

# 880-P-GR

## ZANHO Cutting Tools



**880-P-GR**

—— Drilling Inserts ——

## Feature

ZANHO 880-P-GR series is a heavy-duty **peripheral indexable drill insert** engineered for high-efficiency **roughing** of alloy steel and cast iron. Featuring the **GR reinforced chipbreaker** and

integrated Wiper geometry, it is designed to handle extreme cutting loads at medium to high feed rates. With superior resistance to plastic deformation and wear, it ensures stable chip morphology and smooth evacuation. Best paired with 880-C-GR center inserts for maximum productivity in rigid CNC drilling environments.

## Descriptions

### Key Performance & Features

- **Heavy-Duty Roughing:** Specifically designed for stable conditions at medium to high feed rates, significantly increasing metal removal rates in rough drilling.
- **Reinforced Peripheral Edge:** The GR geometry strengthens the outer cutting edge, allowing it to withstand the higher cutting loads associated with aggressive feed steps.
- **Optimized for Hard Materials:** Superior performance when machining alloy steel and cast iron, with high resistance to abrasive wear and thermal deformation.
- **Integrated Wiper Technology:** Features a larger corner radius and Wiper edge (W-series) to maintain consistent hole diameter and surface finish despite high feed rates.
- **System Synergy:** Works in tandem with 880-C-GR center inserts to balance inner and outer cutting forces, preventing drill deflection during deep hole operations.

### Dimensional Specifications

| Order Number      | Specification     | D    | L1  | D1  | L |
|-------------------|-------------------|------|-----|-----|---|
| 880-0303W06H-P-GR | IC6.0*S2.6*RE0.6  | 6.0  | 2.6 | 0.6 | / |
| 880-0403W07H-P-GR | IC7.2*S3.1*RE0.7  | 7.2  | 3.1 | 0.7 | / |
| 880-0503W08H-P-GR | IC8.7*S3.6*RE0.8  | 8.7  | 3.6 | 0.8 | / |
| 880-0604W10H-P-GR | IC10.8*S4.2*RE1.0 | 10.8 | 4.2 | 1.0 | / |

| Order Number      | Specification     | D    | L1  | D1  | L |
|-------------------|-------------------|------|-----|-----|---|
| 880-0704W12H-P-GR | IC12.4*S4.6*RE1.2 | 12.4 | 4.6 | 1.2 | / |
| 880-0805W12H-P-GR | IC15.0*S5.1*RE1.2 | 15.0 | 5.1 | 1.2 | / |
| 880-0906W12H-P-GR | IC18.8*S5.5*RE1.2 | 18.8 | 5.5 | 1.2 | / |

Maximize Your Drilling Efficiency

ZANHO GR series is the ultimate choice for aggressive roughing in alloy steel. Contact us for bulk wholesale pricing and technical support for high-power CNC drilling setups.