TNMU-MJ

ZANHO Cutting Tools



Feature

ZANHO **TNMU-MJ** is a high-economy **double-sided 6-edge** triangular insert featuring an **integrated wiper** for premium surface quality. Its large positive rake and curved edge geometry

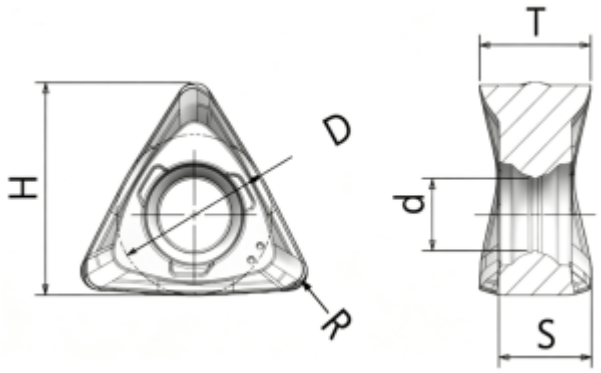
effectively segment chips while significantly reducing cutting forces and vibrations. Perfect for high-density cutters, it delivers stable roughing performance and maximum tool utilization in Steel and Cast Iron machining.

Descriptions

Key Technical Advantages

- **6-Edge Economic Efficiency:** Unique double-sided triangular structure provides six precision-ground cutting corners per insert, drastically reducing tool cost-per-edge for industrial users.
- **Low Cutting Resistance:** Engineered with a large positive rake and curved cutting edge to facilitate easier material entry and reduced spindle load, ensuring stable performance even on machines with standard rigidity.
- **Integrated Wiper Technology:** Includes a specialized wiper geometry that delivers exceptional surface integrity and floor flatness, significantly reducing Ra values in face milling.
- **Superior Chip Control:** Advanced MJ chipbreaker provides stable chip curling and fragmentation, facilitating smooth evacuation and preventing heat buildup.
- **High Rigidity Body:** Thick insert body design supports aggressive metal removal rates (MRR) and provides the stability needed for super-dense tooth cutter designs.

Insert Dimensional Specifications (mm)



Model	H (Height)	D (Inscribed)	d (Hole Dia)	S (Thickness)	T (Total H)	R (Ra

TNMU 080304PER-MJ	7.52	5.7	2.85	3.39	4.13	0.4
TNMU 080308PER-MJ	7.21	5.7	2.85	3.30	3.97	0.8
TNMU 130708PER-MJ	13.25	10.0	4.5	5.93	7.19	0.8
TNMU 130716PER-MJ	12.83	10.0	4.5	5.94	7.18	1.6
TNMU 130720PER-MJ	12.50	10.0	4.5	5.86	7.02	2.0

Recommended Cutting Conditions

Series Model	Depth of Cut (mm)	Feed Rate (mm/t)	Screw Type
TNMU 0803 Series	1.0 - 5.0 mm	0.15 - 0.08 mm/t	M2.5
TNMU 1307 Series	2.0 - 10.0 mm	0.3 - 0.08 mm/t	M4

Relative Tool Holders are available on request !

Ultimate Economy in Every pass

ZANHO TNMU series inserts deliver stable roughing with superior finishing results. Contact us for bulk B2B pricing and global distribution opportunities.