



MIRA ULTRA

Vitrified bonded gear grinding wheels for continuous generating gear grinding

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TYROLIT has developed the MIRA Ultra product line specifically for the continuous generating grinding of gears. All specifications are produced without the addition of sintered aluminium oxide and combine high performance data with optimum economic efficiency. The new type of grinding wheel structure was specially designed for operating speeds of up to 100 m/s, and allows reliable operation on modern high-speed machines.

Application
Continuous generating gear grinding



Photo: SAMP S.p.A.

+ Increased operating speed

The newly developed grinding wheel design with its use of a multibody technology makes possible operating speeds of up to 100 m/s.

+ Maximum process stability

The homogeneous grinding wheel design and familiar TYROLIT quality standards guarantee constantly high gear quality over the entire batch.

+ Rapid availability

Selected MIRA Ultra gear grinding wheels are kept in stock and then finished individually in line with the customer's requirements.



+ Optimised economic efficiency: All products are produced without the addition of sintered aluminium oxide. High dressing cycles, reduced shift travel and greater stock removal rates, in conjunction with lower purchase costs, mean that the machining costs per component are minimal.

+ Cool grinding: A highly porous bond system developed specifically for MIRA Ultra ensures maximum safety against burning.

Available dimensions and pre-profiling



MIRA Ultra gear grinding wheels can be supplied unprofiled or pre-profiled for module 1 – 12 to a high-quality level. Pre-profiling for high-quality and special gears is tailored specifically to the customer's request. All dimensions are aligned with the machines of the manufacturers, Reishauer, Liebherr, Kapp, Gleason, SAMP, Burri and Präwema. Individual adaptations are possible if requested by the customer.