CNMG120408-CQ

ZANHO Cutting Tools



Feature

ZANHO CNMG-CQ series is a precision **80° rhombic negative turning insert** specifically designed for **Continuous Finishing and Semi-Finishing of Steel**. Featuring a unique **low-**

resistance CQ chipbreaker with local positive rake angles, it significantly reduces cutting temperature and crater wear. Ideal for copying, boring, and up-facing operations, it delivers exceptional surface quality and stable chip control even at small depths of cut.

Descriptions

Key Performance & Features

- **Low-Resistance Geometry:** Local positive rake angles inside the chipbreaker reduce cutting resistance and suppress tool tip temperature rise, minimizing crater wear.
- **Wide-Range Chip Control:** Optimized for small-to-medium depths of cut, ensuring stable chip breaking in copying, boring, and fine turning to prevent entanglement.
- **Balanced Edge Sharpness:** Micro-negative land reinforcement maintains a sharp cutting edge while preventing micro-chipping, even at low feed rates (0.08 mm/r).
- **Versatile Non-Handed Design:** Universal double-sided CQ structure provides 4 effective cutting edges, supporting both ID boring and OD turning without hand distinction.
- **Optimized for Continuous Cuts:** Specifically engineered for stable, continuous machining environments to maximize surface integrity and tool life.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-CQ	0.08 - 0.25 mm/r	0.3 - 2.0 mm
CNMG120408-CQ	0.08 - 0.25 mm/r	0.3 - 2.0 mm
CNMG120412-CQ	0.08 - 0.25 mm/r	0.3 - 2.0 mm

Upgrading Your Finishing Processes?

ZANHO CQ chipbreaker is the perfect choice for high-precision components. Contact us for bulk orders and professional grade/coating matching for your CNC setup.