



YOUR PARTNER IN THE AGGLOMERATED STONE INDUSTRY

Tools and technical solutions

Premium grinding tools since 1919
www.tyrolit.com

TYROLIT

TYROLIT Group

A global company

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

Day in, day out, the experts at TYROLIT work on delivering tailor-made solutions for customers around the world, helping to make their businesses successful. Around 80,000 available products set the standards in a wide variety of industries.



TYROLIT company headquarters in Schwaz, Austria

TYROLIT business units



Stone-Ceramics-Glass

Our tailored diamond tools and grinding solutions in the Stone – Ceramics – Glass business unit impress through their exceptional performance and quality.



Metal / Precision

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



Trade

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



Construction

In the construction division, TYROLIT is the leading system supplier for drilling systems, wall- and wire saws, floor saws and surface treatment.

Competence & experience

Professional partner on equal terms

In all business development stages, TYROLIT always places the customer at the centre of its activities. An experienced team of application engineers is available for our customers throughout the world and works to produce the most economically efficient solutions.

The name of TYROLIT stands for innovative products and tool quality of the highest possible level. Our R&D department is constantly working on new and innovative products, aiming to make our customers' future processes even more efficient for the infinite range of materials that need to be processed in all types of agglomerated stone applications.

Your partner in agglomerated stone

TYROLIT provides the complete range of technically outstanding diamond tools for engineered stone. Years of experience combined with continuous innovation, top quality standards and individual application advice has enabled TYROLIT to establish itself as the leading partner in the engineered stone industry worldwide.

Surface calibration



Surface grinding and polishing



Diamond tools for surface calibration

With its over 30 years of experience TYROLIT is the market leader in surface calibration of engineered stone. Nowadays, customers are focused on process efficiency like never before. Calibrating and polishing processes in particular create enormous challenges in terms of quality of tools used. Thus the calibrating tool set-up must be perfectly tailored to the individual customer requirements in terms of productivity, removal capacity and line speed for a range of different material compositions.

Our team of expert technicians are constantly working on bond development, diamond quality and different tool geometries in order to satisfy specific customers' requirements and continuously improve our assortment.



Calibrating rollers on rotating heads¹



Entering calibration

Specifically designed for positions 1 and 2 of the first calibrating machine. It allows a lower positioning of the head compared to standard rollers due to its excellent cutting capacity. In case of thickness variations, production speed is not affected by machine stop or belt slow down.



High Removal Calibration

A 8-disc roller, specifically designed for high stock removal when a consistent reduction of slab thickness is required.



Calibration

This 11-disc roller, available in different specifications, ensures the main part of the calibrating process. High calibrating speed, noticeable energy, cost saving, very long lifetime.



Pre-finishing

This roller can be used before the finishing roller to improve the surface quality and roughness of slab after calibration. It also improves the life of the finishing roller.



Finishing hexagonal

The hexagonal design of the diamond layer grants the best finish of the slab before polishing. Various grits are available to meet customers' needs in terms of surface quality of the slab at the end of calibrating process.



Finishing inclined segments

The inclined segments of the diamond layer grant a perfect finish of the slab before polishing. Various grits are available to meet customers' needs in terms of surface quality of the slab at the end of calibrating process.

¹ Tools specifically designed for: BRETON, SIMEC, MBD, KEDA, JING YOW, VEEGO.

Diamond oscillating segments for surface polishing

In 1988 TYROLIT caused a revolution in the polishing of granite by inventing a new generation of metal bond diamond fickers. Nearly 30 years later, we are still the leader in this technology, both for natural and for engineered stone.

Our focus is the efficiency of the whole machine. TYROLIT application engineers support customers for the best set-up of the machines by providing a perfect match between metal and resin tools. TYROLIT offers an extensive range of products for grinding, brushing, lapping and buffing to satisfy the latest requirements of designers and architects.



Oscillating segments

TYROLIT oscillating segments guarantee an excellent smoothing of granite and engineered stone. They grant a proper preparation of the surface to obtain homogeneous and high gloss slabs.

The high speed and long life of TYROLIT oscillating segments ensure the best productivity and performance. Easy and consistent cutting on all grits. TYROLIT is the only company able to provide metal bonded fickerts with fine grits, that allow to replace the high consumption rough grits in resin or in conventional abrasives.



Segmented fickert

Metal oscillating segmented fickerts for the back side of the slab after calibration. M9 or M13 grits available.



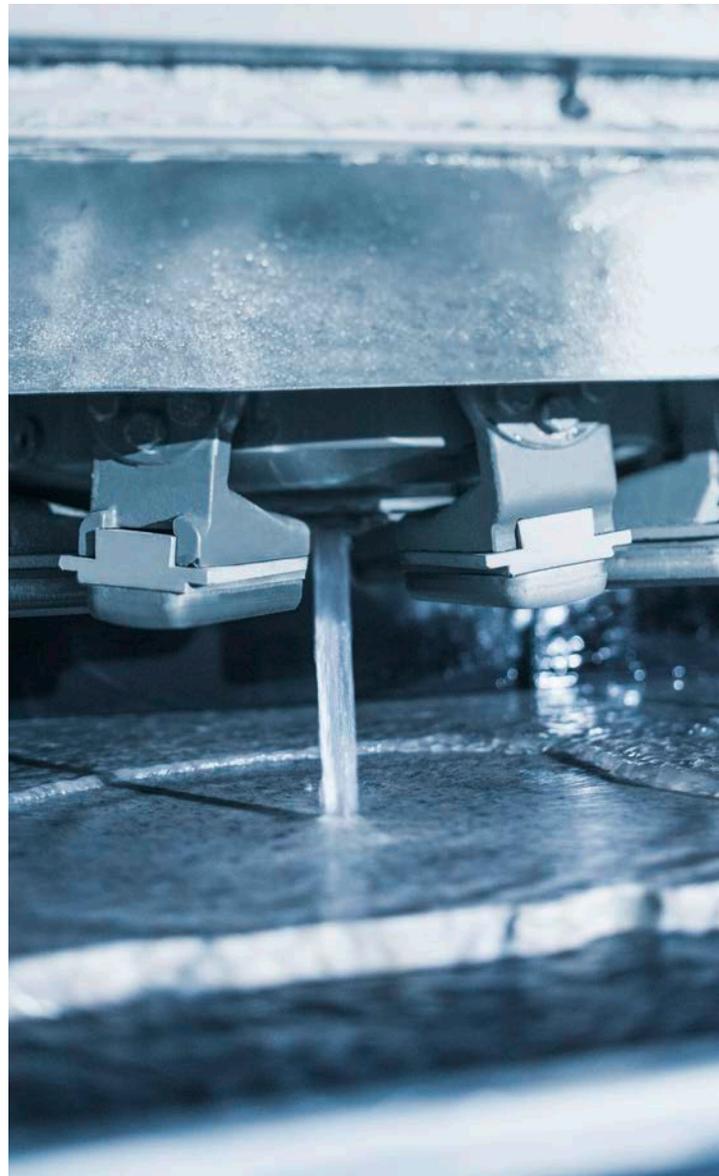
Full body fickert

Metal oscillating continuous fickerts with unique design to achieve the best slab preparation for polishing.



Resin fickert

Resin bond diamond fickerts to be used after metal bond fickerts for high gloss finishing. Grits available from 80 to 1200 and finer.



Diamond tools for side calibration, squaring and chamfering

Specific tools designed to ensure an optimal finish on the ground edges of engineered stone.

The extensive range of metal and resin cup wheels for side calibrating, squaring and chamfering is the professional solution for every calibrating line and squaring machine. Different geometries are available to satisfy the customers' removal requirements.



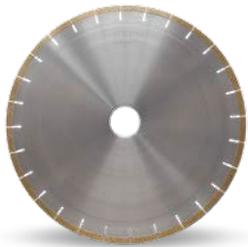
Calibrating, squaring and chamfering wheels



Slab Fabrication

Tyrolit provides a complete range of fabrication tools. Different sintered bonds and design for various types of granite, marble, engineered stone and technical ceramics guarantee the best performance satisfying the various customers' needs.

TYROLIT is continuously developing new technological solutions for natural and engineered stones. Precision and excellent quality of cutting, drilling and edging are guaranteed for all slab thicknesses .



Bridge Saw Blades

Diameters from 350 to 500 mm (14-20 inches) for cutting slabs to size. TYROLIT blades guarantee extremely high cutting accuracy, both for straight and 45° inclined cutting.



Finger bits

TYROLIT has extensive experience on agglomerated materials and provide an unmatched quality of cutting and a long lifetime.



Flush fitting, stubbing and drainboard tools

A wide range of tools for grooving, including different flush fitting routers and calibrating router bits for processing the countertops.



Core drills

TYROLIT provides the best solution for drilling granting perfect edges already on first holes for all thicknesses.

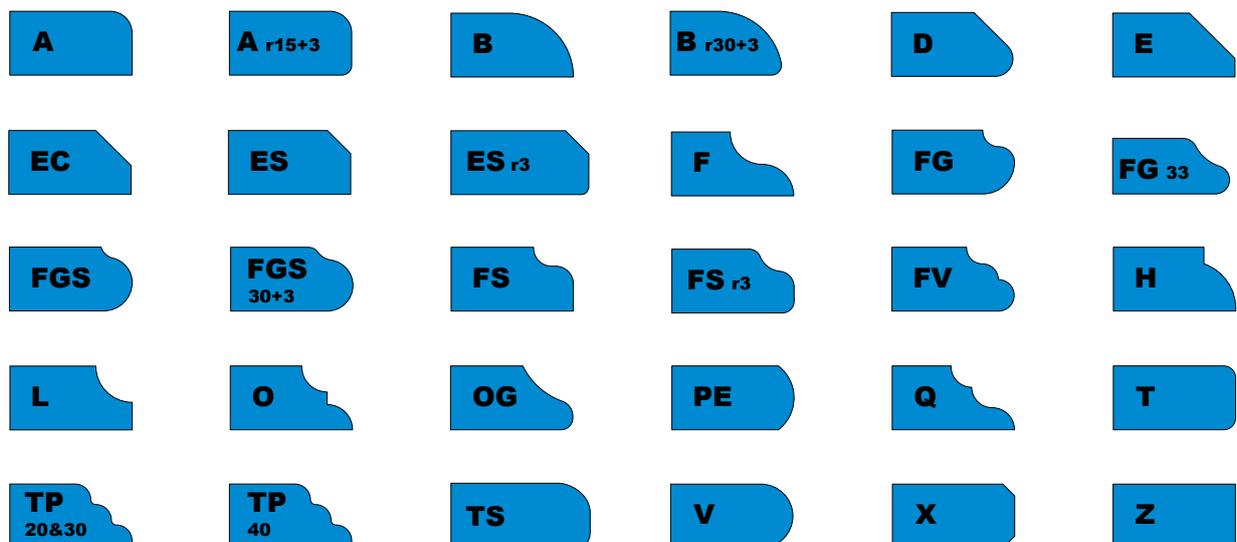
CNC profiling tools

TYROLIT CNC profiling tools offer outstanding finishing qualities for any granite or engineered stone. Easy set-up is guaranteed, thanks to an individual measurement card supplied with each wheel.

The specifically developed bonds allow high-feed-speeds (5m / 200 inch per minute) but minimum noise and spindle absorption. An extensive standard range of profiles and diameters is available as well as a complete custom-profile service. TYROLIT also offers a full factory re-profiling service to optimize tool life.



Standard profile list





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