

WCMT-ZK

ZANHO Cutting Tools



WCMT-ZK

—— Drilling Inserts ——

Feature

ZANHO WCMT-ZK series is a high-precision **light-cutting indexable drill insert** specifically designed for **aluminum alloy, cast iron, and low-carbon steel**. Featuring the specialized **ZK**

chipbreaker with multi-flow grooves and dot-like protrusions, it significantly reduces frictional heat and ensures smooth chip evacuation. Ideal for applications requiring superior hole surface quality and stable performance under low-to-medium cutting loads.

Descriptions

Key Performance & Features

- **Light Cutting Specialist:** Engineered for low-to-medium load drilling, providing an exceptionally smooth cutting action in non-ferrous and soft materials.
- **Low-Friction ZK Chipbreaker:** Multiple flow-guide grooves combined with dot protrusions reduce the contact area between chips and the rake face, suppressing heat buildup.
- **Superior Hole Quality:** Optimized geometry guides chips to curl and fracture efficiently, ensuring excellent hole dimensional accuracy and surface smoothness.
- **Aluminum & Cast Iron Optimization:** Specifically tuned for sticky materials like aluminum alloys and short-chip materials like cast iron.
- **Micro-Honed Edges:** Precision micro-honing on the cutting edge ensures sharpness while maintaining enough stability for continuous light-duty CNC production.

Dimensional Specifications

Model	D (mm)	d1 (mm)	S (mm)	R (mm)
WCMT 030208-ZK	5.56	2.55	2.38	0.8
WCMT 040208-ZK	6.35	2.85	2.38	0.8
WCMT 050308-ZK	7.94	3.2	3.18	0.8
WCMT 06T308-ZK	9.52	3.7	3.97	0.8
WCMT 080412-ZK	12.70	4.3	4.76	1.2

Drilling Aluminum or Soft Steel?

ZK chipbreaker prevents built-up edges in sticky materials. Contact ZANHO for grade recommendations and bulk B2B pricing for your CNC workshop.