

880-C-GM

Product Images



880-C-GM

— Drilling Inserts —

Summary

ZANHO 880-C-GM series is a high-precision **central indexable drill insert** specifically designed for the core position of multi-edge drills. Featuring the specialized **GM light-cutting chipbreaker**, it

minimizes radial forces to inhibit drill deflection and ensure exceptional hole straightness. Optimized for low-to-medium feeds, it provides stable chip control at the central zone's low cutting speeds across a **broad range of materials**, including steel, stainless steel, and heat-resistant alloys.

Content

Key Performance & Features

- **Hole Precision Specialist:** Small corner radius (RE) design significantly reduces radial cutting forces, inhibiting drill deflection and ensuring superior hole linearity and positional accuracy.
- **GM Light-Cutting Geometry:** Features a short and shallow chipbreaker specifically optimized for the drill core, where cutting speeds are extremely low, ensuring stable chip curling and fragmentation.
- **Balanced Edge Strength:** Perfectly bridges the gap between low cutting resistance and edge toughness, making it ideal for setups with average stability or moderate machine rigidity.
- **Multi-Material Versatility:** A universal central insert solution compatible with Carbon Steel, Stainless Steel, Cast Iron, Heat-Resistant Alloys, and even Hardened Steel.
- **Optimized for Long Overhangs:** The light cutting action is the preferred choice for long-reach drilling or when machine power is limited, preventing vibration and chatter.

Dimensional Specifications

Model	IC (mm)	S (mm)	RE (mm)
880-020204H-C-GM	4.9	2.4	0.4
880-030305H-C-GM	5.7	2.6	0.5
880-040305H-C-GM	7.0	3.1	0.5
880-050305H-C-GM	8.4	3.6	0.5
880-060406H-C-GM	10.65	4.2	0.6

Model	IC (mm)	S (mm)	RE (mm)
880-070406H-C-GM	12.2	4.6	0.6
880-080508H-C-GM	14.8	5.1	0.8
880-090608H-C-GM	18.6	5.5	0.8

Using the Right Combination?

ZANHO central inserts (C) must be paired with appropriate peripheral inserts for optimal drilling stability. Contact us for complete system configurations and B2B volume discounts.