MGGN-V

ZANHO Cutting Tools



Feature

ZANHO **MGGN series**: High-efficiency **double-headed parting and grooving inserts** for CNC external machining. Featuring two effective cutting edges to maximize tool utilization and a

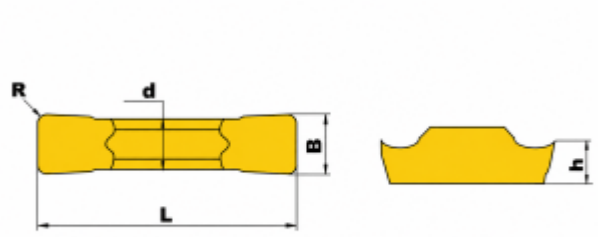
specialized rake face with **protruding guide ribs** for mandatory chip curling. Engineered for light to medium-duty loads, these inserts offer exceptional stability and vibration reduction in external grooving and parting-off applications.

Descriptions

Technical Advantages

- **Double-Edged Efficiency:** The double-headed design allows the insert to be flipped and reused if one edge is worn, effectively doubling tool life and reducing costs.
- **Protruding Guide Ribs:** Specialized chipbreaker geometry with raised ribs forces chips to curl and break, preventing chip wrapping around the workpiece.
- **Honed Cutting Edges:** Precision edge passivation treatment enhances chipping resistance and ensures stable performance under varying loads.
- **Enhanced Stability:** Optimized rake surface reduces cutting resistance and suppresses vibration, delivering high surface quality in external grooving.
- **Press-Plate Clamping:** Compatible with standard press-plate tool holders, ensuring secure positioning and high dimensional repeatability.

MGGN Specification Table (mm)



Designation	L (Length)	B (Width)	d	h	R (Radius)
MGGN150-V	16	1.5	1.2	3.5	0.15
MGGN200-V	16	2.0	1.6	3.5	0.2
MGGN250-V	18.5	2.5	2.0	3.85	0.2
MGGN300-V	21	3.0	2.35	4.8	0.4
MGGN400-V	21	4.0	3.3	4.8	0.4

Designation	L (Length)	B (Width)	d	h	R (Radius)
MGGN500-V	26	5.0	4.1	5.8	0.8
MGGN600-V	26	6.0	5.0	5.8	0.8

High-Precision External Parting & Grooving Solutions

ZANHO MGGN series delivers unbeatable value with double cutting edges. Contact us for bulk B2B orders.