



Product Programme Construction 2024

Machines and Diamond Tools

English | 2024

Premium grinding solutions since 1919
www.tyrolit.com

TYROLIT

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



31
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.

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Your reliable partner for customised solutions

Alongside the standard assortment, Tyrolit also offers machines, tools and project support for special construction projects like the controlled decommissioning of offshore facilities and nuclear power plants, as well as the construction and reconstruction of tunnels.

Tailored products

For special applications in small or large complex projects, the Tyrolit Project Service team delivers ingenious solutions that get our partners to their goals quickly and efficiently.

- + Feasibility studies
- + Planning concepts
- + Principle sketches
- + Customised products for machines & tools
- + Project management
- + Training courses



Convincing Technologies

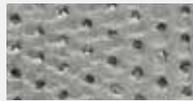


TGD®
TECHNOLOGY

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

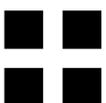


P2®
TECHNOLOGY

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



Modular
TECHNOLOGY

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



MoveSmart

MoveSmart is Tyrolit's innovative software solution for crosslinking operating assets and provides the most up-to-date operating and user data. In connection with the MoveSmart hardware, it provides an overview of where and when equipment is used. At the same time, MoveSmart provides up-to-date test and safety checks, and, thus, enables maintenance planning in advance. With MoveSmart, construction sites, maintenance and repairs can be conveniently planned via the web version or mobile phone app from anywhere.

Your advantages:

- + Significantly increased efficiency
- + Avoids idle times and machine breakdowns
- + Increased safety



Core Drilling

Wet Drilling



★★★ PREMIUM **NEW**

DME20PU/PW/CW
 Drill motor
 Up to Ø 180 mm
 2.0 kW
 3 gears

★★★ STANDARD

DME22SU
 Drill motor
 Up to Ø 180 mm
 2.2 kW
 3 gears

★★★ PREMIUM **NEW**

DME26MW/UW
 Drill motor
 Up to Ø 250 mm
 2.6 kW
 3 gears

★★★ PREMIUM **NEW**

DME32MW/UW
 Drill motor
 Up to Ø 350 mm
 3.2 kW
 3 gears

★★★ PREMIUM

DME52UW
 Drill motor
 Up to Ø 500 mm
 5.2 kW
 3 gears

★★★
PREMIUM



DGB1000
Core Drilling Gearbox
Up to Ø 1000 mm
Hydraulic and electric

★★
STANDARD



DRS162
Core Drilling System
Up to Ø 162 mm
incl. 2.5 kW drill motor

★★
STANDARD



DRS250
Core Drilling System
Up to Ø 250 mm
incl. 2.5 kW drill motor

★★★ PREMIUM ★★ STANDARD ★ BASIC



WET DRILL BITS

- + Ø 10 – 1 400 mm
- + For motors with 2 – 5 kW (electric)
- + Many optimally adapted versions for different kinds of reinforced concrete
- + Various segment widths and types available
- + TGD® versions for even more efficiency

★★★ PREMIUM



DEEP CORE DRILL BITS

- + Ø 20 – 300 mm
- + For motors with up to 7.5 kW (electric), can be combined with DGB1000
- + Machinable materials: Natural stone (Granite, Gneiss, Quartz, Basalt, Dolomite), reinforced concrete (medium hard-hard)

NEW



VPE600
Vacuum pump
Ultimate vacuum until 900 mbar
Water separators with filters included

Dry Drilling & Tile Drilling

★★★
PREMIUM



DME19DP

Drill motor
Up to Ø 162 mm
1.8 kW
With percussion

★★★
PREMIUM



DME17DP

Drill motor
Up to Ø 200 mm
2.0 kW
With percussion, 2 gears



DHE32

Universal drill hammer
Up to Ø 32 mm
SDS-plus
Incl. 16 mm drill

★★★
PREMIUM

★★
STANDARD

★
BASIC



DRY DRILL BITS

- + Ø 32 – 250 mm
- + For motors with 1 – 3 kW (with and without soft impact)
- + For lightly to medium reinforced concrete and masonry
- + Special solutions for installing sockets

★★★
PREMIUM



TILE DRILLS AND ACCESSORIES

- + Ø 5 – 82 mm
- + Available as single drills or in different sets
- + Optionally with HEX or M14 connection
- + Drill bits with paraffin for dry drilling

Drill Rigs for Wet and Dry Drilling

★★★
PREMIUM



DRA150
Drill rig
Up to Ø 150 mm
Clamping collar 60 mm
Dowel foot

★★★
PREMIUM



DRU160
Drill rig
Up to Ø 160 mm
Clamping collar 60 mm
Dowel | Vacuum

★★★
PREMIUM



DRA250/DRU250
Drill rig
Up to Ø 250 mm
ModulDrill™
Dowel | Vacuum

★★★
PREMIUM



DRU350 MKII
Drill rig
Up to Ø 350 mm
360° rotation, ModulDrill™
Telescoping system

★★★
PREMIUM



BY
Drill rig
Up to Ø 350 mm
ModulDrill™
2-column-guiding

★★★
PREMIUM



DRA400/DRU400
Drill rig
Up to Ø 400 mm
ModulDrill™
Dowel | Vacuum

★★★
PREMIUM



DRA500
Drill rig
Up to Ø 500 mm
ModulDrill™
Extendable

★★★
PREMIUM



BC-2
Drill rig
Up to Ø 1 000 mm
2-column-guiding
Modularity with wire saw

Free Hand



More information
about our dry cutting
assortment



AGE125

Angle grinder
Up to Ø 125 mm
900 W
Soft start



AGE230

Angle grinder
Up to Ø 230 mm
2.1 kW
Soft start

★★★
PREMIUM

★★
STANDARD

★
BASIC

✦



DRY CUTTING SAW BLADES

- + Get the perfect specification for any material: from universal construction materials to hard stone, concrete or asphalt
- + Ø 115 – 400 mm
- + TGD® | SILENT | FAST CUT | LONG LIFE versions

★★★
PREMIUM

✦




DC-ALL – THE ALLROUNDERS

- + Dry cutting saw blades for any materials
- + Ø 115 – 400 mm
- + FAST CUT | RESCUE versions

★★★
PREMIUM

★★
STANDARD

★
BASIC



DRY CUTTING SAW BLADES FOR ANGLE GRINDERS

- + Perfectly suited for garden and landscape design as well as for interior fittings
- + Roofer's blade Ø 230 mm
- + Tile cutting blades for tiles and marble (Ø 100 – 230 mm) as well as for porcelain and stoneware (Ø 115 – 125 mm)

Wall Chasing & Wall Grinding



HCE150

Wall chaser
 Ø 150 mm
 2.3 kW
 Kit for 2 or 3 blades



WALL CHASER BLADES

For Concrete
 Ø 125 – 150 mm
 FAST CUT version

★★★ PREMIUM ★★ STANDARD



CUP WHEELS

- + For grinding concrete, natural stone and universal construction materials
- + Ø 100 – 180 mm
- + Single row, double row, Continuous, FAST CUT and L-segment versions
- + PCD cup wheels for removing coatings and adhesives



HGE125

Wall grinder
 Ø 125 mm
 1.5 kW
 Variable speed

Hand & Ring Sawing



★★★
PREMIUM



HBE400

Hand saw
Up to Ø 405 mm / Cutting depth up to 150 mm
3.2 kW
Flush cutting function

★★★ PREMIUM ★★ STANDARD



HAND SAW BLADES

- + Ø 350 – 416 mm
- + Special blades for pre-cutting
- + PREMIUM versions with TGD® Technology
- + FAST CUT | SILENT versions

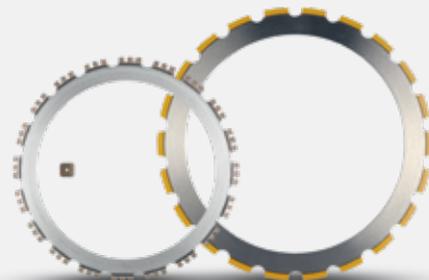
★★★
PREMIUM



HRE410

Ring saw
Up to Ø 405 mm / Cutting depth up to 300 mm
6.5 kW
Modular use with WSE1621 Wall Sawing System

★★★
PREMIUM



RING SAW BLADES

- + For Tyrolit machines and machines of other manufacturers
- + Ø 306 – 425 mm
- + TGD® versions available

Table Sawing

★★
STANDARD

TTE250

Tile saw
Up to Ø 250 mm
1.1 kW
Compact Design

★★★
PREMIUM

TRE250

Tile saw
Up to Ø 250 mm
1.3 kW
Cutting length 1,050 mm

★★★
PREMIUM

TILE SAW BLADES

- + Different versions for cutting tiles and porcelain stoneware
- + Ø 180 – 350 mm



★★
STANDARD



CSE350D

Masonry saw
Up to Ø 350 mm
2.2 kW
Integrated dust extraction

★★★
PREMIUM



TBE400

Masonry saw
Up to Ø 400 mm
2.2 kW
Swivelling saw head

★★★
PREMIUM



TME700

Masonry saw
Up to Ø 700 mm
5.5 kW
Mitre stop

★★★
PREMIUM



TABLE SAW BLADES

- + For universal construction materials, hard stone and marble
- + Ø 250 – 1 000 mm
- + SILENT version

★★★
PREMIUM



TME1000

Masonry saw
Up to Ø 1 000 mm
7.5 kW
Mitre stop



★★
STANDARD



TBS510

Band saw
Cutting height up to 510 mm
1.5 kW
2 band versions



HM-SAW BAND

3 teeth/inch
Also in FAST CUT

Wall Sawing



Wall sawing with the WSE1621

★★★ PREMIUM 



WSE811 MKII
 Wall saw
 Up to Ø 825 mm
 11 kW
 MoveSmart & P2® Technology
 Electric

★★★ PREMIUM 



WSE1621
 Wall saw
 Up to Ø 1 600 mm
 20 kW
 MoveSmart & P2® Technology
 Electric



DZ-S2
 Wall saw
 Up to Ø 1 200 mm
 Ideal for 20 kW power pack
 Hydraulic



FZ-4S
 Wall saw
 Up to Ø 2 200 mm
 Ideal for 40 kW power pack
 Hydraulic

★★★ PREMIUM 



WSE2226QC
 Wall saw
 Up to Ø 2 200 mm
 26 kW
 P2® Technology
 Electric





★★★
PREMIUM

★★
STANDARD





WALL SAW BLADES

- + For effortless cutting of reinforced and non-reinforced concrete
- + Ø 450 – 2 200 mm
- + TGD® Technology up to Ø of 1 600 mm (PREMIUM) and 1 200 mm (STANDARD)
- + Drive holes for all standard machines on the market
- + SILENT | FAST CUT | ULTRA FAST CUT | LONG LIFE versions

★★★
PREMIUM





DEEP CUT WALL SAW BLADES

- + Ø 450 – 2 200 mm
- + For cutting depths of up to 1 000 mm
- + For motors with 17 kW (electric) / 20 kW (hydraulic)
- + Optimised segment thickness for easy cutting and the ideal amount of cooling water



WALL SAWING ACCESSORIES

- + Rails
- + Rail trestles
- + Blade covers

Wire Sawing



How to correctly install the WCU17 wire saw

★★★
PREMIUM

SB-E | SB
Wire saw
Gross wire length 15.5 m
Electric and hydraulic
SB: ATEX certified

★★★
PREMIUM

WCU17
Wire saw
Gross wire length 17 m
Electric and hydraulic

★★★
PREMIUM

WCE18
Wire saw
Gross wire length 19 m
Electric

★★★
PREMIUM

WCE30
Wire saw
Gross wire length 31.5 m
Electric



★★★
PREMIUM

CCE/H25
Circular wire saw
Ø 500 – 2500 mm
Electric and hydraulic

★★★ PREMIUM **NEW**



DM-CF DIAMOND SAW WIRE
 Electroplated | Concrete
 Reinforced connection of the beads and rubber
 New pearl design
 Ø 10.8 mm | 46 beads/m

★★★ PREMIUM **NEW**



DWB-C DIAMOND SAW WIRE
 Sintered | Concrete
 Universal use
 Outstanding stock removal rate
 Ø 10.5 mm | 40 beads/m

★★★ PREMIUM ★★ STANDARD ★ BASIC



DWM-C DIAMOND SAW WIRE
 Electroplated | Concrete
 New version with reinforced connection of the beads and rubber
 Ø 8.5 – 10 mm | 40 – 46 beads/m

★★★ PREMIUM



DWM-S/SL DIAMOND SAW WIRE
 Electroplated | Steel
 Also available as loops with yellow rubber
 Ø 10.2 mm | 46 beads/m

★★★ PREMIUM



DWH-S ATEX DIAMOND SAW WIRE
 Electroplated | Steel
 ATEX-certified for maximum safety
 Ø 11 mm | 46 beads/m



WIRE SAW ACCESSORIES

- + Hand press and press inlays
- + Cardanic and repair connectors

Floor Sawing



★★★
PREMIUM



FSG513

Floor saw
Up to Ø 500 mm
8.2 kW
Petrol

★★
STANDARD



FSG620

Floor saw
Up to Ø 600 mm
15 kW
Petrol

★★★
PREMIUM

NEW



FSE808

Floor saw
Up to Ø 800 mm
7.5 kW
Electric

★★★
PREMIUM



FSE1022

Floor saw
Up to Ø 1000 mm
22 kW
Electric

★★
STANDARD



FSE1240

Floor saw
Up to Ø 1 200 mm
30 kW
Electric

★★★
PREMIUM



FSD1274E5 3-SPEED

Floor saw
Up to Ø 1 200 mm
55 kW
Diesel Euro V

★★★
PREMIUM



FLOOR SAW BLADES

- + Special versions for asphalt, cured concrete and green concrete
- + Ø 300 – 1 600 mm
- + Laser-welded up to Ø 1 600 mm
- + Floor saw blades for cured concrete in TGD® Technology



**CHAMFER
CUTTER 45°**

For green concrete
Ø 280 mm, two-part
For various widths of joints

Power Packs, Slurry Collectors, Presses & Crushers

★★★ PREMIUM ★★ STANDARD



POWER PACKS

- + 25 kW & 40 kW
- + With 2 or 4 stages
- + Some versions can be operated via radio remote control



★★★
PREMIUM

SLURRY COLLECTORS

- + For capacities of 2.4 l, 6.4 l and 30 l
- + Recycling of 400 – 2 000l/hr.
- + Solutions for mobile, stationary or industrial use

★★★
PREMIUM

PRESSES & CRUSHERS

- + Presses with pressing force of 108/260 t
- + Drives with up to 750 and 2 000 bar
- + Crushers for wall thicknesses of 120 – 300 mm

Floor Grinding & Floor Prep

Optimally synchronised machines and tools achieve perfect results and open up a wide range of possibilities for floor grinding and floor prep.

In addition to specially developed floor grinders and corresponding tools, the Tyrolit floor grinding range also includes various machines and tools for removing all types of surfaces and coatings, chemicals, vacuum cleaners and polishing tools.



Discover the complete
assortment for
floor grinding & floor prep

Grooving & Grinding

MACHINES

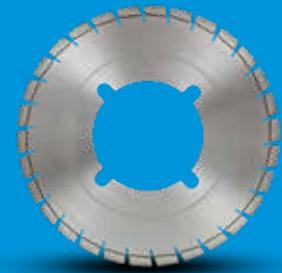
Machines in various power classes are available for the machining of concrete surfaces on airport roads and runways.



Bump Grinder PC4504CE

TOOLS

Excellent results can be achieved in combination with tools that are optimally matched to the application. Depending on the requirements and machine, up to 250 diamond saw blades can be mounted on one shaft.

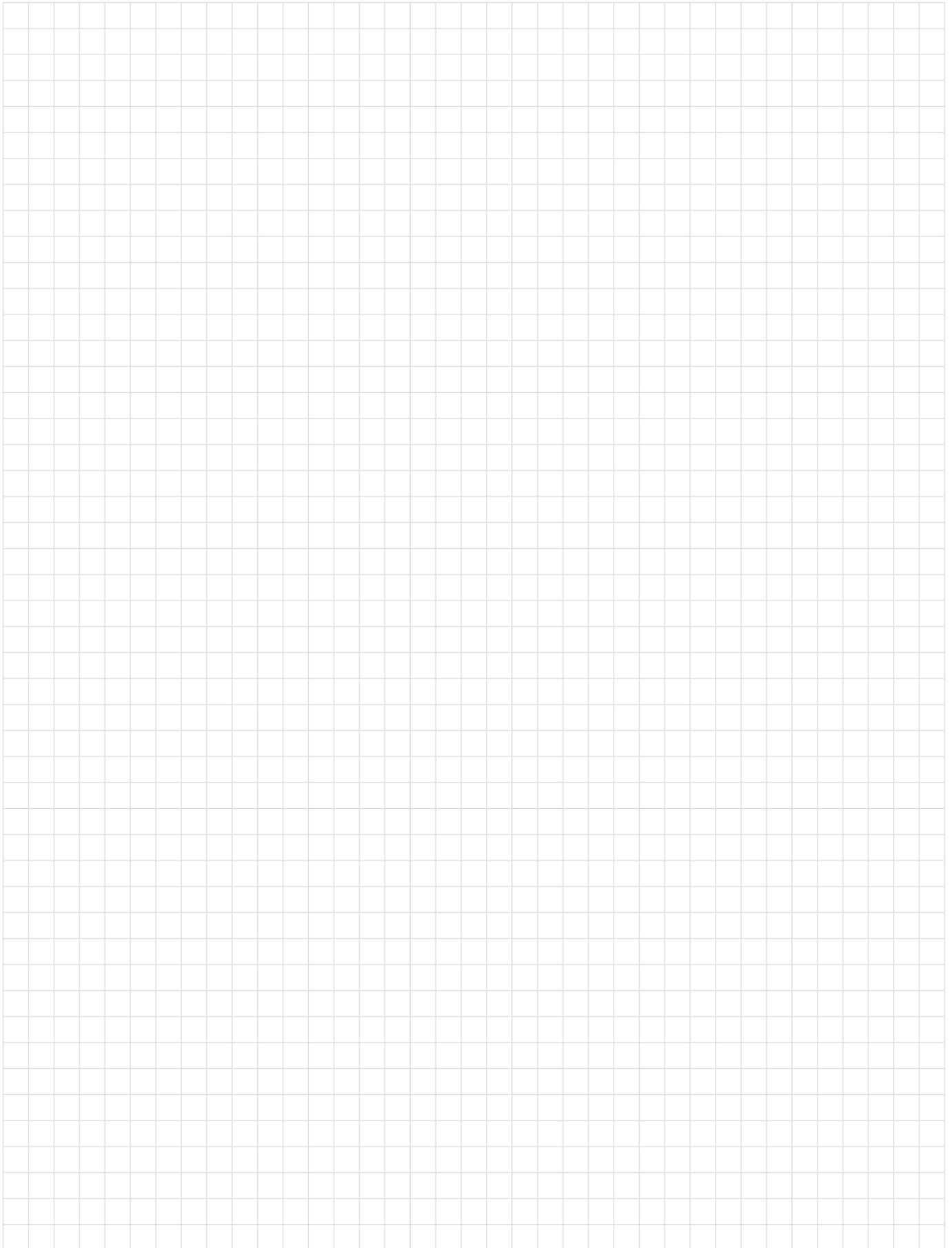


BGX-C3 Diamond Saw Blade
TGD® Technology

Brick Grinding

BRICK GRINDING WHEELS

- + Ø 500 – 1 000 mm for various machines and ring types
- + In TGD® Technology
- + Pre-grinded segments
- + LONG LIFE versions for refractory bricks





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Our **worldwide subsidiary companies** can be found
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