RPMT-TT

ZANHO Cutting Tools



RPMT-TT

Milling Inserts

Duracarb's M-C

Feature

ZANHO **RPMT-TT** series features active **chip-splitting geometry** that segments chips to drastically reduce cutting force and heat. Ideal for **profiling and cavity roughing**, it ensures

smooth evacuation and suppresses vibration, making it perfect for long-overhang setups and machines with limited power.

Descriptions

Key Technical Advantages

- **Active Chip Splitting:** Unique dimpled geometry along the edge splits wide chips into narrower segments, drastically reducing evacuation resistance and preventing clogging in deep cavities.
- **Ultra-Low Cutting Force:** Narrower chips result in less deformation resistance, lowering spindle load—ideal for machines with limited rigidity or tools with long overhangs.
- **Superior Thermal Management:** Segmented chips dissipate heat more effectively than continuous ones, significantly lowering the thermal load on the cutting edge and extending tool life.
- **Vibration Suppression:** By dividing the cutting load, this geometry stabilizes the machining process and reduces chatter during complex profiling and ramping operations.
- **Wide Feed Versatility:** The balanced medium rake angle handles a broad range of feed rates, providing reliability in both semi-finishing and roughing tasks.

Insert Dimensional Specifications (mm)

Model	D (Diameter)	S (Thickness)	d (Hole Dia)	R (Radius)	a° (Relief Angle)
RPMT 0802M-TT	8	2.38	/	4	/
RPMT 10T3MO-TT	10	3.97	4.3	5	11
RPMT 1204M-TT	12	3.97	/	5	/

Master Difficult Cavity Milling

ZANHO RPMT-C series is the ultimate choice for stable and low-resistance profiling. Contact us for bulk B2B pricing and grade selection guides.