880-P-LM

ZANHO Cutting Tools



Feature

ZANHO 880-P-LM series is a high-performance **peripheral indexable drill insert** specifically designed for **low carbon steel** and other long-chip alloys. Featuring a positive rake **LM light-**

cutting chipbreaker, it effectively fragments problematic stringy chips to prevent tool entanglement and hole wall scratching. Optimized for stability and surface quality, it ensures balanced cutting forces when paired with 880-C-LM center inserts, making it the ideal choice for high-precision CNC drilling in ISO-P materials.

Descriptions

Key Performance & Features

- **Long-Chip Specialist:** Specifically engineered for low carbon steel and alloys that produce continuous ribbon-like chips, ensuring reliable fragmentation on the peripheral edge.
- **Light-Cutting Geometry:** The positive rake design reduces the peripheral cutting load, making it suitable for setups with average rigidity while effectively suppressing machining vibration.
- **Hole Wall Protection:** Superior chip curling prevents long chips from entangling the tool body or scoring the finished hole surface, maintaining high aesthetic and dimensional quality.
- **Balanced Cutting Force:** Designed to work in perfect synchronization with 880-C-LM center inserts to achieve uniform inner/outer chip control and prevent drill deflection.
- **Wiper Edge Integration:** Incorporates wiper technology (W-series) to enhance the final hole finish and diameter consistency at low-to-medium feed rates.

Dimensional Specifications

Model	IC (mm)	S (mm)	RE (mm)
880-0102W04H-P-LM	4.5	2.0	0.4
880-0202W05H-P-LM	5.1	2.4	0.5
880-0303W05H-P-LM	6.0	2.6	0.5
880-0403W07H-P-LM	7.2	3.1	0.7
880-0503W08H-P-LM	8.7	3.6	0.8
880-0604W08H-P-LM	10.8	4.2	0.8

Model	IC (mm)	S (mm)	RE (mm)
880-0906W10H-P-LM	18.8	5.5	1.0

Facing Severe Chip Entanglement?

ZANHO 880-P-LM series is specifically tuned for ISO-P materials. Contact us for bulk inquiry and expert guidance on pairing with our 880 center insert range.