PDMT090530-SM

ZANHO Cutting Tools



Feature

ZANHO **PDMT090530-SM** is a high-economy **5-edge pentagonal** insert for 45° face milling and profiling. Featuring **large positive rake geometry** and specialized **rounded cutting edges**, it

significantly reduces spindle load and vibration while maintaining edge toughness. Its wavy chipbreaker with flow ribs ensures precise chip control and stable evacuation at a **2.0mm max ap**.

Descriptions

Key Technical Advantages

- **5-Edge Economic Value:** Single-sided pentagonal design provides 5 effective cutting edges, drastically reducing tool cost per component.
- **High Positive Rake Geometry:** Large rake inclination reduces cutting resistance and power consumption, protecting the machine spindle and suppressing chatter.
- **Rounded Cutting Edges:** Specialized edge honing provides superior resistance to micro-chipping while maintaining high sharpness for clean shearing.
- **Advanced Chip Control:** Features a segmented wavy chipbreaker with dot-like flow ribs to accurately guide chip curling and prevent workpiece wrapping.
- **Balanced Rigid Body:** Optimized chip cavity depth ensures stable evacuation for a 2.0mm depth of cut without compromising insert structural strength.

Insert Dimensional Specifications (mm)

Model	Edge Length	Thickness (S)	Hole (d1)	Radius (R)	Max ap
PDMT090530-SM	9.0 mm	5.47 mm	5.5 mm	3.0 mm	2.0 mm

Maximize Economy with 5-Edge Face Milling

ZANHO PDMT series delivers industrial-grade precision with unmatched edge value. Contact us for bulk inquiry and technical support.