3PKT-M

ZANHO Cutting Tools



Feature

ZANHO 3PKT-M series is a high-performance **3-edge positive milling insert** designed for **90° shoulder milling**. Featuring a large positive rake angle and a helical edge structure, it ensures

light, smooth cutting and excellent chip evacuation across steel, cast iron, and stainless steel. It is the ideal choice for face milling and step milling, balancing cost-efficiency with superior surface quality.

Descriptions

Key Features & Advantages

- **90° Shoulder Precision:** Specifically developed for medium-load 90° shoulder milling, ensuring high accuracy in step and face milling applications.
- **Helical Edge Structure:** The helical cutting edge balances edge strength with cutting smoothness, suitable for both interrupted and continuous milling.
- **Optimized Chipbreaker:** Engineered for stable chip evacuation across various iron-based materials, including steel, cast iron, and stainless steel.
- **Economic 3-Edge Design:** The flat-mounted 3-edge design significantly improves processing economy without compromising the quality of right-angle shoulder formation.
- **Light Cutting Action:** Large positive rake angle reduces cutting resistance and heat generation, prolonging tool life and protecting the CNC spindle.

Technical Specifications (mm)

Model	I.C	S (Thickness)	APMAX	Bs (Wiper)	R (Radius)
3PKT 100404R-M	6.9	4.0	7.0	1.2	0.4
3PKT 100408R-M	6.9	4.0	7.0	0.9	0.8
3PKT 150508R-M	10.7	5.0	11.0	1.6	0.8

Universal Application Range

Ideal for P (Steel), K (Cast Iron), and M (Stainless Steel) materials. Contact us for the recommended cutting speed and grade pairing for your specific project.