490R-MM

ZANHO Cutting Tools



490R-MM

Milling Inserts

Feature

ZANHO **490R-140408M-MM** is a high-precision **90° square shoulder** milling insert designed for versatile CNC operations. Featuring a sharp, positive rake geometry, it delivers **light-cutting**

action with reduced power consumption and vibration. The specialized **MM chipbreaker** provides stable performance in both step and face milling, while its integrated **1.7mm wiper edge** ensures an exceptional surface finish, making it a cost-effective alternative for standard CoroMill 490 systems.

Descriptions

Key Technical Advantages

- **True 90° Square Shoulders:** Engineered to produce exact 90-degree corners with minimal mismatch, ideal for high-precision step milling and pocketing.
- **Light Cutting Action:** The large positive rake angle and sharp cutting edge reduce axial and radial forces, allowing for stable machining even on low-power spindles.
- **Superior Surface Finish:** Includes a wide 1.7mm wiper flat (Bs) that acts as a smoothing tool, delivering high-quality surface results during face milling operations.
- **Stable MM Chipbreaker:** The universal MM geometry optimizes chip formation and evacuation, preventing chip re-cutting and enhancing tool life across varied milling conditions.
- **4 High-Precision Edges:** Provides four usable edges per insert, offering excellent economic value and reduced cost-per-component.

Dimensional Specifications (mm)

Model	L (Length)	I.C (mm)	S (Thickness)	R (Corner R)	d (Hole Dia)	Bs (Wiper)
490R-140408M-MM	13.8	13.8	4.25	0.8	4.15	1.7

Upgrade Your Shoulder Milling Quality

ZANHO 490R series is the perfect choice for high-precision square shoulder applications. Contact us for bulk B2B pricing and technical grade support.