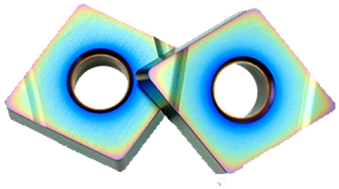
CNMG-GH

ZANHO Cutting Tools

GH

Chip-breaker



Feature

ZANHO CNMG-GH series is a high-performance **80° rhombic turning insert** specifically engineered for **difficult-to-machine materials**. Optimized for **HRC40-65 Hardened Steel**, High-Temperature Alloys, and Bearing Steel, the specialized GH chipbreaker provides exceptional edge stability at micro-feed rates (0.02-0.2 mm/r). It is the ideal solution for precision hard part turning where thermal resistance and superior surface integrity are critical.

Descriptions

Key Performance & Features

- **Hardened Steel Specialist:** Specifically designed for machining materials with hardness ranging from HRC40 to HRC65, including quenched and tempered steels.

- **Precision Hard Part Turning:** Optimized for finishing and semi-finishing of bearing steel and high-temperature alloys with extreme dimensional accuracy.
- **Stable GH Chipbreaker:** Engineered to provide reliable chip control and prevent edge micro-chipping even at extremely light feed rates (as low as 0.02 mm/r).
- **Superior Heat Resistance:** Advanced substrate and coating technology ensure extended tool life under the high thermal loads typical of hard metal cutting.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
CNMG120404-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm
CNMG120408-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm
CNMG120412-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm
CNMG160404-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm
CNMG160408-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm
CNMG160412-GH	0.02 - 0.20 mm/r	0.03 - 0.8 mm

Solving Difficult Hard-Cutting Tasks?

ZANHO offers premium CBN and specialized carbide grades for hardened steel. Contact our experts to match the right coating for your HRC requirement.