 34325781 | 825 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017408 | 825 × 4.4 × 60 | 12M112 | 13 | |
| | | 34506340 | 825 × 4.9 × 60 | 12M255 | 13 | |
| | | 34359393 | 1000 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017412 | 1000 × 4.4 × 60 | 12M112 | 13 | |
| | | 34444641 | 1025 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017414 | 1025 × 4.4 × 60 | 12M112 | 13 | |
| | | 34359394 | 1200 × 4.4 × 60 | 12M255 | 13 | |
| | | 34017416 | 1200 × 4.4 × 60 | 12M112 | 13 | |



WSM Wall saw blades in TGD®-Technology



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

| | Shape | Type number | Dimension | Drive holes | Segment height |
|---|---|-------------|-----------------|-------------|----------------|
|  |  C7W | 34549420 | 600 × 4.4 × 60 | 12M255 | 13 |
| | | 34017419 | 600 × 4.4 × 60 | 12M112 | 13 |
| | | 34549421 | 650 × 4.9 × 60 | 12M255 | 13 |
| | | 34549422 | 750 × 4.4 × 60 | 12M255 | 13 |
| | | 34017424 | 750 × 4.4 × 60 | 12M112 | 13 |
| | | 34017428 | 825 × 4.4 × 60 | 12M112 | 13 |
| | | 34436519 | 825 × 4.4 × 60 | 12M255 | 13 |
| | | 34475713 | 825 × 4.9 × 60 | 12M255 | 13 |
| | | 34549423 | 925 × 4.4 × 60 | 12M255 | 13 |
| | | 34549424 | 925 × 4.9 × 60 | 12M255 | 13 |
| | | 34017433 | 1000 × 4.4 × 60 | 12M112 | 13 |
| | | 34017435 | 1025 × 4.4 × 60 | 12M112 | 13 |
| | | 34475714 | 1025 × 4.4 × 60 | 12M255 | 13 |
| | | 34485561 | 1025 × 4.9 × 60 | 12M255 | 13 |
| | | 34485500 | 1200 × 4.4 × 60 | 12M255 | 13 |
| | | 34017438 | 1200 × 4.4 × 60 | 12M112 | 13 |

6M199: for TYROLIT wall saw head WSE811 MKII

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

12M109/6M247 without cooling drive holes: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

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

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

● = low

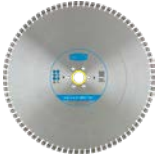

● = medium



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



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

| | Shape | Type number | Dimension | Drive holes | Segment height | |
|---|---|-------------|-----------------|-----------------|----------------|----|
|  |  | C7W | 34549161 | 600 × 5.9 × 60 | 12M255 | 13 |
| | | 34549167 | 750 × 6.5 × 60 | 12M255 | 13 | |
| | | 34498693 | 800 × 5.9 × 60 | 12M255 | 13 | |
| | | 34415642 | 825 × 5.9 × 60 | 12M255 | 13 | |
| | | 34497741 | 825 × 6.5 × 60 | 12M255 | 13 | |
| | | 34521389 | 1025 × 5.4 × 60 | 12M255 | 13 | |
| | | 34422925 | 1200 × 4.9 × 60 | 12M255 | 13 | |
| | | 34497743 | 1200 × 5.4 × 60 | 12M255 | 13 | |
| | | C4 | 34419445 | 1350 × 4.4 × 60 | 12M109 | 13 |
| | | 34460891 | 1350 × 4.4 × 60 | 12M255 | 13 | |
| | | 34415649 | 1400 × 4.4 × 60 | 12M255 | 13 | |
| | | 34401425 | 1400 × 4.4 × 60 | 12M109 | 13 | |
| | | 34399760 | 1500 × 4.4 × 60 | 6M225 | 13 | |
| | | 34379300 | 1500 × 4.4 × 60 | 12M109 | 13 | |
| | | 34488100 | 1500 × 4.4 × 60 | 12M255 | 13 | |
| | | 34488121 | 1600 × 4.4 × 60 | 12M255 | 13 | |
| | | 34409249 | 1600 × 4.4 × 60 | 6M225 | 13 | |
| 34379257 | 1600 × 4.4 × 60 | 12M109 | 13 | | | |
| 34497744 | 1600 × 5.0 × 60 | 12M255 | 13 | | | |
| 34450071 | 1600 × 5.0 × 60 | 12M109 | 13 | | | |
| 34450072 | 1600 × 5.6 × 60 | 12M109 | 13 | | | |
| 34500371 | 1600 × 5.6 × 60 | 12M255 | 13 | | | |
| 34379258 | 1800 × 4.4 × 60 | 12M109 | 13 | | | |
| 34488122 | 1800 × 4.4 × 60 | 12M255 | 13 | | | |
| 34379341 | 2000 × 4.4 × 60 | 12M109 | 13 | | | |
| 34497745 | 2000 × 4.4 × 60 | 12M255 | 13 | | | |
| 34379342 | 2200 × 4.4 × 60 | 12M109 | 13 | | | |
| 34500293 | 2200 × 4.4 × 60 | 12M255 | 13 | | | |

6M199: for TYROLIT wall saw head WSE811 MKII

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

12M109/6M247 without cooling drive holes: for all TYROLIT wall saw heads in Central Europe (except WSE811 MKII)

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

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

● = low

● = medium



Compatibility overview

Wall saws

Wall sawing



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 | ● ** | | | | |
| 11002700 | 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 | ● | ● ** | ● | ● | ● |
| 10997700 | Blade guard 800 mm 3 parts AIO Linear | ● | | | | |
| 10984100 | Blade guard 1 000 mm 3 parts All-In-One | | ● ** | ● | ● | ● |
| 10999200 | Blade guard 1 000 mm 3 parts AIO Linear | ● | | | | |
| 10984101 | Blade guard 1 200 mm 3 parts All-In-One | ● | ● ** | ● | ● | ● |
| 10999400 | Blade guard 1 200 mm 3 parts AIO Linear | ● | | | | |
| 977606 | Blade guard 1 600 mm 2 parts | ● | ● | | ● | ● |
| 976184 | Blade guard 2 200 mm 2 parts | | ● | | | |
| 10989200 | Blade guard 1 200 mm All-In-One CL | | ● | | | |
| 10982079 | VAS G Track 1 100 mm Alu | ● | ● | ● | ● | ● * |
| 10982105 | VAS G Track 1 650 mm Alu | ● | ● | ● | ● | ● * |
| 10982106 | VAS G Track 1 925 mm Alu | ● | ● | ● | ● | ● * |
| 10981818 | VAS G Track 2 200 mm Alu | ● | ● | ● | ● | ● * |
| 974398 | V-Track VS 700 mm Steel | ● | ● | ● | ● | ● |
| 974400 | V-Track VS 1 100 mm Steel | ● | ● | ● | ● | ● |
| 974402 | V-Track VS 1400 mm Steel | ● | ● | ● | ● | ● |
| 974404 | V-Track VS 1 800 mm Steel | ● | ● | ● | ● | ● |
| 974406 | V-Track VS 2 200 mm Steel | | | | | |

* up to max. 25 kW

** mount with adapter

★★★
PREMIUM



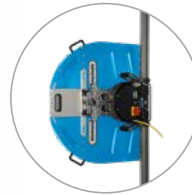
Wall Saw WSE811 MKII

Cutting depths up to 335 mm

Wall sawing



Compact,
fully integrated design



Light and sturdy:
Tracks and blade guard



Handy radio remote control

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

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

System & Accessories



Technical data

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

Electric motor and control unit

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

Weight

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

System & Accessories

| Wall saw system WSE811 MKII | |
|-----------------------------|------------------------------------|
| 10995000 | Wall saw WSE811 MKII |
| 10978640 | Track EX 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 |

Accessories

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

★★★
PREMIUM

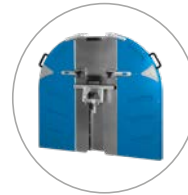


Wall saw WSE1621

Cutting depths up to 705 mm



Tool-free motor fastening



Light and sturdy:
Blade guard



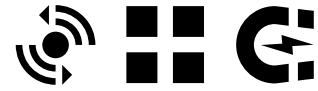
Compact and light control
unit, handy remote control
with display

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

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

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

System & Accessories



Technical data

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

Electric motor

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

Weight

| | |
|-----------------------------------|---------|
| Wall Saw WSE1621 | 23.5 kg |
| Electric main drive motor WSE1621 | 15 kg |
| Electric control unit WSE1621 | 16.5 kg |
| Radio remote control WSE1621 | 1.8 kg |
| Blade guard 1 000 mm AIO Linear | 21.5 kg |
| Track VAS G 1 100 mm | 9.4 kg |
| Track VAS G 1 650 mm | 15 kg |
| Track VAS G 1 925 mm | 16.2 kg |
| Track VAS G 2 200 mm | 18.4 kg |
| Transport trolley WSE1621 | 21 kg |

System & Accessories

| Wall saw system WSE1621 | |
|-------------------------|---|
| 10990000 | Wall Saw WSE1621 |
| 10997955 | Electric main drive motor WSE1621 400–480 V / 50 Hz |
| 11002700 | Electric control unit WSE1621 400–480 V / 50 Hz incl. radio remote control |
| 10992200 | Transport trolley WSE1621 |
| 10999200 | Blade guard 1 000 mm AIO Linear |
| 10982079 | VAS G Track 1 100 mm alu |
| 10981818 | VAS G Track 2 200 mm alu |
| 977523 | Track connector for VAS- and VS-tracks |
| 965987 | V-Track feet alu, flat |
| 965987 | V-Track feet alu, flat |
| 965987 | V-Track feet alu, flat |
| 10980346 | Tool box |

Accessories

| | |
|----------|----------------------------------|
| 10997700 | Blade guard 800 mm AIO Linear |
| 10999400 | Blade guard 1 200 mm AIO Linear |
| 977606 | Blade guard 1 600 mm 2 pcs. |
| 10998282 | Blade guard uptake 1 600 mm |
| 10998500 | Blade guard uptake AIO Ø800 |
| 11000361 | Blade guard uptake AIO Ø1 000 |
| 10998285 | Blade guard uptake AIO Ø1 200 |
| 10977882 | Blade flange ST cpl. |
| 961983 | V-Swivel track feet |
| 10977452 | V-Rotary rail support compl. |
| 10981719 | Transport trolley small |
| 10999403 | Blade flange ST cpl. dry cutting |

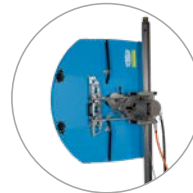
★★★
PREMIUM

Wall saw WSE2226

Cutting depths up to 1 005 mm



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



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



Cool water bypass for dry cutting

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

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

System & Accessories



Technical data

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

System & Accessories

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

Wall saw DZ-S2

Cutting depths up to 510 mm



Robust saw head with standard hydraulic motors



Blade guard for normal and flush cutting



Slide guide with ergonomic locking system and fine adjustment

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

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

System & Accessories

Technical data

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

Design

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

Weight

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

System & Accessories

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

Accessories

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

Hydraulic drive motor accessories – size 2 with horizontal FD couplings

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

Wall saw FZ-4S

Cutting depths up to 1 005 mm

Wall sawing



Main motor with leak-oil connection



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



Sliding systems with ergonomic locking system and fine adjustment

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

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

System & Accessories

Technical data

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

Design

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

Weight

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

System & Accessories

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

Accessories

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

Hydraulic drive motors – size 3

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

Rail system VAS and VS

Versatile; suitable for wall saws and line drills



VAS

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

VS

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



V-rotating rail trestle, can be swivelled by 360°
10977452



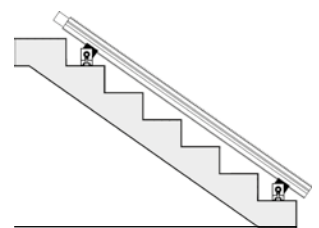
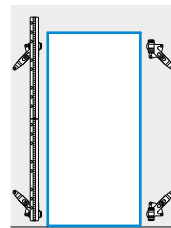
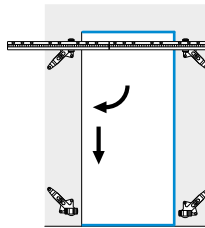
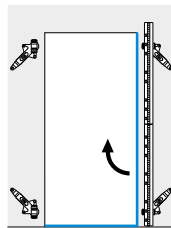
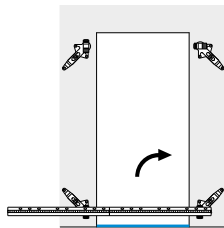
V-swivel rail trestle, 45°–135°
961983



V-rail trestle, aluminium, flat
965987



V-rail trestle, steel
974478



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 |
| | 1 650 mm | 1 100 mm |
| | 1 925 mm | 1 400 mm |
| | 2 200 mm | 1 800 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 |
| 961983 | V-Swivel track feet |
| 10977452 | V-rotary rail support complete |
| 977523 | Track connector for VAS and VS tracks |
| 10978418 | Track stop |





Wire sawing

| | |
|--------------------------|------------|
| Information | 126 |
| Diamond saw wires | 128 |
| Accessories | 130 |
| Machines | 134 |



Diamond wire saw

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

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

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

Application recommendation

Choosing the correct diamond wire

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

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

Service

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

Information / Recommendations

- + Optimum application conditions / wire speed

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

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



DWH-S ATEX Saw wire

Electroplated | for steel

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



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

Wall sawing




DWH-S ATEX Saw wire

Electroplated | for steel



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

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

| | Type number | Diameter | Beads / m |
|---|-------------|----------|-----------|
|  | 34053745 | 11.0 | 46 |




DWH-S | SL Saw wire

Electroplated | for steel



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

| | Type number | Diameter | Beads / m |
|---|-------------|----------|-----------|
|  | 34380722 | 11.0 | 46 |




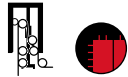
DWM-S | SL Saw wire

Electroplated | for steel



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

| | Type number | Diameter | Beads / m |
|---|-------------|----------|-----------|
|  | 603261 | 10.2 | 46 |



DWM-C Saw wire
Electroplated | for concrete

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



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



DWL-CF Saw wire
Sintered | for concrete

For the most demanding applications and solutions for complex projects.



| Type number | Diameter | Beads / m |
|-------------|----------|-----------|
| 34425149 | 10.7 | 40 |

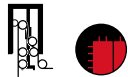


DWM-C Saw wire
Electroplated | for concrete

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



| Type number | Diameter | Beads / m |
|-------------|----------|-----------|
| 34425078 | 10 | 40 |



DWM-C Saw wire
Electroplated | for concrete

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




| Type number | Diameter | Beads / m |
|-------------|----------|-----------|
| 34410842 | 10 | 40 |

Saw wire accessories




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

| | Type number | Diameter |
|---|-------------|----------|
|  | SPV 117984 | 80kN-KPL |

Saw wire accessories




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

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

Saw wire accessories





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

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

Saw wire accessories




Repair sleeve for saw wire diameters 8.5–11.3 mm.

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

Saw wire accessories




Assembly fixture for cardanic sleeve and spare pin.

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

Saw wire accessories



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

| | | Type number | Dimension |
|---|----|-------------|-------------------|
|  | 41 | 34332754 | 125 × 1.0 × 22.23 |

Compatibility overview

Wire saws

Wall sawing



10998000
Wire saw
WCU17



10982500
Circular wire saw
CC25



10994900
Wire saw
SB-E



10990000
Wall saw
WSE1621



10986600
Wall saw
WSE2226

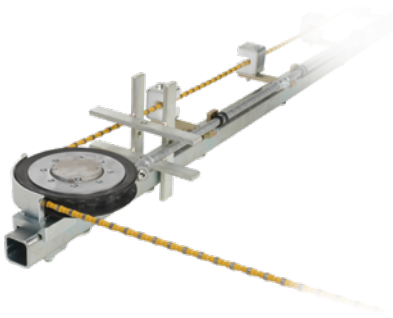


10991100 Modular
drilling gearbox
DGB1000 kpl

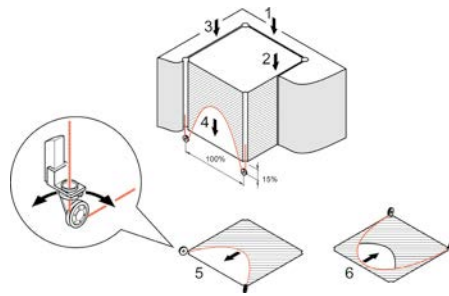
| | | | | | | |
|--|---|---|---|---|---|---|
| 10997955 Electric main drive WSE1621 | ● | ● | | ● | | ● |
| 11002700 Electric control unit WSE1621 | ● | ● | | ● | | ● |
| 10986800 Electric main drive WSE2226 | | | ● | | ● | |
| 10986700 Electric control unit WSE2226 | | | ● | | ● | |
| 10988900 Electric main drive WSE1217 | ● | ● | | | | ● |
| 10989300 Electric control unit WSE1217 | ● | ● | | | | ● |

Wire saw accessories

Plunge tube

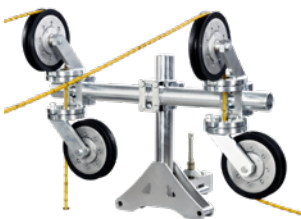


Equipment for cutting a cube out of concrete foundations



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) |

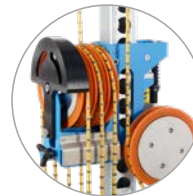
Diverter rolls

| | |
|----------|--|
| 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 clamp |
| 980706 | 2 support pulleys with holder |

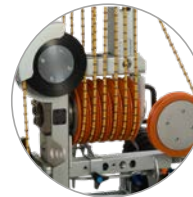
★★★
PREMIUM

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

| |
|-------------------------|
| 6 drive rolls Ø 200 mm |
| Diverter rolls Ø 200 mm |

Dimensions & Weight wire saw

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

System & Accessories

| Wire saw system WCU17 / WSE1621 | |
|---------------------------------|---|
| 10998000 | Wire saw WCU17 (incl. wire protection) |
| 11000004 | Motor mounting kit WSE1621 |
| 10997955 | Electric main drive WSE1621 400–480 V / 50 Hz |
| 11002700 | Electric control unit WSE1621 400–480 V / 50 Hz incl. radio remote control |

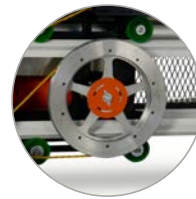
Accessories

| | |
|----------|---|
| 11000004 | Motor mounting kit WSE1621 |
| 10997000 | Motor mounting kit WSE1217 |
| 10997100 | Motor mounting kit hydraulic (max. 25 kW) |
| 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 |
| 10999820 | Rubber lining Ø 200 PUR 70 |
| 10997222 | Pulley Ø 200 Standard |
| 977954 | Protective sleeve |

★★★
PREMIUM

Wire saw WCE18

Gross wire length 19 m



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



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



Clear, user-friendly control panel.

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

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

System & Accessories

Technical data

Wire

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

Design

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

Electric motor

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

Monitoring

| | |
|-----------|---------------|
| Voltage | 380-400 V |
| Frequency | 50 Hz / 60 Hz |

Wire saw dimensions & weight

| | |
|--------|----------|
| Height | 1 170 mm |
| Width | 1 810 mm |
| Depth | 760 mm |
| Weight | 354 kg |

Control dimensions & weight

| | |
|--------|----------|
| Height | 1 240 mm |
| Width | 730 mm |
| Depth | 750 mm |
| Weight | 113 kg |

System & Accessories

Wire saw WCE18

| | |
|----------|----------------|
| 10999800 | Wire saw WCE18 |
|----------|----------------|

Accessories

| | |
|----------|----------------------------------|
| 11001135 | Pneumatic compressor 6 l / 8 bar |
|----------|----------------------------------|

★★★
PREMIUM

Wire saw WCE30

Gross wire length 30 m

Wall sawing



Optimal start-up torque and power transfer with minimal slippage due to 2 large drive wheels.



Chassis made from stainless steel.



Clear, user-friendly control panel.

25 m wire storage and a double-motor high-frequency drive with 37 kW make child's play of decommissioning even large structures like bridges, chimneys and foundations. The continuously

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

System & Accessories

Technical data

Wire

| | |
|-------------------|---------|
| Wire storage | 25 m |
| Gross wire length | 30.1 m |
| Wire Ø | 8-12 mm |

Design

| |
|---|
| Double high-frequency electric motor 37 kW |
| 2 large drive rollers Ø 445 mm |
| Pulleys and storage rolls Ø 280 mm |
| Continuously variable and controllable wire speed from 0-25 m/s |
| Feed is pneumatic due to a compressor (accessories) |

Electric motor

| | |
|--------------------------------------|-------|
| 2 water-cooled high-frequency motors | |
| Output at 32 A | 37 kW |

Control

| | |
|-----------|---------------|
| Voltage | 380-400 V |
| Frequency | 50 Hz / 60 Hz |

Wire saw dimensions & weight

| | |
|--------|---------|
| Height | 1290 mm |
| Width | 2300 mm |
| Depth | 740 mm |
| Weight | 544 kg |

Control dimensions & weight

| | |
|--------|---------|
| Height | 1240 mm |
| Width | 610 mm |
| Depth | 370 mm |
| Weight | 113 kg |

System & Accessories

Wire saw WCE30

| | |
|----------|----------------|
| 10999700 | Wire saw WCE30 |
|----------|----------------|

Accessories

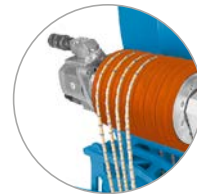
| | |
|----------|----------------------------------|
| 11001135 | Pneumatic compressor 6 l / 8 bar |
|----------|----------------------------------|

★★★
PREMIUM

Wire saw SB ATEX | SB-E

Gross wire length 15.5 m

Wall sawing



Efficient power transmission through multi-pulley drive



Quiet running because of hydraulic wire tensioner



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

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

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

System & Accessories

Technical data

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

Design

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

Dimensions & Weight

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

Electric motor

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

Control unit electric motor

| | |
|-----------|----------|
| Voltage | 400 V |
| Frequency | 50/60 Hz |
| Weight | 26 kg |

Feed unit SB-E

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

Dimensions & Weight

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

System & Accessories

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

Wire saw system SB-E

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

Accessories

| | |
|----------|--|
| 976166 | Motor complete S 31 ccm / FD, incl. leak oil conn. |
| 976167 | Motor complete S 40 ccm / FD, incl. leak oil conn. |
| 976168 | Motor complete S 50 ccm / FD, incl. leak oil conn. |
| 961902 | Pulley Ø 200 mm with hole Ø 13 mm (75 Shore) |
| 961901 | Diverter pulley Ø 200 mm |
| 10999820 | Rubber lining Ø 200 PUR 70 |
| 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

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

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

System & Accessories

Technical data

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

Hydraulic version

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

Electric version

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

Electric motor

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

Control

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

Weight

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

System & Accessories

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

Wire saw system CCE25

| | |
|----------|--|
| 10990500 | Circular wire saw CCE25 |
| 11000348 | Drilling and circular wire saw kit WSE1621 Universal |
| 10997955 | Electric main drive motor WSE1621 400–480 V / 50 Hz |
| 11002700 | 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 |
| 10999820 | Rubber lining Ø 200 PUR 70 |





Floor sawing

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Floor saw blades

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

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

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

Colour indication

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

Application recommendation

Choosing the correct floor saw blade

| Performance Level | Type | Machine | | Material | | | | | | | | |
|-------------------|--------|-------------|--------|----------------|------|--------|------|----------------|------|-------------|---------|-------------|
| | | Shaft-drive | | Cured concrete | | | | Green concrete | | | Asphalt | |
| | | B/D | EL/HYD | Very hard | Hard | Medium | Soft | Very hard | Hard | Medium/Soft | Hard | Medium/Soft |
| ★★★ PREMIUM | FSA | L | L | | | | | | | ○ | ○ | ● |
| | 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 | ● | ● | ● | ⦿ | | | | | |
| | FSH-CX | 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 | | | | | ○ | ⦿ | ● | ⦿ | ● |
| FSA+C | L | L | | | ○ | ○ | | ○ | ○ | ○ | ● | |
| ★★ STANDARD | FSL-A | L/M | L | | | | | | | ○ | ⦿ | ● |
| ★ BASIC | FSA | L | L | | | | ○ | | | ○ | ○ | ● |
| | FSU | L | L | ○ | ⦿ | ● | ● | | | | | |

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

* with V-belt drive

Service

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

Information / Recommendations

- + Optimum application conditions / peripheral speed

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



FSX-C3 Floor saw blade

for cured concrete | in TGD®-Technology

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



+ **Very long lifetime.**

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

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



FSX-C3 Floor saw blade for cured concrete | in TGD®-Technology



| | Shape | Type number | Dimension | Driving bore | Segment height |
|----------|------------------|-------------|---------------------|--------------|----------------|
| | | C37W | | | |
| | | 34349099 | 450 × 5 × 35/25,4 | 7M174 | 14 |
| | | 34190381 | 500 × 3,9 × 25,4 | | 14 |
| | | 34212466 | 500 × 4,4 × 25,4 | | 14 |
| | | 34212475 | 600 × 3,9 × 25,4 | | 14 |
| | | 34212464 | 600 × 3,9 × 35/25,4 | 7M174 | 14 |
| | | 34212468 | 600 × 4,4 × 25,4 | | 14 |
| | | 34075027 | 600 × 4,4 × 35/25,4 | 7M174 | 14 |
| | | 34190384 | 650 × 3,9 × 25,4 | | 14 |
| | | 34212469 | 650 × 4,4 × 25,4 | | 14 |
| | | 34071124 | 650 × 4,4 × 35/25,4 | 7M174 | 14 |
| | | 34212490 | 750 × 3,9 × 25,4 | | 14 |
| | | 34212481 | 750 × 4,4 × 25,4 | | 14 |
| | | 34075029 | 750 × 4,4 × 35/25,4 | 7M174 | 14 |
| | | 34376610 | 800 × 4,4 × 25,4 | | 14 |
| 34212482 | 900 × 4,4 × 25,4 | | 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 | 900 × 4.4 × 35/25.4 | 7M174 | 14 |
| | | 34311460 | 1000 × 4.4 × 25.4 | | 14 |
| | | 34297545 | 1000 × 4.4 × 35/25.4 | 7M174 | 14 |
| | | 34297602 | 1200 × 4.4 × 25.4 | | 14 |
| | | 34295503 | 1200 × 4.4 × 35/25.4 | 7M174 | 14 |



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



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

| | Shape | Type number | Dimension | Driving bore | Segment height |
|--|-------|-------------|----------------------|--------------|----------------|
| | | 620570 | 350 × 3.2 × 25.4 | | 10 |
| | | 620571 | 350 × 3.9 × 25.4 | | 10 |
| | | 612893 | 450 × 3.9 × 25.4 | | 10 |
| | | 613264 | 450 × 4.4 × 25.4 | | 10 |
| | | 613271 | 500 × 3.9 × 25.4 | | 10 |
| | | 613272 | 600 × 3.9 × 25.4 | | 10 |
| | | 638179 | 600 × 3.9 × 25.4 | 7M23 | 10 |
| | | 648205 | 600 × 3.9 × 60/25.4 | | 10 |
| | | 613273 | 600 × 4.4 × 25.4 | | 10 |
| | | 615335 | 600 × 5 × 25.4 | | 10 |
| | | 103020 | 650 × 3.9 × 25.4 | | 10 |
| | | 613274 | 700 × 3.9 × 25.4 | | 10 |
| | | 615338 | 700 × 4.4 × 25.4 | | 10 |
| | | 613276 | 800 × 3.9 × 25.4 | | 10 |
| | | 615339 | 800 × 4.4 × 25.4 | | 10 |
| | | 615340 | 900 × 4.4 × 25.4 | | 10 |
| | | 615341 | 1000 × 4.4 × 25.4 | | 10 |
| | | 646183 | 1200 × 4.4 × 35/25.4 | 7M174 | 10 |



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



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



| | Shape | Type number | Dimension | Driving bore | Segment height |
|--|-------|-------------|---------------------|--------------|----------------|
| | | 620572 | 350 × 3.2 × 25.4 | | 10 |
| | | 620573 | 350 × 3.9 × 25.4 | | 10 |
| | | 739750 | 350 × 3.9 × 35/25.4 | 7M174 | 10 |
| | | 615342 | 450 × 3.9 × 25.4 | | 10 |
| | | 653498 | 450 × 3.9 × 35/25.4 | 7M174 | 10 |





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



| | Shape | Type number | Dimension | Driving bore | Segment height |
|---|---|-------------|----------------------|--------------|----------------|
|  |  | C77W | | | |
| | | 613277 | 450 × 5 × 25.4 | | 10 |
| | | 631830 | 450 × 5 × 35/25.4 | 7M174 | 10 |
| | | 613280 | 500 × 3.9 × 25.4 | | 10 |
| | | 613284 | 600 × 3.9 × 25.4 | | 10 |
| | | 613285 | 600 × 4.4 × 25.4 | | 10 |
| | | 613286 | 600 × 5 × 25.4 | | 10 |
| | | 624783 | 600 × 5 × 35/25.4 | 7M174 | 10 |
| | | 613287 | 700 × 3.9 × 25.4 | | 10 |
| | | 615343 | 700 × 4.4 × 25.4 | | 10 |
| | | 643676 | 700 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 613288 | 800 × 4.4 × 25.4 | | 10 |
| | | 621887 | 800 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34167502 | 800 × 5 × 25.4 | | 10 |
| | | 613289 | 900 × 4.4 × 25.4 | | 10 |
| | | 613291 | 1000 × 4.4 × 25.4 | | 10 |
| | | 633953 | 1000 × 4.4 × 35/25.4 | 7M174 | 10 |
| 620575 | 1200 × 4.4 × 25.4 | | 10 | | |





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



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

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

| | Shape | Type number | Dimension | Driving bore | Segment height |
|---|---|-------------|----------------------|--------------|----------------|
|  |  | C77W | | | |
| | | 34434020 | 350 × 3.9 × 35/25.4 | 7M174 | 10 |
| | | 34156477 | 450 × 3.9 × 25.4 | | 10 |
| | | 34291445 | 450 × 3.9 × 35/25.4 | 7M174 | 10 |
| | | 34433996 | 450 × 5 × 35/25.4 | 7M174 | 10 |
| | | 34156478 | 500 × 3.9 × 25.4 | | 10 |
| | | 34201330 | 600 × 3.9 × 25.4 | | 10 |
| | | 34239567 | 600 × 4.4 × 25.4 | | 10 |
| | | 34174307 | 600 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34238987 | 600 × 5 × 25.4 | | 10 |
| | | 34433997 | 700 × 4.4 × 25.4 | | 10 |
| | | 34210621 | 700 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34234940 | 800 × 4.4 × 25.4 | | 10 |
| | | 34174303 | 800 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34476019 | 800 × 5 × 25.4 | | 10 |
| | | 34238986 | 900 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34235444 | 1000 × 4.4 × 25.4 | | 10 |
| | | 34321445 | 1000 × 4.4 × 35/25.4 | 7M174 | 10 |
| | | 34295499 | 1200 × 4.4 × 35/25.4 | 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

★★★ PREMIUM **FSH-CX Floor saw blade**
for cured concrete | in TGD®-Technology



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

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

| | Shape | Type number | Dimension | Driving bore | Segment height | |
|----------|----------------------|-------------|----------------------|------------------|----------------|----|
| | | C77W | 34490794 | 350 × 3.9 × 25.4 | | 10 |
| | | 34543798 | 450 × 3.9 × 25.3 | | 10 | |
| | | 34415340 | 500 × 3.9 × 25.4 | | 10 | |
| | | 34398707 | 500 × 4.4 × 25.4 | | 10 | |
| | | 34415411 | 600 × 3.9 × 25.4 | | 10 | |
| | | 34518415 | 600 × 4.4 × 35/25.4 | 7M174 | 10 | |
| | | 34415417 | 600 × 4.4 × 25.4 | | 10 | |
| | | 34543799 | 600 × 5 × 25.5 | | 10 | |
| | | 34539240 | 600 × 5.4 × 25.4 | | 10 | |
| | | 34415412 | 650 × 3.9 × 25.4 | | 10 | |
| | | 34530761 | 650 × 4.4 × 35/25.4 | 7M174 | 10 | |
| | | 34415418 | 650 × 4.4 × 25.4 | | 10 | |
| | | 34438342 | 750 × 4.4 × 25.4 | | 10 | |
| | | 34518417 | 750 × 4.4 × 35/25.4 | 7M174 | 10 | |
| | | 34535827 | 800 × 4.4 × 35/25.4 | 7M174 | 10 | |
| | | 34464256 | 800 × 4.4 × 25.4 | | 10 | |
| | | 34438343 | 900 × 4.4 × 25.4 | | 10 | |
| | | 34530763 | 900 × 4.4 × 35/25.4 | 7M174 | 10 | |
| | | 34538573 | 900 × 5 × 25.4 | | 10 | |
| | | 34499425 | 1000 × 4.4 × 35/25.4 | 7M174 | 10 | |
| 34543797 | 1200 × 4.4 × 35/25.4 | 7M174 | 10 | | | |
| 34538575 | 1200 × 5 × 25.4 | | 10 | | | |

★★★ PREMIUM **FSC Floor saw blade**
for cured concrete



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

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

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



FSL-A Floor saw blade

for asphalt



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

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

Machines up to 25 kW | soft to very hard aggregates. Details: Laser-welded up to a diameter of 800 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.



FSL-A Floor saw blade for asphalt



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

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

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

● = low ● = medium ● = high



FSM-A Floor saw blade for asphalt



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

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

| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|---------------------|---------------------|---|
| | | C3SW | 620533 | 350 × 3.2 × 25.4 | 9 |
| | | 620536 | 400 × 3.2 × 35/25.4 | 9 | |
| | | 620532 | 450 × 3.6 × 25.4 | 9 | |
| | | 621191 | 450 × 5 × 25.4 | 9 | |
| | | 589737 | 500 × 3.6 × 25.4 | 9 | |
| | | 589734 | 600 × 3.6 × 25.4 | 9 | |
| | | 620528 | 600 × 4.7 × 25.4 | 9 | |
| | | 621192 | 600 × 5 × 25.4 | 9 | |
| | | C3S | 620529 | 700 × 4.7 × 35/25.4 | 9 |
| | | 620530 | 800 × 4.7 × 35/25.4 | 9 | |
| | | 620531 | 900 × 4.7 × 35/25.4 | 9 | |



FSH-A Floor saw blade for asphalt



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



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

| | Shape | Type number | Dimension | Segment height | | |
|--|--------|-------------|---------------------|---------------------|---------------------|---|
| | | C3SW | 620559 | 350 × 3.2 × 25.4 | 9 | |
| | | 620561 | 400 × 3.2 × 25.4 | 9 | | |
| | | 620563 | 450 × 3.6 × 25.4 | 9 | | |
| | | 621193 | 450 × 5 × 25.4 | 9 | | |
| | | 620564 | 500 × 3.6 × 25.4 | 9 | | |
| | | 620565 | 600 × 4.7 × 25.4 | 9 | | |
| | | | C3S | 620567 | 700 × 4.7 × 35/25.4 | 9 |
| | | | 620568 | 800 × 4.7 × 35/25.4 | 9 | |
| | 620569 | | 900 × 4.7 × 35/25.4 | 9 | | |

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



Machines up to 15 kW | soft to very hard aggregates. Details: laser welded up to a diameter of 800 mm. with protective segments to guard against premature steel blade wear in the contact zone – (undercutting-effect) and


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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------------|----------------|---|
|  |  | C7SW | 574838 | 300×3.2×25.4 | 9 |
| | | 574844 | 350×3.2×25.4 | 9 | |
| | | 574845 | 400×3.2×25.4 | 9 | |
| | | 574846 | 450×3.6×25.4 | 9 | |
| | | 574848 | 500×3.6×25.4 | 9 | |
| | | 574850 | 600×3.6×25.4 | 9 | |
| | | 34237480 | 700×4.2×35/25.4 | 9 | |
| | | 34237482 | 800×4.2×35/25.4 | 9 | |

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



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


| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|--------------|----------------|----|
|  |  | C1SW | 34546444 | 450×3.6×25.4 | 10 |
| | | 34573482 | 500×3.6×25.4 | 10 | |

★★★ PREMIUM  **FSA+C Floor saw blade for asphalt & concrete**   



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

segments against the undercutting-effect.

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|--------------|----------------|----|
|  |  | C7SW | 34527692 | 450×3.6×25.4 | 10 |
| | | 34573481 | 500×3.6×25.4 | 10 | |

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

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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|--------------|----------------|----|
|  |  | C3W | 34546443 | 450×3.6×25.4 | 10 |
| | | 34573300 | 500×3.6×25.4 | 10 | |

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

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

● = low ● = medium ● = high



FSM-G4 Floor saw blade

for green concrete



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

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

Expansion joints, factory floors.
Machines up to 25 kW / hydr. up
to 50 kW Universal | soft to very
hard concrete aggregates. Details:
All diameters are laser-welded.

Equipped with a protective segment
to guard against steel core wear in
the contact zone –(undercutting effect).
Very clean groove edges, cuts ex-
tremely quickly.

Floor sawing



FSM-G4 Floor saw blade for green concrete





| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|-----------|------------------|----|
| | | C73SW | 34015812 | 300 × 2.4 × 25.4 | 13 |
| | | | 151540 | 350 × 2.8 × 25.4 | 13 |



FSL-G4 Floor saw blade for green concrete



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



| | Shape | Type number | Dimension | Segment height |
|---|---|--------------|------------------|----------------|
|  |  | C73SW 151571 | 300 × 2.4 × 25.4 | 13 |
| | | 34015787 | 350 × 2.8 × 25.4 | 13 |



FSL-G3 Floor saw blade for green concrete



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




| | Shape | Type number | Dimension | Driving bore | Segment height |
|---|---|----------------|---------------------|--------------|----------------|
|  |  | C73SW 34015785 | 350 × 2.8 × 25.4 | | 13 |
| | | 34157335 | 350 × 2.8 × 35/25.4 | 7M174 | 13 |
| | | 34015786 | 400 × 3.2 × 35/25.4 | | 13 |



FSM-G3 Floor saw blade for green concrete



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

| | Shape | Type number | Dimension | Driving bore | Segment height |
|---|---|---------------------|---------------------|--------------|----------------|
|  |  | C73SW 34015788 | 300 × 3.9 × 25.4 | | 13 |
| | | 34170349 | 300 × 3.9 × 35/25.4 | 7M174 | 13 |
| | | 34015790 | 350 × 2.8 × 25.4 | | 13 |
| | | 34071635 | 350 × 2.8 × 35/25.4 | 7M174 | 13 |
| | | 34015791 | 350 × 3.2 × 35/25.4 | 7M174 | 13 |
| | | 34015793 | 350 × 3.9 × 35/25.4 | 7M174 | 13 |
| | | 34165029 | 350 × 5 × 35/25.4 | 7M174 | 13 |
| | 34015794 | 400 × 3.2 × 35/25.4 | 7M174 | 13 | |
| | 34015797 | 450 × 3.6 × 35/25.4 | 7M174 | 13 | |
| |  | C3SW 34015798 | 500 × 3.6 × 35/25.4 | 7M174 | 13 |
| | | 34015799 | 600 × 3.6 × 35/25.4 | 7M174 | 13 |

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

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

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

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



Expansion joints / expansion grooves, road construction. Machines up to 50 kW / hydr. >50 kW Universal | soft to very hard concrete aggregates. Details: All diameters are laser-welded.

Equipped with a protective segment to guard against steel core wear in the contact zone – (undercutting effect.) Very clean groove edges, cuts extremely quickly.

| | Shape | Type number | Dimension | Driving bore | Segment height | |
|--|-------|-------------|-----------|---------------------|----------------|----|
| | | C73SW | 34015813 | 350 × 2.8 × 35/25.4 | 7M174 | 13 |
| | | | 34015815 | 350 × 3.2 × 35/25.4 | 7M174 | 13 |
| | | | 151353 | 350 × 3.9 × 35/25.4 | 7M174 | 13 |
| | | | 34015816 | 350 × 5 × 35/25.4 | 7M174 | 13 |
| | | | 151359 | 400 × 3.2 × 35/25.4 | 7M174 | 13 |
| | | | 34359295 | 400 × 3.9 × 35/25.4 | 7M174 | 13 |
| | | | 151376 | 450 × 3.6 × 35/25.4 | 7M174 | 13 |
| | C3SW | | 34015817 | 500 × 3.6 × 35/25.4 | 7M174 | 13 |
| | | | 34015818 | 600 × 3.6 × 35/25.4 | 7M174 | 13 |

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



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

| | Type number | Dimension | Segment height | Running direction | |
|--|-------------|-----------|-----------------|-------------------|-------|
| | FRSU-5784A | 642857 | 280 × 10 × 25.4 | 3 | right |
| | | 34575156 | 280 × 10 × 25.4 | 3 | left |





★★★
PREMIUM

Floor saw FSG513

Cutting depth up to 195 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 | 195 mm |
| Max. saw blade Ø | 500 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 | 115 kg |

System & Accessories

| Floor saw FSG513 | |
|------------------|---------------------------------------|
| 10988800 | Floor saw FSG513 incl. water tank kit |
| Accessories | |
| 11004545 | Operating hours counter (Feed 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 FSE1022

Cutting depth up to 420 mm



Floor sawing



Particularly compact design



Clear and ergonomically arranged control panel

The robust, powerful floor saw FSE1022 was specially developed for cutting tasks in buildings. The frequency converter enables the continuously variable adjustment of the cutting shaft speed, making it

possible to set the optimum cutting speed for every saw blade diameter. The low centre of gravity and precise distribution of weight on the axes ensure stability and excellent directional stability.

System & Accessories

Technical data

| Saw blade | |
|--------------------|---------------------|
| Max. cutting depth | 420 mm |
| Max. saw blade Ø | 1,000 mm |
| Saw blade speed | 850 rpm – 1,850 rpm |
| Saw blade holder Ø | 25.4 mm |
| Carrier Ø | 11.5 mm |
| Reference circle Ø | 57.4 mm |

Drive

| | |
|---------------------|----------------|
| Drive / motor | Electric motor |
| Output | 22 kW |
| Voltage / frequency | 400 V/32 A |
| Engine cooling | Air |
| Feed | Electric |
| Blade drive | Via V-belt |

Design

| |
|--|
| Left / right cutting function |
| Cutting depth indicator |
| Corner flush cutting function |
| Electro-hydraulic cutting depth adjustment |

Dimensions & weight

| | |
|--------|----------|
| Length | 1,150 mm |
| Width | 795 mm |
| Height | 1,350 mm |
| Weight | 388 kg |

System & Accessories

| Floor saw FSE1022 | |
|-------------------|------------------------------|
| 11002122 | Floor saw FSE1022 |
| 11002123 | Flush cut blade guard 800 mm |

★★★
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

★★
STANDARD

Floor saw FSE1240

Cutting depth up to 480 mm



Floor sawing



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



Constant control and monitoring possibility thanks to precise displays



Easy handling due to logically arranged control panel

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

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

System & Accessories

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

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

★★★
PREMIUM

Floor saw FSD1274

Cutting depth up to 480 mm



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



Saw blade coupling and neutral position mechanism for increased safety

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

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

System & Accessories

Saw blade

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

Drive

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

Design

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

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

System & Accessories

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

Diesel particle filter and transformation set on request

★★★
PREMIUM

Floor saw FSD1274 3-Speeds

Cutting depth up to 480 mm



Three speeds for ideal rotational speeds and optimised lifetime



Safe repositioning of the saw thanks to neutral position

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

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

System & Accessories

Saw blade

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

Drive

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

Design

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

Dimensions & Weight

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

System & Accessories

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

Accessories

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

Diesel particle filter and transformation set on request



TYROLIT

PPH25RA

TYROLIT
HYDROSTRESS



Drives

Machines

180

★★
STANDARD

Drive PPH25

Power 25 kW



Ergonomically arranged control panel



Safe due to high quality electronic components



Manometer display for main and feed cycle

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

with product features reduced to the essentials.

System & Accessories



Technical data

Electric motor

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

Hydraulic

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

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

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

Power

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

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

Electric

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

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

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

Dimensions & Weight

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

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

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

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

System & Accessories

Drive unit PPH25

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

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

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

Accessories

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

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

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH25RR

Power 25 kW



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



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

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

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

System & Accessories



Technical data

| Electric motor | |
|----------------|-------|
| Power | 25 kW |

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

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

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

| Dimensions & Weight | |
|---------------------|----------|
| Length | 760 mm |
| Width | 550 mm |
| Height | 1 140 mm |
| Weight | 170 kg |

System & Accessories

| Drive unit PPH25RR | |
|--------------------|--|
| 10983900* | Drive unit PPH25RR / 380–420 V / 50 Hz / freq. 434 MHz |
| 976206 | Hose package 5 pieces 8 m FD |
| 975672 | Hose package 2 pieces 8 m FF (feed) |

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

* Different voltage and frequency types are available upon request.

★★★
PREMIUM

Drive PPH40RR

Power 40 kW



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



Three-way switch, secondary connections, operating hours counter



Plastic cover can be removed without tools

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

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

System & Accessories



Technical data

Electric motor

| | |
|-------|-------|
| Power | 40 kW |
|-------|-------|

Hydraulics

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

Output

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

Electrical equipment

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

Dimensions & Weight

| | |
|--------|----------|
| Length | 820 mm |
| Width | 560 mm |
| Height | 1 260 mm |
| Weight | 238 kg |

System & Accessories

Drive unit PPH40RR

| | |
|-----------|---|
| 10983400* | Drive unit PPH40RR / 380–420 V / 50 Hz / freq. 434 MHz |
|-----------|---|

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

| | |
|--------|------------------------------|
| 976207 | Hose package 3 pieces 8 m FD |
|--------|------------------------------|

Accessories

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

* Different voltage and frequency types are available upon request.



Free hand

| | |
|------------------------------|------------|
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Dry cutting

New features, new design, trusted quality

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

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

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



What is new?

Increased performance by up to 30%

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

Compact assortment

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

Innovative and user-friendly

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

New look

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

Highest product safety

- + Complete assortment in compliance with OSA and EN13236 regulations

Upgraded segments for outstanding results

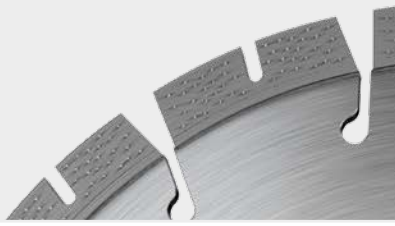






TGD® TECHNOLOGY




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










Increased cooling effect due to new U-shaped cuts

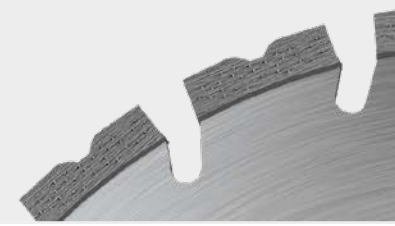











Performance increase due to new segment shape









Reduced segment surface ensures a higher cutting rate

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

Free hand

A new assortment for doers

A major part of the TYROLIT Dry Cutting Assortment has been substantially reworked with a clear focus on the user. Thus, the assortment boasts solutions for all kinds of users.

For all-rounders

DCU in TGD® Technology



The upgrade of our top-selling universal disc with even better performance.

★★★ PREMIUM TGD® TECHNOLOGY

DCU



The constant companion for those who want to tackle various tasks with one durable disc.

★★★ PREMIUM ★★ STANDARD ★ BASIC

DCU-FAST CUT



Gets the job done faster: The high-performing version of our universal classic.

★★★ PREMIUM ★★ STANDARD ★ BASIC

DCE-SILENT in TGD® Technology



Noise-damped and universal: The SILENT version for an all-round application with electric machines.

★★★ PREMIUM TGD® TECHNOLOGY

CUT-ALL



The long-lasting all-rounder for unlimited material processing and rescue operations.

★★★ PREMIUM

For rock-stars

DCH in TGD® Technology



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

★★★ PREMIUM TGD® TECHNOLOGY

DCH



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

★★★ PREMIUM ★ BASIC

DCH-FAST CUT



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

★★★ PREMIUM

For down-to-earth users

DCA+C



Hard-line cutting of asphalt and concrete.

★★★ PREMIUM ★★ STANDARD ★ BASIC

For concrete pros

DCC



The first choice for cutting any type of concrete.

★★★ PREMIUM ★★ STANDARD

For sanitary champions

DCP



Outstanding for processing of porcelain stoneware and tiles.

★★★ PREMIUM

Free hand

Application recommendation Dry Cutting Assortment

| | | ★★★ PREMIUM | | | | | | | | | | | ★★ STANDARD | | | | | ★ BASIC | | | | |
|----------------------------------|----------------------|----------------|-----|--------------|--------------|---------------|-----|--------------|----------|-----|--------------|-------|----------------|-----|--------------|-----|---------------|------------|-----|--------------|-----|-------|
| | | DCU TGD® | DCU | DCU-FAST CUT | DCU-SILENT * | DCE-SILENT ** | DCC | DCC-FAST CUT | DCH TGD® | DCH | DCH-FAST CUT | DCA+C | CUT-ALL | DCU | DCU-FAST CUT | DCC | DCC-LONG LIFE | DCA+C | DCU | DCU-FAST CUT | DCH | DCA+C |
| Universal Construction Materials | Concrete | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Armed concrete | ● | ● | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ |
| | Cellular concrete | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Natural stone | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | |
| | Hard materials | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Roofing materials | ○ | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ● | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Bricks | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ○ | ○ | ● | ● |
| | Masonry | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Hard Stone | Hard limestone | ● | ● | ○ | ● | ● | ● | ○ | ● | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Concrete blocks | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| | Granite | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | ○ | |
| | Quartz | ○ | ○ | ● | ○ | ○ | ○ | ● | ● | ○ | ● | | ○ | ○ | ○ | ○ | ○ | ○ | | | ○ | |
| | Paving slab | ● | ○ | ○ | ○ | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ |
| Asphalt & Concrete | Green concrete | ○ | ● | ○ | ● | ● | ● | ○ | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Floor pavement | ● | ● | ○ | ● | ● | ● | ○ | ● | ● | ○ | ● | ○ | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | Plaster | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ |
| | Asphalt | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | ○ |
| | Sandstone | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ● | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ |
| Marble | Marble | ○ | | | | | | | ○ | ○ | ○ | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Industrial Ceramics | Refractory materials | ○ | | | | | | | ○ | | | ○ | | ○ | ○ | ○ | | | | | | |
| | Engineering bricks | ● | ○ | ○ | ○ | | | ○ | ● | ○ | ○ | ○ | | ○ | ○ | ○ | | | | | | |

● = optimal ○ = good ○ = acceptable " " = not recommended

*For wet cutting **For wet cutting, only for electric machines

Application recommendation Dry Cutting Assortment

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






● = optimal ○ = good ○ = acceptable " " = not recommended

*For wet cutting **For wet cutting, only for electric machines

Free hand





★★★ PREMIUM **DCU dry cutting saw blades** for universal construction materials | in TGD® Technology 

Machinable materials: Universal construction materials such as heavily reinforced concrete, natural stone, clay brick, cellular concrete etc.

| | Shape | Type number | Dimension | Segment height | | |
|---|---|---|-------------------|-------------------|---|---|
|  |  | C3W | 34468871 | 230 × 2.4 × 22.23 | 14 |  |
| | |  | C73W | 34434257 | 300 × 2.6 × 20 | |
| | 34462046 | | 300 × 2.6 × 22.23 | 14 | | |
| | 34462047 | | 300 × 2.6 × 25.4 | 14 | | |
| | 34435145 | | 350 × 3.2 × 20 | 14 | | |
| | 34462048 | | 350 × 3.2 × 22.23 | 14 |  | |
| | 34462049 | | 350 × 3.2 × 25.4 | 14 | | |
| | 34435148 | | 400 × 3.2 × 20 | 14 | | |
| | 34462050 | | 400 × 3.2 × 25.4 | 14 | | |

★★★ PREMIUM **DCU dry cutting saw blades** for universal construction materials 

Machinable materials: universal building materials such as reinforced concrete, natural stone, clay brick, masonry, hard stone, abrasive materials, etc.

| | Shape | Type number | Dimension | Segment height | | | |
|---|---|-------------|-----------|-------------------|----|---|---|
|  |  | C73W | 34430790 | 115 × 2.4 × 22.23 | 10 |  | |
| | | | 34425401 | 125 × 2.4 × 22.23 | 10 | | |
| | | | 34430832 | 150 × 2.6 × 22.23 | 12 | | |
| | | | 34430833 | 180 × 2.6 × 22.23 | 12 | | |
| | | | 34434386 | 230 × 2.6 × 22.23 | 12 | | |
| | | | 34428610 | 300 × 2.6 × 20 | 12 | | |
| | | | 34431007 | 300 × 2.6 × 22.23 | 12 | | |
| | | | 34431008 | 300 × 2.6 × 25.4 | 12 | | |
| | | | 34430834 | 350 × 3.2 × 20 | 12 | |  |
| | | | 34430835 | 350 × 3.2 × 22.23 | 12 | | |
| | | | 34430836 | 350 × 3.2 × 25.4 | 12 | | |
| | | | 34428721 | 400 × 3.2 × 20 | 12 | | |
| | | | 34431009 | 400 × 3.2 × 25.4 | 12 | | |





DCU-FAST CUT dry cutting saw blades
for universal construction materials



Machinable materials: universal building materials such as concrete, clay brick, masonry, hard stone, granite etc.

Fast and clean, no edge chipping. Not suitable for reinforced concrete.

| Shape | Type number | Dimension | Segment height |
|---|-------------|-------------------|----------------|
|   C6R | 474743 | 115 × 2 × 22.23 | 10 |
| | 474746 | 125 × 2 × 22.23 | 10 |
| | 474751 | 150 × 2.4 × 22.23 | 9 |
| | 474752 | 180 × 2.4 × 22.23 | 9 |
| | 474753 | 230 × 2.4 × 22.23 | 9 |





DCU-SILENT dry cutting saw blades
for universal construction materials



Machinable materials: universal building materials such as concrete, clay brick, masonry, hard stone, concrete blocks etc.

Reduces noise by up to 10 dB.

| Shape | Type number | Dimension | Segment height |
|---|-------------|-------------------|----------------|
|   C3G | 474771 | 230 × 2.6 × 22.23 | 9 |





DCE-SILENT dry cutting saw blades
for universal construction materials | in TGD® Technology



Machinable materials: universal building materials such as concrete, clay brick, masonry, concrete blocks etc.

Only for electric cutting machines.
Reduces noise by up to 10 dB.





| Shape | Type number | Dimension | Segment height |
|---|-------------|------------------|----------------|
|   C73GW | 34461143 | 350 × 3.2 × 20 | 14 |
| | 34461144 | 400 × 3.2 × 20 | 14 |
| | 34517728 | 350 × 3.2 × 25.4 | 14 |
| | 34517729 | 400 × 3.2 × 25.4 | 14 |

Free hand

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



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




| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-------------------|-----------------|----|
|  |  | C73 | 34499934 | 115 × 2 × 22.23 | 7 |
| | | 34499935 | 125 × 2 × 22.23 | 7 | |
| | | 34499936 | 150 × 2.6 × 22.23 | 9 | |
| | | 34499937 | 180 × 2.6 × 22.23 | 9 | |
| | | 34499938 | 230 × 2.6 × 22.23 | 9 | |
|  |  | C7W | 34499792 | 300 × 2.6 × 20 | 10 |
| | | 34499793 | 300 × 2.6 × 22.23 | 10 | |
| | | 34499794 | 300 × 2.6 × 25.4 | 10 | |
| | | 34499795 | 350 × 3.2 × 20 | 10 | |
| | | 34499796 | 350 × 3.2 × 25.4 | 10 | |
| | | 34499797 | 400 × 3.2 × 20 | 10 | |

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



Machinable materials: Universal building materials such as concrete, clay brick, natural stone, etc. Fast and clean, no edge chipping.

Not suitable for reinforced concrete.



| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-------------------|-------------------|---|
|  |  | C3R | 34499939 | 115 × 2 × 22.23 | 7 |
| | | 34499940 | 125 × 2 × 22.23 | 7 | |
| |  | C3R | 34499991 | 150 × 2.4 × 22.23 | 9 |
| | | 34499992 | 180 × 2.4 × 22.23 | 9 | |
| | | 34499993 | 230 × 2.4 × 22.23 | 9 | |
| | | 467433 | 300 × 3 × 20 | 10 | |
| | | 467434 | 300 × 3 × 22.23 | 10 | |
| | | 467435 | 300 × 3 × 25.4 | 10 | |
| | | 467436 | 350 × 3 × 20 | 10 | |
| | | 467439 | 350 × 3 × 25.4 | 10 | |



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



Machinable materials: Universal building materials, such as reinforced 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 | |
|---|---|-------------|-------------------|-----------------|---|
|  |  | C73 | 34502315 | 105 × 2 × 20/16 | 7 |
| | | 34501337 | 115 × 2 × 22.23 | 7 | |
| | | 34501338 | 125 × 2 × 22.23 | 7 | |
| | | 34501445 | 150 × 2.6 × 22.23 | 9 | |
| | | 34501446 | 180 × 2.6 × 22.23 | 9 | |
| | | 34501447 | 230 × 2.6 × 22.23 | 9 | |

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|---------------|----------------|----|
|  |  | C7W | 34501448 | 300×2.6×20 | 10 |
| | | 34501449 | 300×2.6×22.23 | 10 | |
| | | 34501450 | 300×2.6×25.4 | 10 | |
| | | 34501461 | 350×3.2×20 | 10 | |
| | | 34501462 | 350×3.2×25.4 | 10 | |
| | | 34501463 | 400×3.2×20 | 10 | |
| | | 34502116 | 400×3.2×25.4 | 10 | |






NEW  **DCU-FAST CUT dry cutting saw blades**
for universal construction materials



Machinable materials: Universal building materials, such as concrete, clay brick, natural stone, etc. Fast and clean, no edge chipping.

Not suitable for reinforced concrete. Details: A 20-16 mm reduction bush is supplied with a disc diameter of 105 mm.



| | Shape | Type number | Dimension | Segment height | |
|--|---|-------------|---------------|----------------|---|
|  |  | C3R | 34502314 | 105×2×20/16 | 7 |
| | | 34501464 | 115×2×22.23 | 7 | |
| | | 34501465 | 125×2×22.23 | 7 | |
| |  | C3R | 34501466 | 150×2.4×22.23 | 9 |
| | | 34501467 | 180×2.4×22.23 | 9 | |
| | | 34501468 | 230×2.4×22.23 | 9 | |
| | | 467280 | 300×3×20 | 10 | |
| | | 467281 | 300×3×22.23 | 10 | |
| | | 467282 | 300×3×25.4 | 10 | |
| | | 467285 | 350×3×20 | 10 | |
| 467288 | 350×3×22.23 | 10 | | | |
| 467289 | 350×3×25.4 | 10 | | | |



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



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



| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|--------------|----------------|
|  |  | C3W | 34546443 | 450×3.6×25.4 |
| | | 34573300 | 500×3.6×25.4 | 10 |



DCC dry cutting saw blades
for concrete



Machinable materials: concrete, armed concrete, concrete products, hard materials etc.

| Shape | Type number | Dimension | Segment height | |
|---|-------------|-------------------|-------------------|----|
|   | C73W | 34468730 | 115 × 2.4 × 22.23 | 10 |
| | 34468731 | 125 × 2.4 × 22.23 | 10 | |
| | 34468732 | 150 × 2.6 × 22.23 | 12 | |
| | 34468733 | 180 × 2.6 × 22.23 | 12 | |
| | 34468734 | 230 × 2.6 × 22.23 | 12 | |
| | 34468735 | 300 × 2.6 × 20 | 12 | |
| | 34468736 | 300 × 2.6 × 22.23 | 12 | |
| | 34468737 | 300 × 2.6 × 25.4 | 12 | |
| | 34468738 | 350 × 3.2 × 20 | 12 | |
| | 34468739 | 350 × 3.2 × 22.23 | 12 | |
| | 34468740 | 350 × 3.2 × 25.4 | 12 | |
| | 34468751 | 400 × 3.2 × 20 | 12 | |
| | 34468752 | 400 × 3.2 × 25.4 | 12 | |





DCC-FAST CUT wall chaser blade
for concrete



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







For use with all common wall chasers.

| Shape | Type number | Dimension | Segment height | |
|---|-------------|-------------------|-----------------|---|
|   | C3R | 598008 | 125 × 2 × 22.23 | 7 |
| | 598010 | 140 × 2.4 × 22.23 | 9 | |
| | 598011 | 150 × 2.4 × 22.23 | 9 | |

NEW ★★ **STANDARD** **DCC dry cutting saw blades for concrete**





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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-------------------|----------------|---|
|  |  | C73 | | | |
| | | 34500109 | 115 × 2 × 22.23 | 7 |  |
| | | 34500110 | 125 × 2 × 22.23 | 7 | |
| | | 34500111 | 150 × 2.6 × 22.23 | 9 | |
| | | 34500112 | 180 × 2.6 × 22.23 | 9 | |
| 34500113 | 230 × 2.6 × 22.23 | 9 | | | |
|  |  | C7W | | | |
| | | 34500114 | 300 × 2.6 × 20 | 10 |  |
| | | 34500115 | 300 × 2.6 × 25.4 | 10 | |
| | | 34500116 | 350 × 3.2 × 20 | 10 | |
| | | 34500117 | 350 × 3.2 × 25.4 | 10 | |
| 34502313 | 400 × 3.2 × 20 | 10 | | | |

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



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

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



Free hand

★★★ PREMIUM **DCA+C dry cutting saw blades**
for asphalt & concrete



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

Details: Protective segments against the undercutting-effect for blades with a dia of 300 or more.


| Shape | Type number | Dimension | Segment height |
|---|----------------|-------------------|----------------|
|  | C73W 34470453 | 115 × 2.4 × 22.23 | 10 |
| | 34470454 | 125 × 2.4 × 22.23 | 10 |
| | 34470455 | 150 × 2.6 × 22.23 | 12 |
| | 34470456 | 180 × 2.6 × 22.23 | 12 |
| | 34470457 | 230 × 2.6 × 22.23 | 12 |
|  | C73SW 34472010 | 300 × 2.6 × 20 | 10 |
| | 34472041 | 300 × 2.6 × 22.23 | 10 |
| | 34472044 | 300 × 2.6 × 25.4 | 10 |
| | 34472046 | 350 × 3.2 × 20 | 10 |
| | 34472061 | 350 × 3.2 × 22.23 | 10 |
| | 34472008 | 350 × 3.2 × 25.4 | 10 |
| | 34474151 | 400 × 3.2 × 25.4 | 10 |

★★★ PREMIUM **FSA+C Floor saw blade**
for asphalt & concrete



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

Details: Protective segments against the undercutting-effect.


| Shape | Type number | Dimension | Segment height |
|---|---------------|------------------|----------------|
|  | C7SW 34527692 | 450 × 3.6 × 25.4 | 10 |
| | 34573481 | 500 × 3.6 × 25.4 | 10 |

NEW ★★ STANDARD **DCA+C dry cutting saw blades**
for asphalt & concrete



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



Details: Protective segments against the undercutting-effect.

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

NEW **BASIC** **DCA+C dry cutting saw blades**
for asphalt & concrete





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

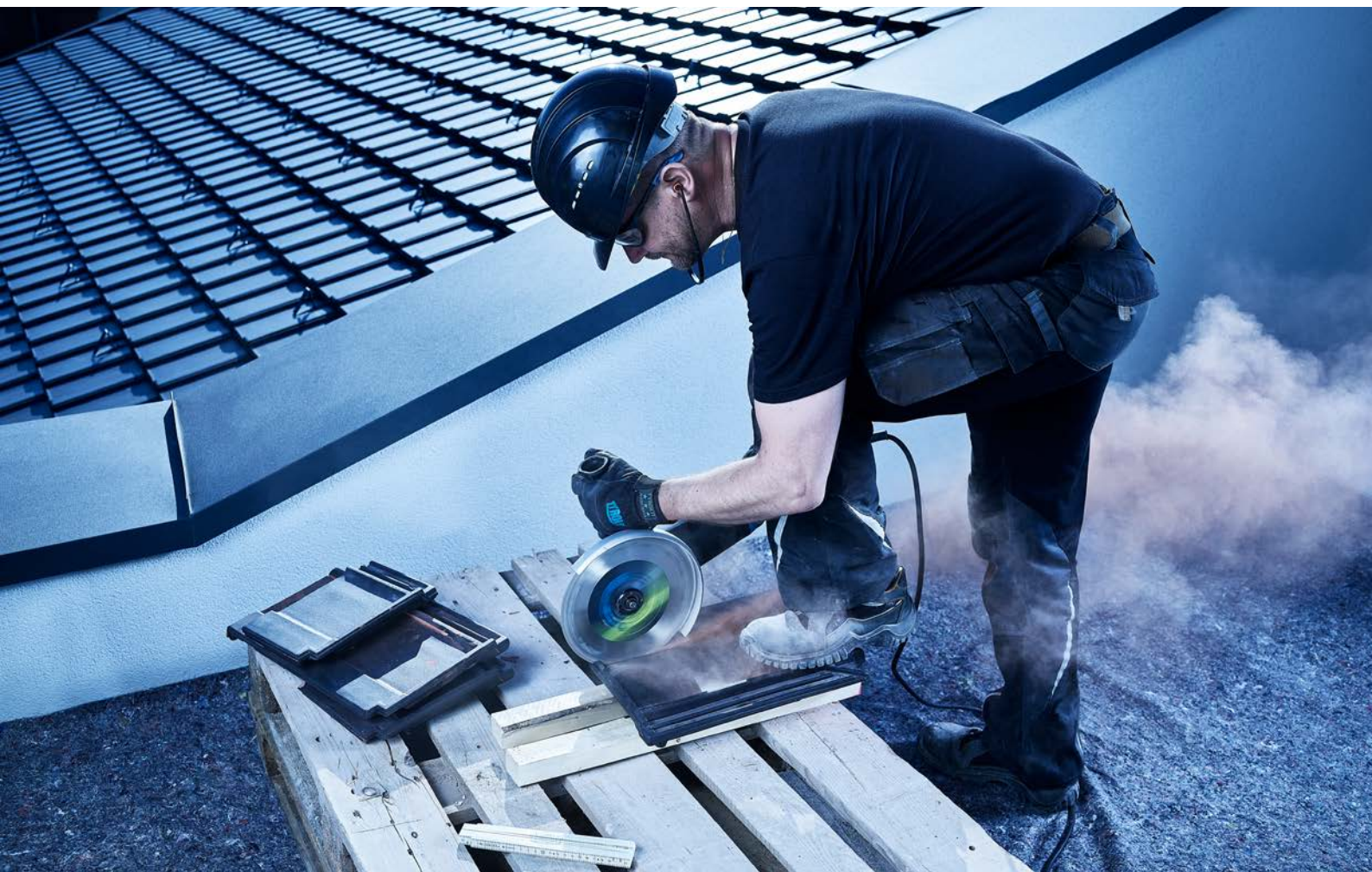
| Shape | Type number | Dimension | Segment height |
|--|-------------|--------------|----------------|
|   C7SW | 34500101 | 300×2.8×20 | 10 |
| | 34500102 | 300×2.8×25.4 | 10 |
| | 34500103 | 350×3.2×20 | 10 |
| | 34500104 | 350×3.2×25.4 | 10 |
| | 34502456 | 400×3.2×20 | 10 |
| | 34500105 | 400×3.2×25.4 | 10 |

BASIC **FSA Floor saw blade**
for asphalt



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






| Shape | Type number | Dimension | Segment height |
|--|-------------|--------------|----------------|
|   C1SW | 34546444 | 450×3.6×25.4 | 10 |
| | 34573482 | 500×3.6×25.4 | 10 |



★★★ PREMIUM **DCH dry cutting saw blades**
for hard stone | in TGD® Technology





Machinable Materials: Concrete blocks, granite, gneiss, porphyry, paving slab etc.

| | Shape | Type number | Dimension | Segment height | | |
|---|---|------------------|------------------|-------------------|----|---|
|  |  | C3W | 34468872 | 230 × 2.4 × 22.23 | 14 |  |
| | | C73W | 34435150 | 300 × 2.6 × 20 | 14 | |
| |  | | 34462092 | 300 × 2.6 × 25.4 | 14 |  |
| | | 34435151 | 350 × 3.2 × 20 | 14 | | |
| | | 34462093 | 350 × 3.2 × 25.4 | 14 | | |
| | | 34435152 | 400 × 3.2 × 20 | 14 | | |
| | 34462094 | 400 × 3.2 × 25.4 | 14 | | | |

★★★ PREMIUM **DCH dry cutting saw blades**
for hard stone






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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------|-------------------|----|
|  |  | C73W | 34475858 | 115 × 2.4 × 22.23 | 10 |
| | | | 34475856 | 125 × 2.4 × 22.23 | 10 |

★★★ PREMIUM **DCH-FAST CUT dry cutting saw blades**
for hard stone









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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------|-------------------|---|
|  |  | C3 | 475790 | 115 × 1.2 × 22.23 | 7 |
| | | | 475793 | 125 × 1.2 × 22.23 | 7 |
| |  | C3W | 475797 | 180 × 1.9 × 22.23 | 9 |
| | | | 475800 | 230 × 1.9 × 22.23 | 9 |

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






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

| | Shape | Type number | Dimension | Segment height | |
|---|---|--------------|-------------------|----------------|---|
|  |  | C73 34501469 | 115 × 2 × 22.23 | 7 |  |
| | | 34501470 | 125 × 2 × 22.23 | 7 | |
| | | 34501471 | 180 × 2.6 × 22.23 | 9 | |
| | | 34501472 | 230 × 2.6 × 22.23 | 9 | |
|  |  | C7W 34501473 | 300 × 2.6 × 20 | 10 |  |
| | | 34501474 | 350 × 3.2 × 20 | 10 | |

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





Machinable materials: universal building materials, concrete, stone, cast iron, composite materials, plastic, glass, wood, sheets and metal sections. Ideal for emergency operations by fire brigade and rescue forces.

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

★★★ **PREMIUM** **DCAB Tuck point blade**
for abrasive materials



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



| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-------------------|----------------|--|
|  |  | FRSU 563873 | 115 × 7.2 × 22.23 | 7 | |
| | | 535829 | 125 × 7.2 × 22.23 | 7 | |

Free hand

★★★ PREMIUM **DCM dry cutting saw blades for marble**





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

| Shape | Type number | Dimension | Segment height |
|---|-------------|-------------------|----------------|
|   UC3 | 315968 | 115 × 2.5 × 22.23 | 2 |
| | 315967 | 125 × 2.5 × 22.23 | 2 |
| | 547611 | 150 × 3 × 22.23 | 2 |
| | 315966 | 180 × 3 × 22.23 | 2 |
| | 315965 | 230 × 3 × 22.23 | 2 |
| | 490961 | 350 × 3 × 20 | 2.5 |
| | 490962 | 350 × 3 × 25.4 | 2.5 |

NEW ★★★ PREMIUM **DCP dry cutting saw blades for porcelain stoneware & tiles**





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

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

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



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



| Shape | Type number | Dimension | Segment height |
|--|-------------|-------------------|----------------|
|   1A1R | 639558 | 105 × 1 × 20 | 10 |
| | 639559 | 115 × 1.2 × 22.23 | 10 |
| | 639560 | 125 × 1.2 × 22.23 | 10 |
| | 639634 | 180 × 1.4 × 22.23 | 10 |
| | 676791 | 200 × 1.6 × 22.23 | 10 |
| | 639635 | 230 × 1.6 × 22.23 | 10 |

★
BASIC

DCT dry cutting saw blades for tiles & ceramics



Machinable materials: Ceramic tiles.

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

Accessories dry cutting saw blades Sharpening plate for tiles





| Type number | Dimension |
|-------------|----------------|
| SP6 | 55 × 25 × 320 |
| 34574956 | 320 × 55 × 320 |

★★★
PREMIUM

Roofer's cutting wheel for all common roofing materials





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

NEW

★★
STANDARD

Roofer's cutting wheel for all common roofing materials





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

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





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

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

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



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

Sharpening plate
Accessories dry cutting saw blades

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









Diamond cup wheels



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 | | | | ● | 214 |
| | DGU | | | | ● | 215 |
| STANDARD | DGU Single row | | | | ● | 215 |
| | DGU Double row | | | | ● | 215 |
| | DGU Turbo | | | | ● | 216 |
| | DGU-T Continuous | | | | ● | 216 |
| | DGAB | | | ● | | 216 |
| | DGC | | | ● | | 217 |
| | DGH | | ● | | | 217 |
| | DGU-FAST CUT | | | | ● | 217 |



DGU-Turbo Diamond cup wheels

for universal building materials | W-Segment

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

+ **Quick dust removal.**



+ **Impressive performance and lifetime.**

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



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

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



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



| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|--------------|----------------|
|  |  STS-T | 598061 | 100×20×22.23 | 5 |
| | | 34179930 | 125×23×22.23 | 5 |
| | | 34179971 | 180×32×22.23 | 5 |

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



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

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

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



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

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

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



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

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

Free hand





DGU-Turbo Diamond cup wheels for universal building materials



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

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

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





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



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

and high grinding power.

| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|-----------|--------------------|
|  |  | STS-TC | 34247005 | 100 × 18.5 × 22.23 |
| | | | 34247126 | 115 × 18.5 × 22.23 |
| | | | 34247127 | 125 × 18.5 × 22.23 |
| | | | 34247128 | 180 × 18.5 × 22.23 |





DGAB Diamond cup wheels for abrasive materials | T-Segment



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

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



| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|-----------|--------------------|
|  |  | STS-TS | 34247129 | 100 × 21 × 22.23 |
| | | | 34247130 | 115 × 21 × 22.23 |
| | | | 34247151 | 125 × 21 × 22.23 |
| | | | 34247152 | 180 × 30.2 × 22.23 |



DGC Diamond cup wheels for concrete | T-Segment



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

| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|-----------|--------------------|
|  |  | STS-TS | 34247153 | 100 × 21 × 22.23 |
| | | | 34247154 | 115 × 21 × 22.23 |
| | | | 34247155 | 125 × 21 × 22.23 |
| | | | 34247156 | 180 × 30.2 × 22.23 |



DGH Diamond cup wheels
for hardstone | T-Segment



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

| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|-----------|--------------------|---|
| | | STS-TS | 34247157 | 100 × 21 × 22.23 | 5 |
| | | | 34247158 | 115 × 21 × 22.23 | 5 |
| | | | 34247159 | 125 × 21 × 22.23 | 5 |
| | | | 34247160 | 180 × 30.2 × 22.23 | 5 |



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



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

| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|-----------|--------------------|---|
| | | STS-LS | 34247161 | 100 × 20.5 × 22.23 | 5 |
| | | | 34247162 | 115 × 20.5 × 22.23 | 5 |
| | | | 34247164 | 125 × 20.5 × 22.23 | 5 |
| | | | 34247165 | 180 × 30 × 22.23 | 5 |



DGU-PCD Diamond cup wheel
for coatings and glue residues | with protection segments



Removal of glue residues, plastic and resin based coatings (e.g. epoxy resin, acrylic, ...), thermoplastic coatings, mastic, on cementitious surfaces.

Details: Polycrystalline diamond (PCD) is an extremely hard material. Cup wheels with PCD segments can be used to remove tenacious materials and coatings. Aggressive performance and long lifetime. Protection segments for even and smooth grinding results.

| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|-----------|------------------|---|
| | | STS-S | 34558007 | 125 × 22 × 22.23 | 4 |



DGU-PCD Diamond cup wheel
for coatings and glue residues



Removal of glue residues, plastic and resin based coatings (e.g. epoxy resin, acrylic, ...), thermoplastic coatings, mastic, on cementitious surfaces.

Details: Polycrystalline diamond (PCD) is an extremely hard material. Cup wheels with PCD segments can be used to remove tenacious materials and coatings. Aggressive performance and long lifetime.

| | Shape | Type number | Dimension | Segment height | |
|--|-------|-------------|-----------|------------------|---|
| | | STS-S | 34558008 | 125 × 22 × 22.23 | 4 |

Free hand

Angle grinder AGE125

Blade diameter of 125 mm



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



Extremely durable and
efficient motor for high
performance



Electronics with soft
start, restart and
overload protection

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

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

System & Accessories

Technical data

| | |
|---------------------|--------|
| Max. Ø of saw blade | 125 mm |
| Blade arbour | M14 |

Drive

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

Dimensions & weight

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

System & Accessories

Angle grinder AGE125

| | |
|----------|----------------------------|
| 11002625 | Angle grinder AGE125/230 V |
|----------|----------------------------|

Tool recommendation

| | |
|----------|-----------------------------------|
| 34425401 | PREMIUM DCU Dry cutting saw blade |
|----------|-----------------------------------|

Angle grinder AGE230

Blade diameter of 230 mm



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



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



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

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

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

System & Accessories

Technical data

| | |
|---------------------|--------|
| Max. Ø of saw blade | 230 mm |
| Blade arbour | M14 |

Drive

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

Dimensions & weight

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

System & Accessories

Angle grinder AGE230

| | |
|----------|----------------------------|
| 11002626 | Angle grinder AGE230/230 V |
|----------|----------------------------|

Tool recommendation

| | |
|----------|--|
| 34468871 | PREMIUM DCU TGD® Dry cutting saw blade |
|----------|--|



A blue-tinted photograph of a stone wall. The wall is composed of irregular, roughly-hewn stones of various sizes and shades of grey and blue. A prominent horizontal band of lighter, more uniform-colored stone runs across the middle of the image. The lighting creates strong shadows and highlights, emphasizing the texture and three-dimensional quality of the masonry.

Hand- and ring sawing



Hand- and ring saw blades

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

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



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

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

Application recommendation

Operation only for wet cutting



| Performance Level | Specification | Concrete | Pages |
|--|---------------|----------|-------|
|  PREMIUM | HSL TGD® | ● | 226 |
| | RSL | ● | 226 |
| | RSL-C | ● | 227 |
| | RSL-FC | ● | 227 |
| | RSM | ● | 227 |
|  STANDARD | HSL-FC | ● | 226 |

Colour indication

Low Power /
for hard, non-abrasive materials



Medium Power /
for soft, abrasive materials



★★★
PREMIUM

HSL Hand saw blade

for concrete | in TGD®-Technology

Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 150 mm.

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

| | Shape | Type number | Dimension | Segment height |
|--|-------|-------------|-----------|----------------|
| | | C77W | 54902 | 405×2.8×25.4 |
| | | | 732290 | 416×2.8×25.4 |

★★
STANDARD

HSL-FAST CUT Hand saw blade

for concrete

Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 150 mm.

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

| | Shape | Type number | Dimension | Segment height |
|--|-------|-------------|-----------|----------------|
| | | C7W | 34291707 | 350×4.2×25.4 |

★★★
PREMIUM

RSL Ring saw blade

for concrete | Ø 406 mm / 506 mm

Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 400 mm (Ø 506 mm) / 300 mm (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 | 738471 | 406×3.9×326.8 |
| | | | 738473 | 506×3.9×421.7 |

★★★
PREMIUM

RSL Ring saw blade

for concrete | Ø 366 mm

Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 260 mm. Details: Application in system with fuel operated, electric or hydraulic ring saw machines.

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

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

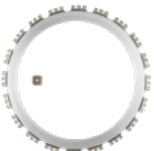

Free hand

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



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 300 mm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT Hydrostress

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

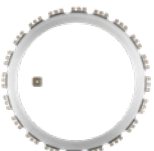

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------|--------------------|----|
|  |  | C1W | 34506869 | 406 × 4.2 × 320 | 10 |
| | | | 34058668 | 406 × 3.9 × 326.78 | 10 |

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



Machinable materials: For fast cutting on reinforced or normal concrete with wall thicknesses of up to 300 mm (Ø 406 mm). Details: The ring saw blades have been optimised to work perfectly with the TYROLIT

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



| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------|--------------------|----|
|  |  | C1W | 34249061 | 306 × 3.9 × 225.2 | 10 |
| | | | 34258692 | 406 × 3.9 × 326.78 | 10 |
| | | | 34438701 | 406 × 3.9 × 320 | 10 |

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



Machinable materials: Usage on reinforced or normal concrete with wall thicknesses of up to 260 mm. Details: Application in system with fuel operated, electric or hydraulic ring saw machines.

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

| | Shape | Type number | Dimension | Segment height | |
|---|---|-------------|-----------|-----------------|----|
|  |  | C1W | 739887 | 366 × 4.2 × 288 | 10 |

 = low

 = medium

★★★
PREMIUM

Hand saw HBE400

Cutting depth up to 150 mm



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



3.2 kW electric motor with fully integrated electronics



Integrated dust extraction connection for dust-free, clean working

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

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

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

System & Accessories

Technical data

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

Drive

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

Dimensions & Weight

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

System & Accessories

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

Accessories

| | |
|----------|------------------------------------|
| 10998741 | Flush cut kit (Hole pattern 7M243) |
|----------|------------------------------------|

Tool recommendation

| | |
|----------|--|
| 34462050 | PREMIUM DCU TGD® Dry cutting saw blade |
|----------|--|

★★★
PREMIUM

Ring saw HRE410

Depth of cut up to 300 mm



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



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



Modular use with WSE1621 wall saw system or electric control unit PPE6

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

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

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

System & Accessories



Technical data

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

Drive

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

Design

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

Dimensions & weight

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

System & Accessories

| Ring saw HRE410/Electric control WSE1621 | |
|--|-------------------------------|
| 10999300 | Ring saw HRE410 |
| 11002700 | Electric control WSE1621 400V |
| 11002643 | Transport case HRE410 |

| Ring saw HRE410/Electric control PPE6 | |
|---------------------------------------|---|
| 10999300 | Ring saw HRE410 |
| 11000500 | Electric control PPE6 400V 10A IP65 12.5kg |
| 11002643 | Transport case HRE410 |

| | |
|----------|---|
| 34438701 | Ring saw blade RSL-FC (C1W 406x3.9x320) |
| 34506869 | Ring saw blade RSL (C1W 406x4.2x320) |
| 11002010 | Drive wheel |



TYROLIT

HYDROSTRESS



Table sawing

| | |
|-------------------------|------------|
| Information | 234 |
| Table saw blades | 236 |
| Machines | 240 |









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 | • | | | | | | 236 |
| | TSU-SILENT | • | | | | | | 237 |
| | TSH | | • | | | | | 237 |
| | TSH-SILENT | | • | | | | | 237 |
| | F40 | | | | | • | | 237 |
| | TSS10 | | | • | | | | 238 |
| | ES-T | | | | | | • | 238 |
| | DCT | | | | | | | • |

Service

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

Remarks / Recommendations

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



TSU Table saw blade

for universal building materials

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



+ **Broad product range.**

+ **Maximum performance and lifetime.**

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

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



TSU Table saw blade for universal building materials



| | Shape | Type number | Dimension | Segment height |
|--|-------|-------------|--------------------|----------------|
| | | C2W | | |
| | | 34180849 | 250 × 2.2 × 35 | 10 |
| | | 34180294 | 300 × 2.4 × 35 | 10 |
| | | 34180293 | 350 × 2.8 × 35 | 10 |
| | | 34180291 | 400 × 3.2 × 35 | 10 |
| | | 34180270 | 450 × 3.2 × 35 | 10 |
| | | 34218744 | 500 × 3.6 × 35 | 10 |
| | | 34180268 | 550 × 3.6 × 35 | 10 |
| | C1W | 34180263 | 625 × 3.6 × 60/55 | 10 |
| | | 34171018 | 650 × 3.9 × 60/55 | 10 |
| | | 34171019 | 700 × 3.9 × 60/55 | 10 |
| | | 34171020 | 900 × 4.8 × 60/55 | 10 |
| | | 34171031 | 1000 × 4.8 × 60/55 | 10 |






TSU-SILENT Table saw blade for universal building materials



Materials able to be machined: Cellular concrete, sand-lime brick, pumice stone, clay brick, etc. Reduces noise by up to 10 dB.

Details: 35–30 mm and 30–25.4 mm reduction bushes are included with disc diameters up to 550 mm. A 60–55 mm reduction bush is supplied with disc diameters of 625 mm and upwards.

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





TSH Table saw blade for hardstone



Materials able to be machined: Granite, gneiss, hard sand-lime brick, hard clay brick.

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

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





TSH-SILENT Table saw blade for hardstone



Materials able to be machined: Granite, gneiss, hard sand-lime brick, hard clay brick. Reduces noise by up to 10 dB.

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



| | Shape | Type number | Dimension | Segment height |
|---|---|-------------|-----------|----------------|
|  |  | C2G | 34221324 | 300 × 2.8 × 35 |
| | | | 34097755 | 350 × 2.8 × 35 |



F40 Table saw blade for abrasive materials



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

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





TSS10 Table saw blade for engineering bricks



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

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



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



ES-T Table saw blade for marble



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

| | Shape | Type number | Dimension | Segment height |
|--|---|-------------|------------|----------------|
|  |  C2 | 5684 | 300×2.4×35 | 7 |
| | | 5685 | 350×2.8×35 | 7 |





DCT Table saw blade for tiles and ceramic materials




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

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

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

Accessories dry cutting saw blades Sharpening plate for tiles



| | Type number | Dimension |
|---|-------------|------------|
|  | SP6 | 55×25×320 |
| | 34574956 | 320×55×320 |



★★★
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 |

Tool recommendation

| | |
|--------|-----------------------------|
| 639569 | PREMIUM DCT Table saw blade |
|--------|-----------------------------|

★★
STANDARD

Masonry saw TBE400

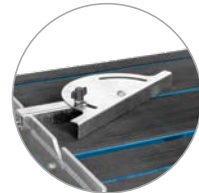
Cutting depth up to 125 mm



Swivelling saw head enables 45° mitre cuts



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



Angle stop provided for cuts of 30° to 90°

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

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

System & Accessories

Technical data

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

Drive

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

Design

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

Dimensions & weight

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

System & Accessories

| Masonry saw TBE400 | |
|---------------------|-----------------------------|
| 10998400 | Masonry saw TBE400 / 230 V |
| Tool recommendation | |
| 34180291 | PREMIUM TSU Table saw blade |

★★★
PREMIUM

Masonry saw TME700

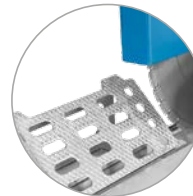
Cutting depth up to 270 mm



Removable water tank for easier cleaning



Sturdy, balanced transport hook for easy crane transport



Precise mitre cutting thanks to mitre stop

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

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

System & Accessories

Technical data

| Saw blade | |
|--------------------|-----------|
| Max. cutting depth | 270 mm |
| Max. saw blade Ø | 700 mm |
| Cutting length | 600 mm |
| Saw blade speed | 1 380 rpm |
| Saw blade holder Ø | 60 mm |
| Carrier Ø | 11.5 mm |
| Reference circle Ø | 120 mm |

Drive

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

Design

| |
|---|
| Infinitely adjustable cutting depths |
| Angle cutting function (angle stop) |
| Mitre cutting function (swiveling saw head) |
| Transport hook and fork lift guides |
| Pull-out water tank |
| Electric water pump |

Dimensions & Weight

| | |
|--------|----------|
| Length | 1 470 mm |
| Width | 910 mm |
| Height | 1 350 mm |
| Weight | 220 kg |

System & Accessories

| Masonry saw TME700 | |
|--------------------|----------------------------|
| 10989600 | Masonry saw TME700 / 400 V |

Accessories

| | |
|----------|--------------------------|
| 10978735 | Mitre stop (Jolly table) |
|----------|--------------------------|

Tool recommendation

| | |
|----------|-----------------------------|
| 34171019 | PREMIUM TSU Table saw blade |
|----------|-----------------------------|

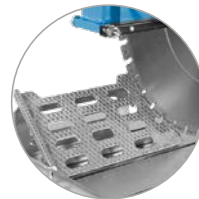
★★★
PREMIUM

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) |
|----------|--------------------------|

Tool recommendation

| | |
|----------|-----------------------------|
| 34171031 | PREMIUM TSU Table saw blade |
|----------|-----------------------------|

★★★
PREMIUM

Cellular concrete band saw TBS510

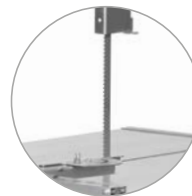
Cutting height up to 510 mm



Fast, simple saw band replacement thanks to quick-release fastener



Automatic saw band shutdown ensures no unnecessary load on the saw band



Constant and optimum saw band tension for excellent cutting accuracy and long life time

The TBS510 cellular concrete band saw is designed for the machining of cellular concrete and all kinds of bricks. The ideally sized saw band rollers guarantee durability and the automatic saw band tensioning system enables consistent band tension for exceptional cutting

accuracy and reduced risk of fracture on the saw band. A particular feature is the low need for maintenance ensured due to the direct drive of the saw band wheels. Cuttings are removed freely thanks to the large opening in the lower saw roller box.

System & Accessories

Technical data

| | |
|---|----------|
| Cutting height | 510 mm |
| Cutting length | 700 mm |
| Saw band length | 3 750 mm |
| Saw rollers Ø | 500 mm |
| Bar / saw band outlet | 490 mm |
| Max. load bearing capacity of saw bench | 50 kg |

Drive

| | |
|---------------------|----------------|
| Motor | Electric |
| Power | 1.5 kW / 230 V |
| Current consumption | 12.5 A |

Dimensions & weight

| | |
|---------------------------|--------------|
| Max. saw bench dimensions | 920 / 710 mm |
| Length | 1 080 mm |
| Width | 750 mm |
| Height | 1 840 mm |
| Weight | 173 kg |

System & Accessories

| | |
|--|--|
| Cellular concrete band saw TBS510 | |
| 11000101 | Cellular concrete band saw / 230 V, incl. saw band |
| Tool recommendation | |
| 34453058 | HM saw band, length 3,750 x 27 mm, 3 teeth/inch |





Other

| | |
|-----------------------|-----|
| Filter presses | 252 |
| Pressing and crushing | 254 |
| Notes | 263 |

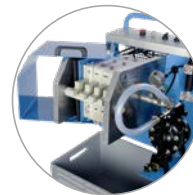
★★★
PREMIUM

Filter press SPP400

Cake volume 2.4 litres



Clear, user-friendly control panel



Filter unit



Suction pump

The SPP400 filter press was specially developed for small construction sites and, due to its compact design, is the most mobile and easiest to use filter press on the market. Thanks to its low weight, patented air cushion

technology and trolley chassis, one-man operation is no problem.

With this filter press, TYROLIT enables concrete and stone slurry to be disposed of in an expert and

environmentally friendly way. The recycled water can be discharged into the sewers or reused without problem, and the residues (cakes) in the filter can be disposed of at low cost as building rubble.

System & Accessories

Technical data

| | |
|-------------------------------|--|
| Filter press SPP400 | |
| Brief description | Mobile solution for temporary construction sites |
| Operation | Compressed air |
| Required pressure | 250 l / 8 bar |
| Recycling capacity | 400–600 l/hr. |
| Cake volume | 2.4 l |
| Dimensions and weight | |
| Length | 600 mm |
| Width | 630 mm |
| Height | 950 mm |
| Weight | 79 kg |
| Recommended compressor | |
| Capacity | 340 l/min |
| Supply pressure | 8 bar |
| Revolutions | 1450 rpm |

Other versions

| | |
|----------------------------|---|
| Filter press SPP600 | |
| Brief description | For continuous mobile or stationary use on construction sites |
| Operation | Compressed air |
| Required pressure | 250 l / 6 bar |
| Recycling capacity | 400–600 l/hr. |
| Cake volume | 6.4 l |

Dimensions and weight

| | |
|--------|----------|
| Length | 1 200 mm |
| Width | 800 mm |
| Height | 1 620 mm |
| Weight | 320 kg |

Recommended compressor

| | |
|-----------------|-----------|
| Capacity | 340 l/min |
| Supply pressure | 10 bar |
| Revolutions | 1 450 rpm |

Other versions

| | |
|-----------------------------|---|
| Filter press SPP1200 | |
| Brief description | High filter capacity for industrial use on large construction sites, in concrete plants and natural stone companies |
| Operation | Compressed air |
| Required pressure | 500 l / 7 bar |
| Recycling capacity/hr. | 2 000 l/hr. – 160 kg solids |
| Recycling capacity/cycle | 400 l/hr. – 32 kg solids |
| Cake volume | 30 l |

Dimensions and weight

| | |
|--------|----------|
| Length | 1 200 mm |
| Width | 800 mm |
| Height | 1 600 mm |
| Weight | 520 kg |

Recommended compressor

| | |
|-----------------|-----------|
| Capacity | 500 l/min |
| Supply pressure | 8 bar |

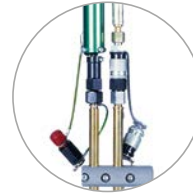
System & Accessories

| | |
|-----------------------|---------|
| Filter presses | |
| 10998274 | SPP400 |
| 10998275 | SPP600 |
| 10998276 | SPP1200 |

★★★
PREMIUM

Press tool CP-110/BTH350

Pressing force of 110 and 260 tons



Safety due to special hose connection system



Pressure plates ensure even pressure distribution and pass expansion

TYROLIT pressing tools enable controlled demolition without water, noise, dust or vibrations.

System & Accessories

Technical data

| | CP-110 | BTH350 |
|---|------------------------|---------------------|
| Pressing force | 108 tons | 260 tons |
| Number of pistons | 3 | 2 |
| Stroke | 24 mm | 50 mm |
| Required core bore hole Ø (with pressure plate) | 130 mm | 200 mm |
| Required core bore hole Ø (without pressure plate) | 110 mm | Not recommended |
| Weight | 15 kg | 36 kg |
| Connecting lines | 2 off (short/straight) | 2 off (long/curved) |
| High-pressure connection | Screw version | |

System & Accessories

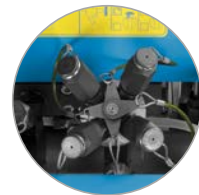
| CP-110 | |
|-----------------------------------|---|
| 975756 | Burster head CP-110 with screw connection |
| BTH350 | |
| 10986983 | Burster head BTH350P |
| Hydraulic hoses | |
| 975604 | HP-hose 5 m screwed |
| 975608 | Low pressure hose 5 m |
| Concrete press system accessories | |
| 973886 | Male coupling for LP-hose |
| 979401 | Cap Ø 20 mm LP-hose |
| 970285 | Double fitting for HP-hose |
| 980397 | Cup ¼" HP-hose |
| 970301 | HP-pipe short straight CP/SP |
| 970303 | HP-pipe long straight CP/SP |
| 971383 | HP-pipe long bended SP |
| 970271 | Pressure plate |
| 978272 | Pressure plate CP-110 250 mm |

Drive AU

Working pressure up to 2 000 bar



User-friendly thanks to clear inspection and control panel



Accessories: Distributor head for 8 pressing tools



Two separately adjustable outputs for controlled pressing work

Suitable for pressing tools CP110 and BTH350. The high-pressure drive generates a pressing force of up to 2 100 tonnes.

System & Accessories

Technical data

| Hydraulics | |
|--------------------------------|----------------------------|
| Press force | 0.5 l/min at 2 000 bar |
| Low pressure | 2.4 l/min at 150 bar |
| Booster pressure | 14.4 l/min at 80 bar |
| Oil tank capacity | 13 litres |
| Motor | |
| Electric motor | Air-cooled |
| Voltage | 200/230/380/400/460 V |
| Current (400 V / 50 Hz) | 10 A |
| Frequency | 50/60 Hz |
| Output | 2.2 kW |
| Connections | |
| High pressure | 2 pcs. (optionally 8 pcs.) |
| Low pressure | 4 pcs. (optionally 8 pcs.) |
| Dimensions & Weight | |
| Length | 750 mm |
| Width | 560 mm |
| Height | 755 mm |
| Weight | 127 kg |

System & Accessories

| Drive unit AU | |
|----------------------|---------------------------------------|
| 975754 * | High pressure drive unit AU 400/50 EU |
| 975761 | Tool box |
| Accessories | |
| 973071 | El.-plug CEE 16/5 pol. |
| 974045 | 4-way HP adaptor unit |
| 960827 | 2 way inlet connection |
| 970300 | Adaptor M24-G¼" for SP |
| 974053 | Return nipple complete CP/SP |
| 974054 | Screw nipple complete CP/SP |
| 974050 | Screwing set CP/SP |

* Different voltage and frequency types are available upon request.

Crusher BZ

For wall thicknesses of 120 to 300 mm



Distance washer
(25 and 50 mm)
for various wall thicknesses



Various pressure head
accessories



Easy and safe operation

The crusher for controlled demolition without water, noise, dust or vibrations. The weight-optimised

high-strength aluminium body can be comfortably operated by 2 persons.

System & Accessories

Technical data

| Crusher BZ | |
|------------------|------------|
| Crushing force | 30 tons |
| Wall thicknesses | 120–300 mm |

Dimensions & Weight

| | |
|--------|--------|
| Length | 530 mm |
| Width | 290 mm |
| Height | 910 mm |
| Weight | 47 kg |

System & Accessories

| Crusher BZ | |
|------------|-------------|
| 975197 | Crusher BZ |
| 975728 | Tool box BZ |

Accessories

| | |
|--------|--|
| 977522 | Steel point BZ |
| 974203 | Special head BZ for stair removal |
| 974204 | Pressure head BZ for thickness <150 mm |
| 970632 | Distance washer 50 mm |
| 970630 | Distance washer 25 mm |

Drive BW-2

Working pressure up to 750 bar



Easy transport due to detachable motor

Suitable for crusher BZ. The small, handy and lightweight drive with removable main motor.

Technical data

Hydraulics

| | |
|-------------------|--------------------------|
| Hydraulic power | 7.4 l/min at 750 bar |
| Oil cooling | Oil/water heat exchanger |
| Oil tank capacity | 6 litres |

Motor

| | |
|-----------------|-----------------------------|
| Motor | Water-cooled electric motor |
| Voltage | 200/230/380/400/460 V |
| Current (400 V) | 16 A |
| Frequency | 50/60 Hz |
| Output | 10 kW |

Dimensions & Weight

| | |
|--------|--------|
| Length | 800 mm |
| Width | 510 mm |

| | |
|--------|----------|
| Height | 1,050 mm |
|--------|----------|

| | |
|-------------------|-------|
| Weight with motor | 64 kg |
|-------------------|-------|

| | |
|----------------------|-------|
| Weight without motor | 34 kg |
|----------------------|-------|

System & Accessories

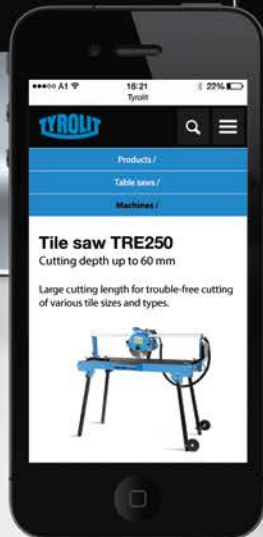
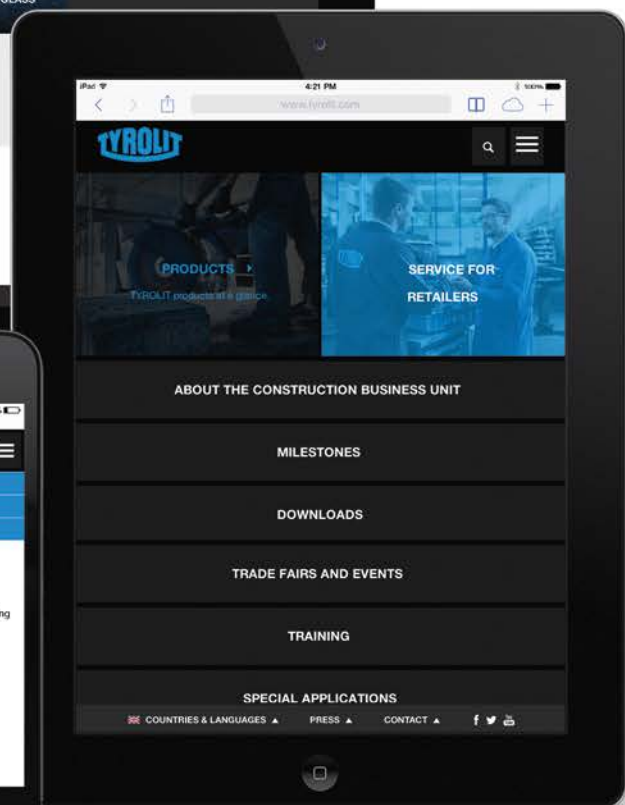
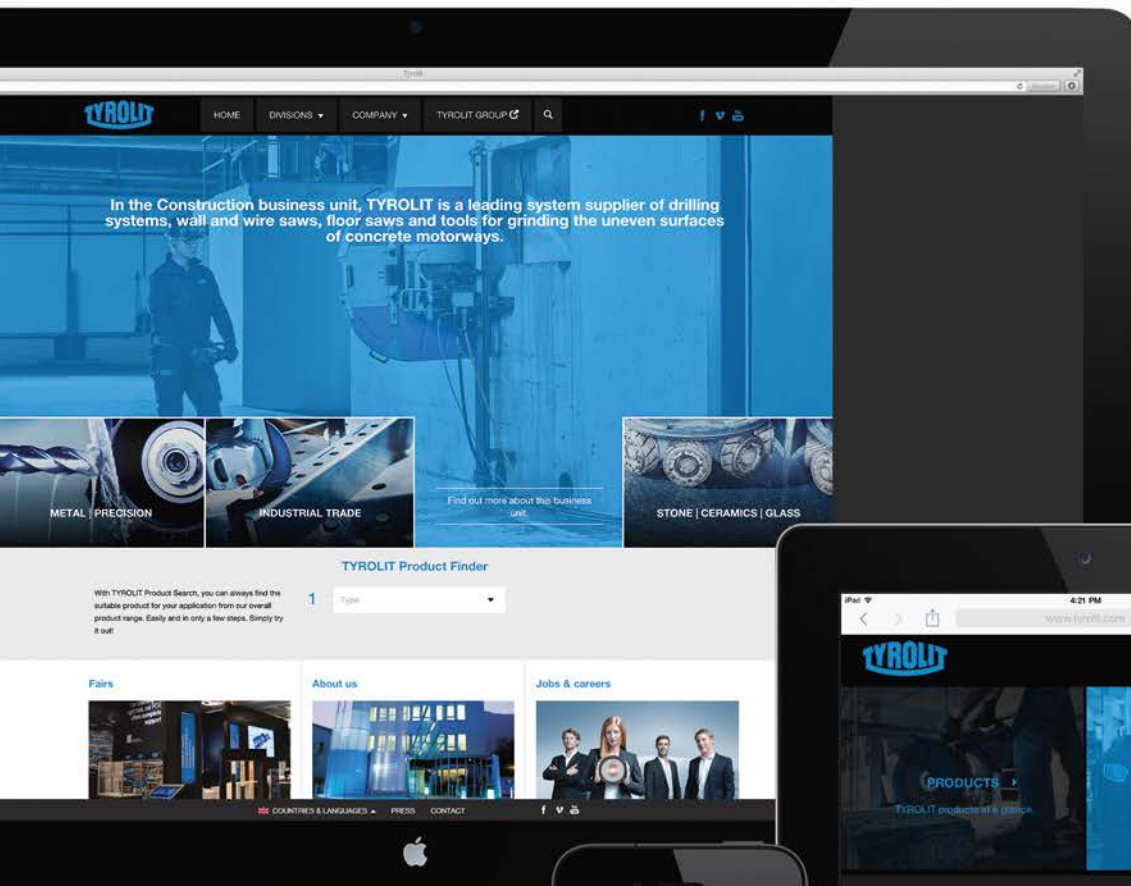
Drive unit BW-2

| | |
|---------|------------------------------------|
| 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.



www.tyrolit.com



TYROLIT



Notes

Other

Safety

Safety and the brand TYROLIT

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

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

For safe working with grinding tools, it is necessary that

- machine manufacturer
- abrasive manufacturer and
- operator

contribute their part in equal measure. TYROLIT guarantees that the 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 recommends not to use grinding tools, which do not have the symbols oSa®, EN13236 (diamond tools), EN12413 (cutting and grinding wheels) or EN13743 (flap discs).

Assembly / repair

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

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

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

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

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

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

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

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

Only use machines with suitable blade guards.

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

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



Application

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

Secure the workpiece to prevent accidental slipping.

Support plates or large workpieces in order to reduce the risk of wheel pinching and kickback.

Large workpieces tend to sag under their own weight.

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

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

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

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

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

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

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

Safety information



Use gloves



Use dust mask



Only permitted for wet grinding



Do not use damaged wheels



Use eye protection



Personal safety



For dry applications



Not permitted for side grinding



Use ear protection



Pay attention to the safety recommendations



Not permitted for wet grinding



No freehand work

Recommended RPM

| Revolutions per minute [RPM] depending on the external tool diameter [D] and the operating speed [VS] | | | | | | | |
|---|---------------------------------------|-------|--------|-------|--------|-------------|--------|
| D in mm | Recommended operating speed VS in m/s | | | | | | |
| | Drilling | | Sawing | | | Dry-cutting | |
| | 2 | 3 | 40 | 50 | 60 | 80 | 100 |
| 14 | 2 730 | 4 090 | | | | | |
| 16 | 2 390 | 3 580 | | | | | |
| 20 | 1 910 | 2 860 | | | | | |
| 25 | 1 530 | 2 290 | | | | | |
| 32 | 1 190 | 1 790 | | | | | |
| 42 | 910 | 1 360 | | | | | |
| 52 | 730 | 1 100 | | | | | |
| 62 | 620 | 920 | | | | | |
| 72 | 530 | 800 | | | | | |
| 82 | 470 | 700 | | | | | |
| 100 | 380 | 570 | 7 640 | 9 550 | 11 460 | 15 280 | 19 100 |
| 115 | 330 | 500 | 6 640 | 8 300 | 9 960 | 13 290 | 16 610 |
| 125 | 310 | 460 | 6 110 | 7 640 | 9 170 | 12 220 | 15 280 |
| 150 | 250 | 380 | 5 090 | 6 370 | 7 640 | 10 190 | 12 730 |
| 180 | 210 | 320 | 4 240 | 5 310 | 6 370 | 8 490 | 10 610 |
| 200 | 190 | 290 | 3 820 | 4 770 | 5 730 | 7 640 | 9 550 |
| 230 | 170 | 250 | 3 320 | 4 150 | 4 980 | 6 640 | 8 300 |
| 250 | 150 | 230 | 3 060 | 3 820 | 4 580 | 6 110 | 7 640 |
| 300 | 130 | 190 | 2 550 | 3 180 | 3 820 | 5 090 | 6 370 |
| 350 | 110 | 160 | 2 180 | 2 730 | 3 270 | 4 370 | 5 460 |
| 400 | 100 | 140 | 1 910 | 2 390 | 2 860 | 3 820 | 4 770 |
| 450 | 80 | 130 | 1 700 | 2 120 | 2 550 | 3 400 | 4 240 |
| 500 | 80 | 110 | 1 530 | 1 910 | 2 290 | | |
| 600 | 60 | 100 | 1 270 | 1 590 | 1 910 | | |
| 700 | 50 | 80 | 1 090 | 1 360 | 1 640 | | |
| 800 | 50 | 70 | 950 | 1 190 | 1 430 | | |
| 900 | 40 | 60 | 850 | 1 060 | 1 270 | | |
| 1 000 | 40 | 60 | 760 | 950 | 1 150 | | |
| 1 200 | 30 | 50 | 640 | 800 | 950 | | |

Trouble-shooting

Wet core drill

1. Excessive wear of diamond segments

- Insufficient coolant supply. Adjust the water supply and/or check the water lines.
- The operating speed of the core drill is too low. Increase the RPM (see RPM recommendations).
- The engine power is too high. Match the motor power to the drilling diameter.
- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The selected core drill may not be suitable for the material being drilled, or the material is too abrasive. Use a harder specification (e.g. CDL - CDM).

2. Excessive wear of the steel tube

- The machine is vibrating. Fix the drill rig and/or check the general state of the machine (e.g. bearings and rollers).
- The core drill is warped / is not running true.
- The core drill is not fixed properly. Check if the core drill is aligned with the motor spindle.
- There are remains in the hole, which have not been removed by the coolant. Increase the coolant supply temporarily.
- You are drilling in loose material (e.g. gravel).

3. Broken segments

- In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.
- The core drill has struck multiple times against reinforcements or fragments. Remove all loose steel and segment parts before introducing a new core drill.
- The core drill is cutting into loose reinforcement. Reduce the RPM when drilling reinforcements in order to avoid damage to the core drill.

4. Drill bit does not drill Segments are overloaded

Flat segment surface, possible deformation of the segments, high number of pull-outs (>50 %), drill chatters

- The operating speed is too low. Increase the RPM.
- The grinding pressure is too high. Reduce the pressure.
- The material may be too soft and abrasive for the used specification. Use a harder specification (e.g. CDL - CDM).

5. Drill bit does not drill Segments are underchallenged

Smooth segment surface, polished diamonds (shining, no sharp edges)

- The diamond segments are smooth (polished).

Re-sharpen the drill bit by drilling into soft, abrasive material or use a TYROLIT sharpening plate.

The operating speed is too high. Reduce the RPM.

The grinding pressure is too low. Increase the pressure.

The engine power is too low. Match the motor power to the drilling diameter.

Excessive coolant supply, only clear water is coming out of the drill hole (no slurry). Reduce the coolant supply and check the consistency (should be milky/cloudy).

The material may be too hard for the used specification. Use a softer specification (e.g. CDL - CDM).

6. The core drill is jammed

Debris is blocked between the core and the tube wall (steel, pieces of material). Remove the drill rig and, using a wrench, turn the core drill alternately in both directions until it can be removed. Take the debris out of the drill hole before introducing a new core drill.

The drill rig was not fixed correctly and has moved during drilling. Drill rig and core drill are no longer aligned. Align and re-fix the drill rig.

Trouble-shooting Diamond saw blade

1. Excessive wear

The saw blade is not suitable for the material being cut. Use a harder specification.

Insufficient water supply. Adjust the water supply and/or check the water lines.

The blade is pounding, which accelerates the wearing. The reasons could be poor bearings, a worn spindle shaft or the use of a too hard specification for the material being cut. Check the state of the machine or use a softer specification.

The operating speed (RPM) is too low. Use the correct RPM for the diameter of the blade (see RPM recommendations).

2. Undercutting

Undercutting is a condition in which the steel center wears faster than the diamond segment, especially in the areas where the segment and core are joined. This is caused by highly abrasive material grinding against the blade during the sawing operation. Finally this can lead to segment loss.

Be sure to have sufficient water supply. Only with sufficient water the abrasive grinding slurry will be transported out of the contact zone and will thus reduce the undercutting effect.

Do not cut into the sub base of the pavement (lose gravel or sand). The loose material scrubs strongly on the body and tips it below the segments.

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

3. The blade does not cut

The saw blade is too hard for the material being cut. Check if the specification is appropriate. A glazed blade can be sharpened by cutting into soft, abrasive material.

The output power of the machine is insufficient to permit the blade to cut properly. Make sure that the specification is appropriate for the machine power and the material being cut. Repeatedly check the tension of the V-belt in order to guarantee an optimal transmission of power.

The speed is too high. To reduce the speed. Should the speed can not be changed can perform the cut in several deliveries.

The blade is not mounted correctly. Look for the correct one-direction of the saw (direction of rotation arrow).

4. Overheating

Overheating may lead to several problems like loss of core tension, cracks in the steel core and segment loss (in case of brazed segments). Overheating can be identified by a discoloration (blue and/or black oxidation) of the blade or the segments.

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

An excessive cutting pressure leads to overheating of dry-cutting tools. Use several passes of 2 to 5 cm deep for cutting solid materials.

On a regular basis, release the pressure on the diamond blade and allow it to rotate freely for cooling in the air. Do not use excessive pressure – the weight of the machine is sufficient.

5. Loss of blade segment

The machine was not held firmly or the material was not fixed, which caused the blade to twist or jam in the cut. Secure the material firmly while cutting and maintain a firm grip on the machine.

The blade is too hard for the material being cut which causes the blade to chatter. Use a softer specification.

The blade has been undercut. Make sure that there is sufficient water supply and do not cut into the base layer of the pavement (gravel).

In case of brazed segments, a short interruption of the cooling can lead to overheating and thus to a destruction of the soldered joint.

The saw has not been mounted correctly and starts to chatter.

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

6. Cracks in the segment

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

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

7. Cracks in the steel core

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

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

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

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

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

8. Uneven segment wear

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

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

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

9. Loss of tension

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

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

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

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

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

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

10. Damaged bore

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

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

Send the saw blade back to the manufacturer for repair.

Working together successfully

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

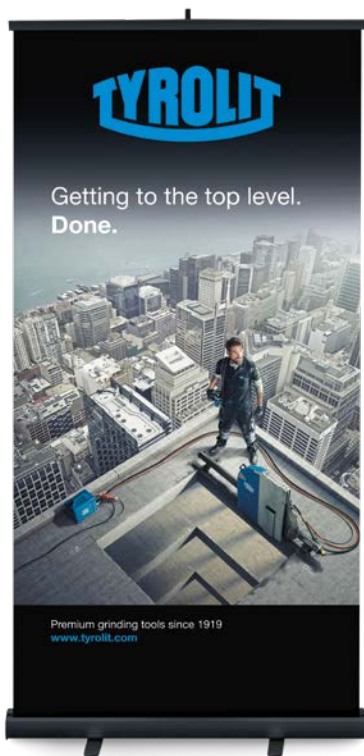
Promotion as a key factor

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

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



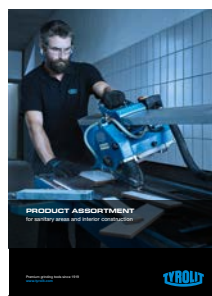
POS



Roll-Up



Poster



Leaflets

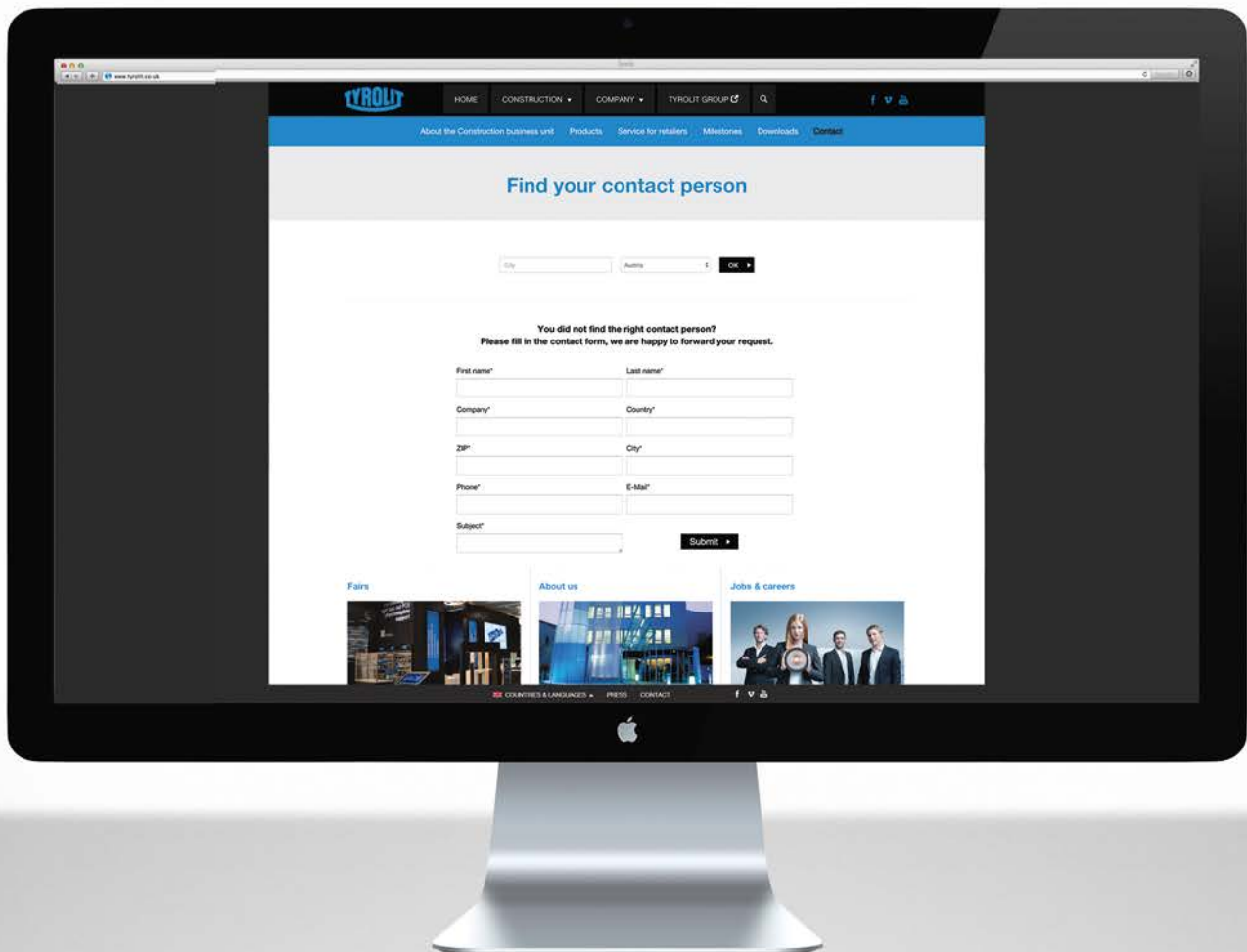


Beach-Flag

TYROLIT addresses

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

www.tyrolit.com



TYROLIT Project Services

Special project services at the highest level

TYROLIT is known for reliable diamond technology and premium products. However, we offer much more than merely products for classic areas of application. In addition to renovation solutions, the demolition of bridges and other large-sized structures made from steel and steel-reinforced concrete, the TYROLIT Project Services Team offers competent support even in delicate surroundings, such as nuclear power plants or offshore platforms.



Adaptable product solutions let customers reach their goals efficiently and economically

For special applications in complex projects, the TYROLIT Project Services Team delivers sophisticated solutions that can be adequately adjusted to the customer's requirements. In addition to the classic concrete drilling and cutting equipment, for example, we offer our customers drilling systems for large-scale drilling diameters and depths, curved tracks or pile cutters for separating pipes and pillars. The adaptation of the products is usually fast and straightforward – true to TYROLIT's philosophy to support customers to get their job done as quickly and efficiently as possible.



The professional partner in controlled decommissioning

TYROLIT is an especially strong partner in the controlled decommissioning of nuclear power plants and offshore facilities – the supreme discipline of special construction projects. In such high-stakes operations, not only an extremely professional manner of proceeding, but also a great deal of experience is required, no matter where these projects take place. In the past, TYROLIT has already supported customers all over the globe, for instance with the restoration of water dams in Australia and South America, with underwater-cutting in the Atlantic Ocean, or with the decommissioning of nuclear power plants like the one in Belene (Bulgaria).

The only ATEX-certified wire saw system worldwide comes from TYROLIT

The unique ATEX-certified wire saw system by TYROLIT is mainly used for cutting pipes or other steel structures in working environments where explosion-hazardous gases can escape. TYROLIT is the first supplier worldwide to fulfil the stringent European Union explosion protection directive.

- + Certified for explosion hazardous areas (EX Zone 1, II 2G, IIA c T3)
- + Modular, combinable system, also suitable for the use with already certified drives
- + Robust DWH-S ATEX diamond wire with a very high cutting performance, an outstanding lifetime, noticeable smooth running and a high number of beads
- + Hydraulic SB wire saw with large wire storage (up to 10 m), high power transfer thanks to multiple roller transfer, and hydraulic wire tensioner
- + PPH40RR drive with certified protective cabin
- + For all metals except for titanium
- + Wire speed 10 – max. 18 m/s

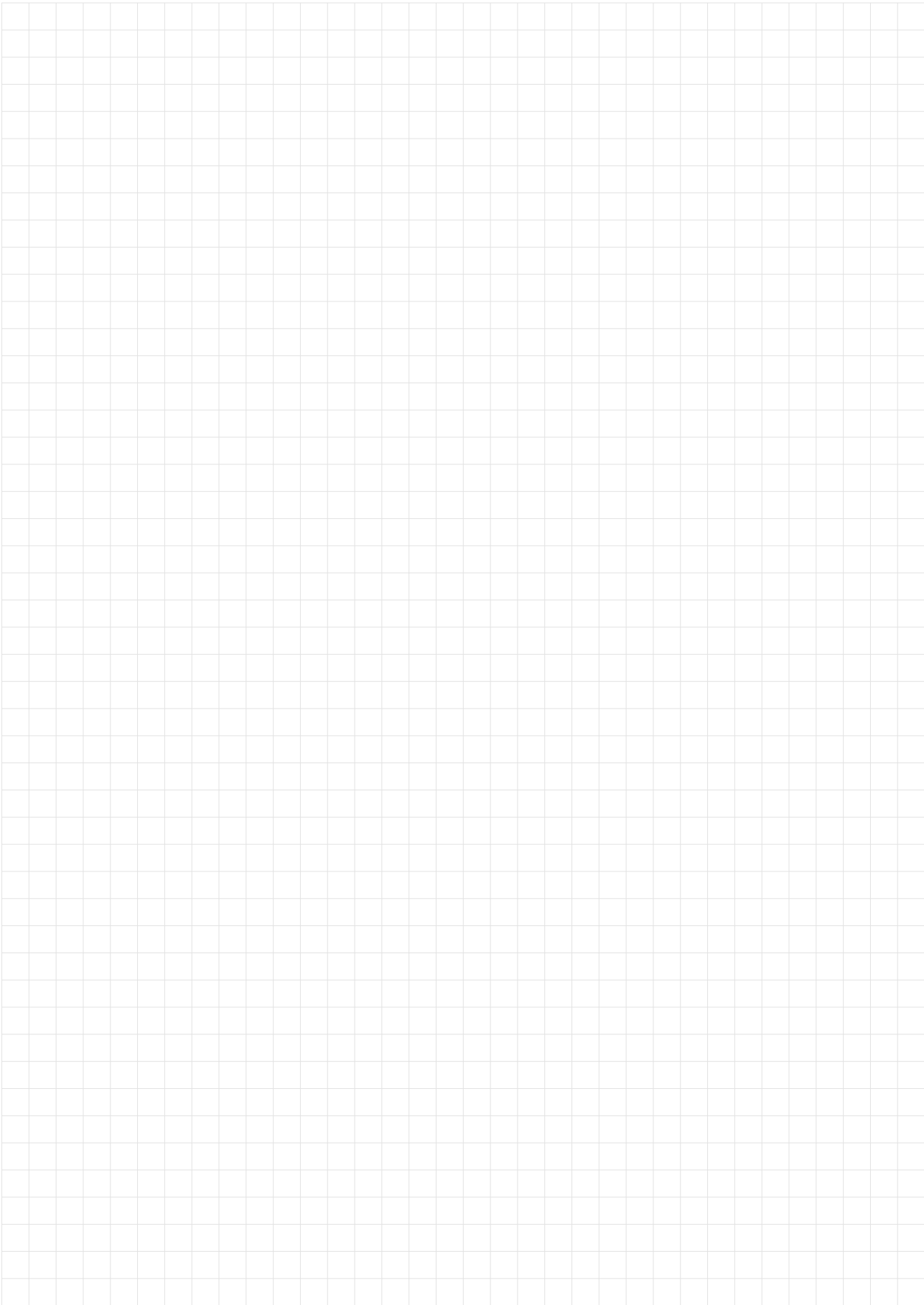


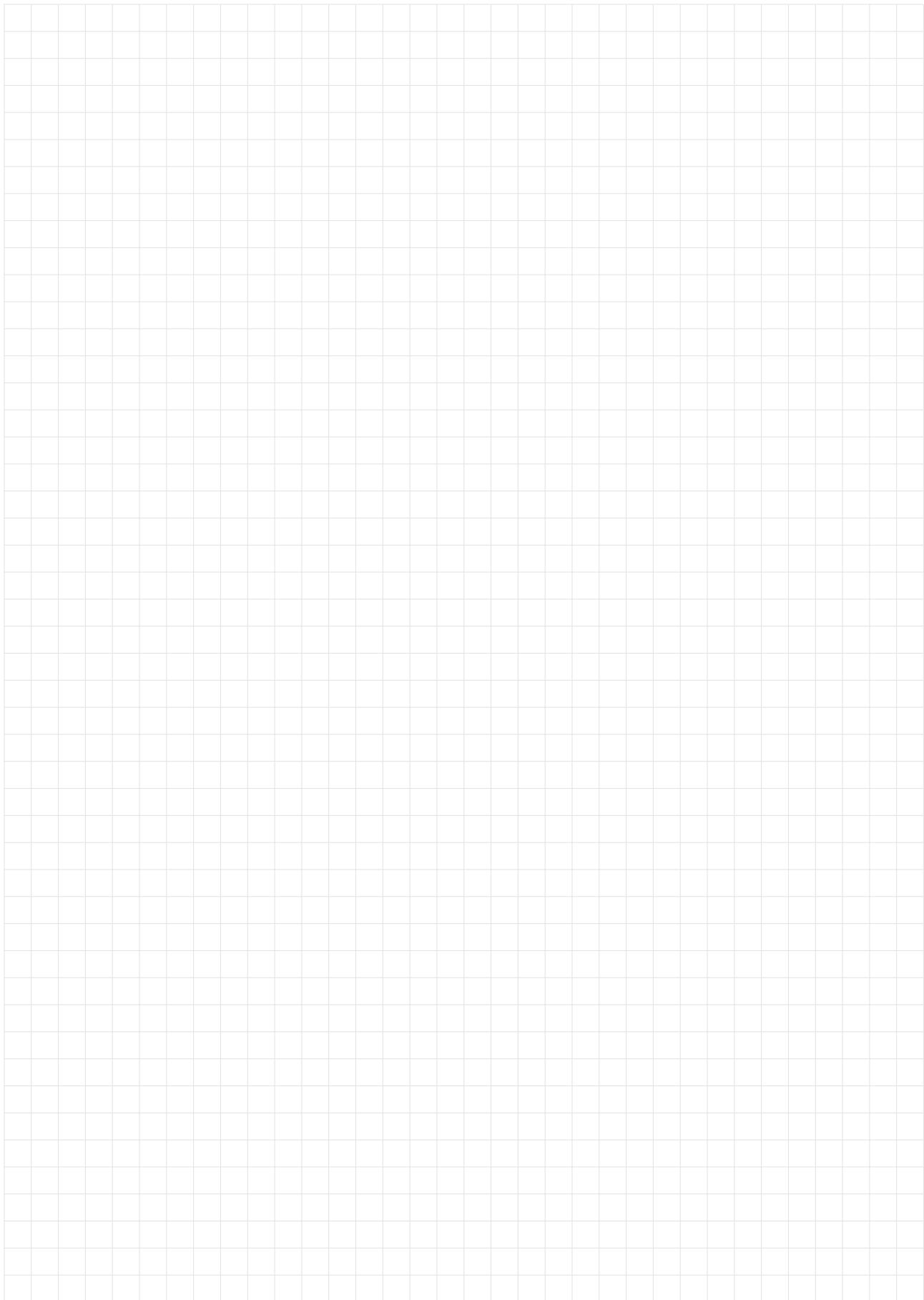
Our services for special projects comprise

- + Feasibility studies
- + Planning concepts
- + Principle sketches
- + Customised products for machines & tools
- + Project management
- + Trainings

Find out more at www.tyrolit.com







Catalogue

General information

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

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A detailed version of our terms and conditions can be found at

www.tyrolit.com

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Our **worldwide subsidiary** companies can be found
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