MGGN-L/R15

ZANHO Cutting Tools



Feature

ZANHO **MGGN-L/R15 series**: High-precision **double-headed parting and grooving inserts** featuring an aggressive **15° large side relief angle**. Specifically engineered for extreme conditions

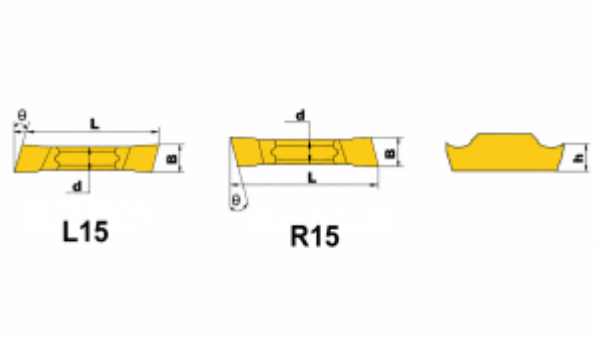
where side wall interference is a critical risk, the R15 (Right) and L15 (Left) models provide maximum clearance during deep external grooving. With two effective cutting edges and an optimized chipbreaker, these inserts offer unparalleled tool utilization and process reliability for advanced CNC machining.

Descriptions

Technical Advantages

- **15° Large Side Relief:** Engineered with a significant 15° clearance angle to eliminate friction and interference with the workpiece side wall, even in the most challenging deep grooving applications.
- **Double-Headed Efficiency:** The symmetrical double-edged structure maximizes value—simply rotate the insert to utilize the second fresh cutting edge, doubling the service life per insert.
- **Optimized Chipbreaker:** Specialized front rake geometry with guide ribs forces chips into tight curls, effectively preventing chip wrapping and bird-nesting in narrow channels.
- **Honed Edge Stability:** Precision edge passivation improves the toughness of the cutting tip, significantly reducing the risk of micro-chipping during intermittent or high-load external cuts.
- **Rigid Clamping:** Designed for standard press-plate tool holders, providing high dimensional repeatability and exceptional stability for high-speed CNC parting-off.

MGGN-L/R15 Detailed Specifications (mm)



Designation (Right)	Designation (Left)	L (Length)	B (Width)	d
MGGN150-R15	MGGN150-L15	16	1.5	1.2
MGGN200-R15	MGGN200-L15	16	2.0	1.6

Designation (Right)	Designation (Left)	L (Length)	B (Width)	d
MGGN250-R15	**MGGN250-L15**	18.5	2.5	2.0
MGGN300-R15	**MGGN300-L15**	21	3.0	2.35
MGGN400-R15	**MGGN400-L15**	21	4.0	3.3

Advanced 15° Clearance Solutions for High-Precision Grooving

ZANHO MGGN-L/R15 series provides the ultimate solution for side wall interference. Contact us for bulk B2B inquiry.