

RPMW08/10

ZANHO Cutting Tools



RPMW08/10

—— Milling Inserts ——

Feature

ZANHO **RPMW** series: 15° single-sided **round positive** insert specialized for **small-diameter profiling** and narrow mold cavities. Features a high positive rake to minimize cutting load and

optimized geometry to prevent chip wrapping and surface scratching. Ideal for **ERX-R4/R5** tool holders in light roughing and semi-finishing of steel and mold components.

Descriptions

Technical Advantages

- **Small-Radius Optimization:** Specifically developed for small-diameter profiling in narrow cavities and complex 3D surfaces where space is restricted.
- **15° Large Positive Rake:** High relief angle geometry significantly lowers cutting resistance, ensuring vibration-free machining on small CNC platforms.
- **Directional Chip Control:** Advanced rake cavity design constrains chip morphology, effectively preventing chip wrapping and scratching of finished surfaces in deep pockets.
- **Reinforced Edge Strength:** Precision micro-honing enhances edge toughness, allowing for a seamless transition between continuous contouring and light interrupted cuts.
- **Full-Circle Indexing:** The round design allows for multiple indexing positions along the circumference, providing exceptional tool life and economy.

Technical Specifications (mm)

Model Type	I.C (Diameter)	Thickness (S)	Hole (D1)	Radius (Re)	Relief Angle
RPMW0802MO-(R4)	8.00	2.38	3.40	4.00	15°
RPMW1003MO-(R5)	10.00	3.97	4.40	5.00	15°

Precision Solution for Small Contoured Parts

ZANHO RPMW series is optimized for **ERX-R4 and ERX-R5** tool holders. Contact us for bulk B2B inquiry and holder compatibility.