SDMT09T307-SM

ZANHO Cutting Tools



SDMT-SM

Milling Inserts

Interchangeable with pokolm

Feature

ZANHO **SDMT09T307-SM** is a precision **small-format high-feed** insert designed for small-diameter cutters. Optimized for **deep cavities** and low-rigidity machines, it redirects cutting forces

axially to suppress vibration. Featuring a **reinforced screw hole** and peripheral chamfer protection, it delivers stable 4-edge performance with a **0.75mm max ap** in diverse roughing conditions.

Descriptions

Key Technical Advantages

- **Axial Force Optimization:** Specifically designed to guide cutting forces toward the spindle, significantly reducing radial load and suppressing chatter in thin-walled or deep cavity parts.
- **Reinforced Screw Hole:** Features a specialized ring-shaped reinforcement collar to resist clamping stress and cutting impacts, effectively preventing hole-seat breakage.
- **3D High-Feed Geometry:** Advanced three-dimensional chipbreaker optimizes chip curling and reduces power consumption even on low-power CNC machines.
- **Edge Edge Protection:** Integrated peripheral chamfers protect the corner radii from micro-chipping, extending tool life in both dry and wet cutting.
- **4-Edge Economic Efficiency:** Single-sided square design provides four precision corners, maximizing metal removal rates at a highly competitive cost-per-edge.

Key Technical Specifications

Model	Corner Radius (R)	Max ap (Axial)	Insert Type
SDMT09T307-SM	0.7 mm	0.75 mm	Single-sided (4 Edges)

Master High-Feed Roughing in Small Cavities

ZANHO SDMT series delivers process security for the most challenging mold components. Contact us for bulk B2B pricing and material guide.