

MGMN-G

ZANHO Cutting Tools



MGMN-G

—— carbide Inserts ——

Feature

ZANHO **MGMN-G series**: Double-sided **flat head inserts** specifically engineered for high-reliability parting-off and shallow external grooving. The specialized **G-type chipbreaker** geometry promotes

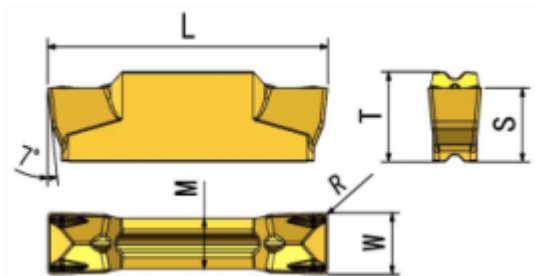
effective chip shrinking and curling, minimizing friction and vibration at the final parting stage. Features precision-honed edges for **semi-finishing and medium load** CNC turning.

Descriptions

Technical Advantages

- **G-Type Chipbreaker:** Specialized geometry for parting-off operations, forcing chips to curl and shrink inward, preventing side-wall scratching and ensuring smooth evacuation.
- **Parting Stability:** Optimized rake design reduces cutting resistance and suppresses vibration at the end of the parting cut, improving end-face flatness.
- **Double-Ended Economy:** Symmetrical cutting edges allow both ends of the insert to be utilized, maximizing tool efficiency and reducing operating costs.
- **Reinforced Edge Treatment:** Precision-honed and passivated cutting edges provide excellent resistance to chipping and impact during semi-finishing cycles.
- **Dimensional Precision:** Strict manufacturing standards achieve $W\pm0.05\text{mm}$ tolerance, ensuring consistent slot width and high repeatability.

Technical Specifications (mm)



Model Type	Width ($W\pm0.05$)	M	Length (L)	Radius (R)	t	S
MGMN 150-G	1.5	1.2	16.0	0.2	4.0	3.5
MGMN 200-G	2.0	1.6	16.0	0.2	4.0	3.5
MGMN 250-G	2.5	2.0	18.5	0.2	4.47	3.85
MGMN 300-G	3.0	2.35	21.0	0.3	5.65	4.8
MGMN 400-G	4.0	3.3	21.0	0.3	5.85	4.8

Reliable Parting-Off Solutions for CNC Lathes

ZANHO MGMN-G series maximizes productivity in high-volume parting and grooving. Contact us for bulk B2B inquiry and tool holder compatibility.