RPMT-FM

ZANHO Cutting Tools



Feature

ZANHO **RPMT-FM series**: Single-sided **round positive** insert optimized for **profiling, light roughing, and semi-finishing**. Features a high positive rake geometry to minimize cutting forces

and an advanced curved flute for stable chip control. The micro-honed edge provides a perfect balance between sharpness and durability in steel and mold steel applications.

Descriptions

Technical Advantages

- **Profiling Precision:** Specifically engineered for 3D profiling and contoured surfaces, delivering excellent surface integrity in mold and die components.
- **FM Semi-Finish Geometry:** Optimized curved rake face resolves chip wrapping issues in steel machining, expanding the stable feed window for semi-finishing.
- **Low Cutting Resistance:** High positive rake design significantly reduces spindle load and thermal impact, ensuring stable machining in long-overhang setups.
- **Micro-Honed T-Land:** Precision edge treatment balances cutting sharpness with toughness, enabling reliable performance against light scale and interrupted cuts.
- **Multi-Edge Economy:** The round geometry allows for infinite indexing positions, maximizing the number of effective cutting edges per insert.

Technical Specifications (mm)

Model Type	I.C (Diameter)	Thickness (S)	Hole (d1)	Radius (Re)
RPMT1003MO-FM(R5)	10.00	3.18	4.40	5.00
RPMT1204MO-FM(R6)	12.00	4.76	5.20	6.00

Superior Surface Quality for 3D Profiling

ZANHO RPMT-FM series delivers precision and cost-efficiency for industrial mold making. Contact us for bulk B2B inquiry and wholesale distribution.