OFMT05T3TN-ML

ZANHO Cutting Tools



Feature

ZANHO **OFMT 05T3TN-ML** is a high-efficiency **octagonal 8-edge** milling insert optimized for 45° face milling. Featuring a light-load **ML chipbreaker** and large positive rake geometry, it drastically

reduces cutting resistance and vibration. Perfect for continuous **semi-roughing to semi-finishing** in Stainless Steel and High-Temperature Alloys, it delivers a stable 3.5mm max depth of cut with maximum tool economy.

Descriptions

Key Technical Advantages

- **Octagonal 8-Edge Economy:** Features a single-sided octagonal structure providing eight high-precision cutting edges, delivering exceptional cost-per-edge value for large-scale face milling.
- **ML Light-Load Chipbreaker:** Specifically engineered for gummy materials like Stainless Steel and Heat-Resistant Alloys, ensuring clean shearing and minimal edge build-up.
- **Vibration Suppression:** Large positive rake and relief angles lower the spindle load and stabilize the cutting process, ideal for machines with limited rigidity or high-feed setups.
- **Optimized Edge Security:** Lightly reinforced honed edges ensure reliability during continuous machining while maintaining the sharpness required for semi-finishing.
- **Efficient Metal Removal:** Supports a maximum axial depth of cut (ap) of 3.5mm, suitable for both face milling and light-duty square shoulder applications.

Insert Dimensional Specifications (mm)

Model	d (I.C Diameter)	ap (Max Depth)	t (Thickness)	R (Radius)	Edges
OFMT 05T3TN-ML	12.7	3.5	3.76	0.5	8

Universal Solutions for Challenging Materials

ZANHO OFMT-ML series provides the stability and cost-savings needed for industrial CNC machining. Contact us for bulk B2B pricing and material grade support.