

VNMG-ZMS

Product Images



ZMS

—— Chip-breaker ——

Summary

ZANHO VNMG1604-ZMS is a high-versatility **35° rhombic negative turning insert** engineered for **Medium Machining** across multiple material groups. It is exceptionally well-suited for most **Steel**,

Stainless Steel, Cast Iron, Non-ferrous alloys, and High-temperature alloys. Additionally, it delivers outstanding performance in **hardened materials** and **short-chip materials**, providing a truly universal solution for professional CNC operations.

Content

Key Performance & Features

- **Universal Application:** Expertly designed for a vast range of materials, including Steel, Stainless Steel, Cast Iron, Non-ferrous, and High-temperature alloys.
- **ZMS Chipbreaker Geometry:** Optimized for stable chip control and low cutting resistance, even when processing hardened or short-chip materials.
- **Rhombic Stability:** The 35-degree VNMG negative design provides excellent clearance for complex profiling, multi-directional turning, and reaching narrow workpiece sections.
- **Durable & Precise:** Precision-ground edges enhance tool life and surface finish, maintaining tight tolerances across diverse machining environments.

Technical Specifications

Model	Radius (re)	Feed (f)	Cut Depth (ap)
VNMG160402-ZMS	0.2 mm	0.08 - 0.3 mm/r	0.2 - 2.5 mm
VNMG160404-ZMS	0.4 mm	0.08 - 0.3 mm/r	0.2 - 2.5 mm
VNMG160408-ZMS	0.8 mm	0.08 - 0.3 mm/r	0.2 - 2.5 mm

Universal Solution for Complex Machining

Ideal for multi-material workshops. Our sales team can recommend the optimal grade and coating based on your primary workpiece material.

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