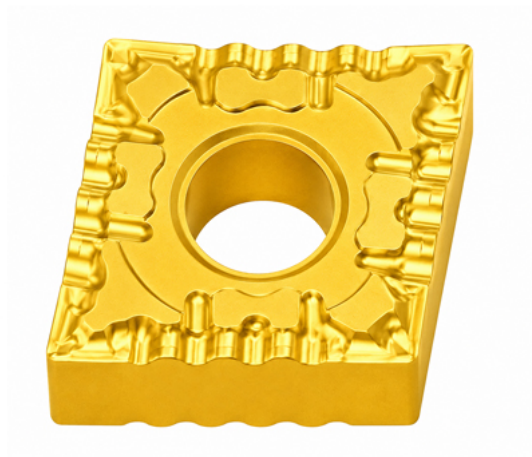


CNMG-PF

ZANHO Cutting Tools



PF

—— Chip-breaker ——

Feature

ZANHO CNMG-PF series is a high-precision **80° rhombic negative turning insert** specifically designed for **Finishing carbon steel and general steel**. Featuring the specialized **PF**

chipbreaker with dual-tip protrusions and an aggressive rake angle, it minimizes cutting force and ensures smooth chip evacuation. It is the ideal solution for achieving a superior mirror-like finish and extended tool life in high-speed CNC precision turning.

Descriptions

Key Performance & Features

- **80° Rhombic Precision:** Optimized for versatile finishing operations, providing excellent balance between edge strength and reach in CNC turning.
- **Stable Chip Handling:** The unique protrusions at both ends of the tool tip ensure consistent chip breaking across a wide feed range (0.07-0.50 mm/r).
- **Large Rake Angle Design:** Minimizes cutting resistance and heat generation, which is critical for maintaining dimensional accuracy during fine finishing passes.
- **Superior Surface Integrity:** Specifically engineered to suppress vibration and cutting instability, ensuring a high-quality surface finish on carbon and alloy steels.

Technical Specifications

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

Optimize Your High-Speed Finishing

ZANHO technical team recommends Vc 120-350 m/min for optimal performance. Contact us today for grade customization and B2B wholesale pricing.