CNMG-YM

ZANHO Cutting Tools



Feature

ZANHO CNMG-YM series is a specialized **80° rhombic negative turning insert** engineered for **Stainless Steel Semi-Roughing and Semi-Finishing**. Featuring a unique **Double Rake Angle**

design, it balances high cutting sharpness with extreme edge strength. The **YM chipbreaker** incorporates a raised structure and large lateral grooves to ensure smooth chip evacuation and prevent chip accumulation, making it ideal for high-productivity machining of tough stainless steel components.

Descriptions

Key Performance & Features

- **Stainless Steel Specialist:** Specifically optimized for the unique challenges of stainless steel machining, ensuring reliable semi-roughing performance.
- **Double Rake Angle Design:** Combines a sharp cutting action to reduce heat with a reinforced edge to withstand the work-hardening tendencies of stainless materials.
- **YM Chipbreaker Geometry:** The raised structure ensures stable chip breaking across varying depths of cut (0.3-4.0mm) and feeds (0.2-0.5 mm/rev).
- **Large Lateral Grooves:** Provides ample space for chip curling and rapid evacuation, effectively preventing chip nesting and surface damage.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-YM	0.2 - 0.5 mm/rev	0.3 - 4.0 mm
CNMG120408-YM	0.2 - 0.5 mm/rev	0.3 - 4.0 mm
CNMG120412-YM	0.2 - 0.5 mm/rev	0.3 - 4.0 mm
CNMG160608-YM	0.2-0.5mm/rev	0.5-6.5mm
CNMG160612-YM	0.2-0.5mm/rev	0.5-6.5mm

Need Optimal Grade Matching for Stainless Steel?

ZANHO offers specialized PVD grades for aerospace and medical-grade stainless steel. Contact us for technical support and customized coating solutions.