



MIRA

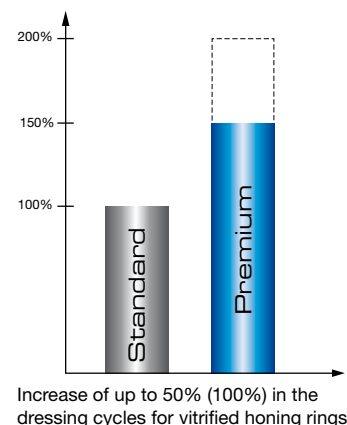
SYSTEM SOLUTIONS FOR GEAR HONING

- Increases your productivity and reduces your machining costs
- Fine adjustment and optimized tool design
- Innovative solutions from professional application engineers
- Tool designs for all machine types



MIRA HONING RINGS for gear flank honing

TYROLIT offers the entire system of MIRA honing ring, MIRA diamond dressing wheel and MIRA diamond dressing ring. Over 15 years of experience in gear honing back up our status as market leader with top quality. The MIRA product range includes externally and internally profiled honing rings for structure honing and power honing. Results from our in-house test center and R & D department are continuously transferred to the production. Our application engineering team for gear tools provides on-site support and will help you to develop the best technical solutions for your applications. The comprehensive TYROLIT stock program of semi-finished parts ensures the shortest possible delivery times.



The MIRA honing rings range comprises:

Epoxy resin honing rings

A wide range of specification for various applications.

Compound honing rings

The outstanding stock-removal properties of a vitrified honing ring combined with the properties of epoxy resin bonding. We offer high-performance specifications.

Vitrified honing rings

The high-performance vitrified bonds achieve the top stock removal rates of up to 0.1 mm per flank.

Epoxy resin honing ring specifications for Fässler, Gleason-Hurth, Seiwa, EMAG, Kapp and Kanzaki honing machines

Specification	Product	Grit	Bond
REX-210	Standard	Special fused aluminum oxide	Compound
REX-220	Premium	Special fused aluminum oxide	Compound
REX-018	Standard	Sintered aluminum oxide mixture	Epoxy resin

Vitrified honing ring specifications for Präwema SyncroFine power honing machines

Specification	Product	Grit	Bond
REX-464	Standard	Special fused aluminum oxide	Vitrified
REX-710	Premium	Special fused aluminum oxide	Vitrified
REX-820	Standard	Sintered aluminum oxide mixture	Vitrified
REX-850	Premium	Sintered aluminum oxide mixture	Vitrified
REX-880	Premium	Sintered aluminum oxide mixture	Vitrified

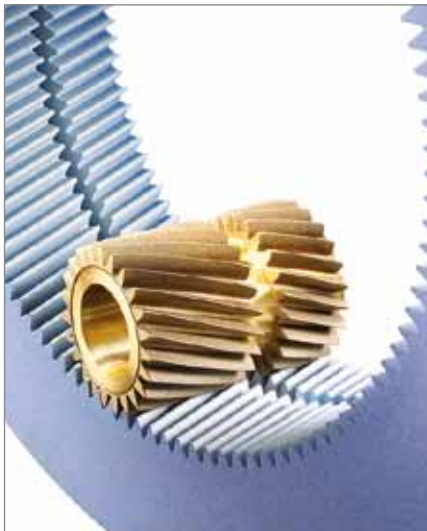
Vitrified honing ring specifications for Fässler, Gleason-Hurth, Seiwa, EMAG, Kapp and Kanzaki power honing machines

Specification	Product	Grit	Bond
REX-510	Standard	Special fused aluminum oxide	Vitrified
REX-520	Premium	Special fused aluminum oxide	Vitrified
REX-530	Standard	Sintered aluminum oxide mixture	Vitrified
REX-540	Premium	Sintered aluminum oxide mixture	Vitrified



MIRA DIAMOND DRESSING GEARS

With the MIRA diamond dressing wheel, TYROLIT offers a tool that can be used for dressing of internally and externally geared honing rings, for dressing globoid wheels on Reishauer RZP and RZF machines and for dressing profiled grinding wheels in continuous generating grinding. Having a system solution from a single source ensures the fine adjustment and harmonization of the tools as well as optimized tool and profile design. Single-part production is guaranteed for these products. Complex gear corrections and twists are realized on topological Maag gear grinding machines. MIRA diamond dressing wheels are produced using either positive electroplating or double-reverse plating in our state-of-the-art production facilities.



MIRA diamond dressing wheel manufactured using positive electroplating for Präwema SyncroFine power honing machines



MIRA diamond dressing wheel with shaft manufactured using positive electroplating



MIRA diamond dressing wheel manufactured using double-reverse plating



High-precision grinding of MIRA diamond dressing wheels on Maag gear grinding machines

Your benefits

- Independent and specialized production facilities for the finished product
- System solutions from a single source
- System supplier
- Integrated tool identification system / Wheel Memory
- Profile design for the most complex gear corrections
- Optimized gear design and technical support
- Realization of topological corrections
- Customized production
- Market leader with top quality
- Professional and expert technical support team

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Our **worldwide subsidiary companies** can be found on
our website at www.tyrolit.com

