

WCMX

Product Images



WCMX
—— Drilling Inserts ——

Summary

ZANHO WCMX series is a high-performance **trigon indexable drill insert** designed for universal **U-drilling operations**. Featuring a specialized **ring-shaped flow guide structure**, it ensures

stable chip curling and evacuation in internal coolant drills. Engineered with reinforced negative lands, it provides exceptional impact resistance for drilling through rough surfaces and oxide scales. Ideal for carbon steel, alloy steel, and cast iron, these inserts deliver a perfect balance between edge strength and cost-efficiency.

Content

Key Performance & Features

- **Trigon Geometry Specialist:** Designed for high-efficiency indexable drills, utilizing a unique triangle shape with 2 effective cutting edges for balanced drilling forces.
- **Advanced Chip Control:** The ring-shaped flow guide cavity optimizes chip fragmentation and guides them out of the hole, perfectly suited for U-drills with internal coolant systems.
- **Reinforced Edge Integrity:** Negative land treatment on the cutting edge significantly enhances resistance to micro-chipping and handles the impact of forging crusts or oxide layers.
- **Inner/Outer Pairing Logic:** Engineered for precision paired assembly; ensure correct inner and outer edge insert placement to achieve optimal hole diameter and surface finish.
- **Broad Material Versatility:** A robust general-purpose solution for Carbon Steel, Alloy Steel, Cast Iron, and general Stainless Steel, reducing workshop inventory requirements.

Dimensional Specifications

Model	D (mm)	d1 (mm)	S (mm)	R (mm)
WCMX 020204	4.60	1.90	1.95	0.4
WCMX 030204/08	5.56	2.55	2.38	0.4 / 0.8
WCMX 040204/08	6.35	2.85	2.38	0.4 / 0.8
WCMX 050308	7.94	3.2	3.18	0.8
WCMX 06T308	9.52	3.7	3.97	0.8
WCMX 080412	12.70	4.3	4.76	1.2

Pairing Guidance Needed?

WCMX inserts must be assembled in pairs (one for inner edge, one for outer). Contact our technical team for tool body compatibility and optimal speed/feed parameters for your material.