CNMG-MS

ZANHO Cutting Tools



Feature

ZANHO CNMG-MS series is a high-performance **80° rhombic turning insert** specifically developed for **Stainless Steel and Heat-Resistant Alloys**. Utilizing a **Double-Sided 8-edge**

design and a specialized MS chipbreaker with high rake angles, it effectively solves work-hardening and built-up edge (BUE) issues. Ideal for achieving superior surface quality and extended tool life in continuous semi-finishing of tough materials.

Descriptions

Key Performance & Features

- **Tough Material Specialist:** Specifically engineered for Stainless Steel, Alloy Steel, and Heat-Resistant Alloys, handling light-to-medium load continuous cuts.
- **High Sharpness & Strength:** The high positive rake angle reduces cutting force to suppress work hardening, while micro-negative land reinforcement ensures edge reliability.
- **Two-Stage Curved Chipbreaker:** Optimized for stable chip breaking across a wide range of parameters, effectively preventing long, stringy chips from nesting.
- **Anti-BUE & Thermal Control:** Minimized chip contact area reduces frictional heat, preventing Built-Up Edge (BUE) and crater wear for a better surface finish.
- **Economical 8-Edge Design:** Double-sided geometry provides 8 effective cutting corners, maximizing tool efficiency and reducing cost-per-part.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-MS	0.15 - 0.55 mm/r	0.5 - 5.0 mm
CNMG120408-MS	0.15 - 0.55 mm/r	0.5 - 5.0 mm
CNMG120412-MS	0.15 - 0.55 mm/r	0.5 - 5.0 mm

Facing Severe Work Hardening?

ZANHO MS series is optimized for M and S group materials. We offer specialized PVD coatings for high-performance stainless steel turning. Inquire now for technical support.