

MGMN-DR

ZANHO Cutting Tools



MGMN-DR

Grooving Inserts

Feature

ZANHO MGMN-DR series: High-precision **double-headed parting and grooving inserts** featuring a unique **spherical dimple chipbreaker** geometry. Specifically engineered for external

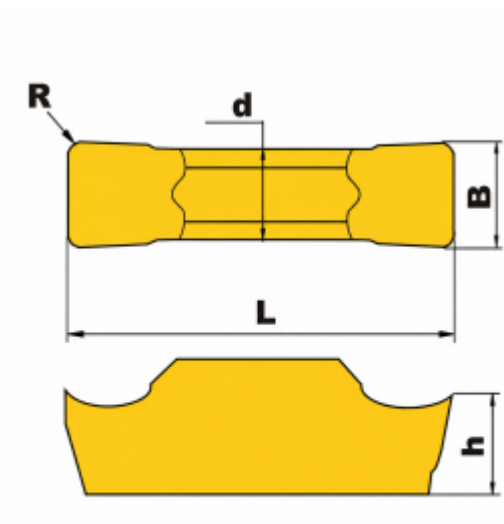
CNC applications requiring both radial grooving and **transverse lateral feed machining**. The specialized dimple structure ensures mandatory chip curling and reliable evacuation, while the double-edged design maximizes tool life. Perfect for light to medium-duty operations where superior surface finish and precise chip control are required.

Descriptions

Technical Advantages

- **Spherical Dimple Chipbreaker:** Features a unique spherical dimple geometry at both ends, specifically designed to constrain chip formation and control curling during high-feed transverse (lateral) machining.
- **Lateral Feed Optimized:** The specialized edge and rake geometry allow for efficient multi-directional machining, supporting both radial grooving and horizontal turning (??).
- **Double-Edged Value:** The symmetrical double-headed design doubles the cutting life per insert—simply flip to the fresh edge once the first side reaches its wear limit.
- **Honed Edge Durability:** Precision edge passivation improves the toughness of the cutting tip, reducing the risk of chipping under medium-duty external loads.
- **Stable Press-Plate Clamping:** Standard press-plate tool holder compatibility ensures high dimensional repeatability and rigid positioning in CNC production.

MGMN-DR Specification Table (mm)



Designation	L (Length)	B (Width)	d	h	R (Radius)
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MGMN150-DR	16	1.5	1.2	3.5	0.15
MGMN200-DR	16	2.0	1.6	3.5	0.2
MGMN250-DR	18.5	2.5	2.0	3.85	0.2
MGMN300-DR	21	3.0	2.35	4.8	0.4
MGMN400-DR	21	4.0	3.3	4.8	0.4
MGMN500-DR	26	5.0	4.1	5.8	0.8
MGMN600-DR	26	6.0	5.0	5.8	0.8

Advanced Transverse & Grooving Solutions

ZANHO MGMN-DR series delivers exceptional chip control in multi-directional turning. Contact us for bulk B2B inquiry.