CNMG-TF2

ZANHO Cutting Tools



TF2

Chip-breaker

Feature

ZANHO CNMG-TF2 series is a high-performance **80° rhombic negative turning insert** engineered for **Semi-Finishing and Finishing** of steel, stainless steel, and high-temperature

alloys. Utilizing a unique **Variable Rake Geometry**, it balances a sharp positive cutting zone with a reinforced negative land for maximum edge strength. The specialized **TF2 curved chipbreaker** ensures stable chip evacuation and superior crater wear resistance, significantly extending tool life in demanding CNC applications.

Descriptions

Key Performance & Features

- **Multi-Material Specialist:** Specifically developed for semi-finishing to finishing operations in Steel, Stainless Steel, and High-Temperature Alloys.
- **Variable Rake Geometry:** Features a positive rake angle in the cutting zone to reduce forces and vibration, while the negative land reinforcement prevents edge fracture.
- **Optimized Chip Curling:** The TF2 special curved surface optimizes the chip path, ensuring stable chip breaking and preventing long stringy chips even at low feeds.
- **Crater Wear Resistance:** Profile optimization reduces the rate of crater wear on the rake face, maintaining edge sharpness and extending overall insert life.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-TF2	0.15 - 0.35 mm/r	1.0 - 3.5 mm
CNMG120408-TF2	0.15 - 0.35 mm/r	1.0 - 3.5 mm

Facing Difficult-to-Machine Alloys?

ZANHO TF2 inserts are optimized for high heat resistance. Contact us for bulk orders and expert recommendations on grade and coating combinations.