

880-C-LM

ZANHO Cutting Tools



880-C-LM

—— Drilling Inserts ——

Feature

ZANHO 880-C-LM series is a high-precision **central indexable drill insert** specifically engineered for **low carbon steel (ISO-P)** and long-chip materials. Featuring the specialized **LM light-cutting**

chipbreaker, it delivers exceptional chip breaking performance at the drill's center where linear speeds are lowest. Designed to reduce radial forces and inhibit drill deflection, it ensures stable centering and superior hole alignment. Best paired with P-LM peripheral inserts for optimal CNC drilling productivity.

Descriptions

Key Performance & Features

- **Low Carbon Steel Specialist:** Specifically developed for ISO-P materials known for problematic long, stringy chips, ensuring reliable fragmentation at the drill core.
- **LM Chipbreaker Geometry:** Optimized for low-to-medium feed rates, providing superior chip control even at the extremely low cutting speeds found at the center position.
- **Enhanced Centering Stability:** Light-cutting geometry reduces radial cutting forces, preventing drill bit "walk" or deflection, which is critical for hole positional accuracy.
- **Prevents Chip Clogging:** Reliable chip curling avoids the risk of chips entangling the drill head or scratching the finished hole surface.
- **Precision Edge Integrity:** Medium edge strength optimized for stable drilling conditions, maintaining sharp cutting action throughout long production cycles.

Dimensional Specifications

Model	IC (mm)	S (mm)	RE (mm)
880-010203H-C-LM	4.3	2.0	0.3
880-020204H-C-LM	4.9	2.4	0.4
880-030305H-C-LM	5.7	2.6	0.5
880-040305H-C-LM	7.0	3.1	0.5
880-050305H-C-LM	8.4	3.6	0.5
880-060406H-C-LM	10.65	4.2	0.6
880-070406H-C-LM	12.2	4.6	0.6

Model	IC (mm)	S (mm)	RE (mm)
880-080508H-C-LM	14.8	5.1	0.8
880-090608H-C-LM	18.6	5.5	0.8

Drilling Gummy Low-Carbon Steel?

ZANHO LM series is the perfect solution for chip control. Contact us to verify pairing with P-LM peripheral inserts and for customized B2B wholesale pricing.