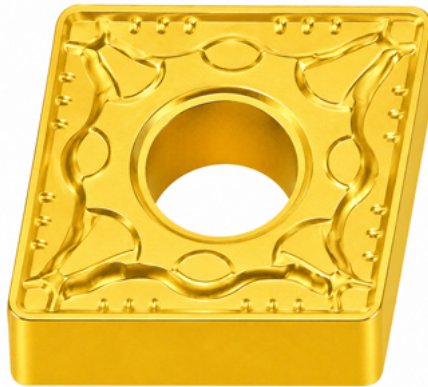


CNMG-PM

ZANHO Cutting Tools



PM

—— Chip-breaker ——

Feature

ZANHO CNMG-PM series is a versatile **80° rhombic negative turning insert** specifically designed for **Semi-Finishing** operations in alloy steel and carbon steel. Featuring the advanced

PM chipbreaker with a peripheral chamfer and dual-tip protrusions, it delivers exceptional chip control even under unstable feed and depth conditions. Ideal for achieving high surface quality and extended tool life in high-speed CNC turning.

Descriptions

Key Performance & Features

- **Semi-Finishing Specialist:** Optimized for alloy steel, carbon steel, and general steel turning, providing a perfect balance between speed and finish.
- **Stable Chip Evacuation:** Protrusions at both ends of the tool tip combined with a large peripheral chamfer ensure smooth chip flow even in profiling operations.
- **Enhanced Edge Integrity:** Double-sided peripheral edges balance cutting forces and prevent secondary edge chipping during high-depth cuts (ap up to 1.2mm).
- **Reduced Cutting Resistance:** The specialized chamfer design minimizes the contact area between the chip and tool, reducing heat buildup and cutting resistance.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-PM	0.07 - 0.50 mm/r	0.25 - 1.2 mm
CNMG120408-PM	0.07 - 0.50 mm/r	0.25 - 1.2 mm
CNMG120412-PM	0.07 - 0.50 mm/r	0.25 - 1.2 mm

Need Reliable Semi-Finishing Tools?

ZANHO offers premium CVD/PVD coated grades for optimized steel turning. Contact us for bulk wholesale pricing and technical parameter support.