490R-PL

ZANHO Cutting Tools



Feature

ZANHO **490R-140408M-PL** is a high-performance **90° square shoulder** milling insert specifically engineered for **steel roughing and medium machining**. The specialized **PL chipbreaker**

provides a reinforced cutting edge that excels under high feed rates and heavy depths of cut, resisting impact while maintaining stable chip evacuation. Equipped with a large **1.74mm wiper edge**, it delivers an exceptional surface finish even in continuous cutting conditions with light scale, ensuring high productivity and extended tool life.

Descriptions

Key Technical Advantages

- **Steel-Optimized PL Geometry:** Specifically developed for medium to heavy roughing of steel components, balancing edge strength with high metal removal rates.
- **Impact-Resistant Edge:** The reinforced PL chipbreaker is designed to handle high cutting depths and feed rates, providing superior resistance to thermal and mechanical shock.
- **1.74mm Wiper Performance:** Features an integrated precision wiper flat (Bs) that smoothens the workpiece surface, reducing the need for secondary finishing operations.
- **Smooth Chip Evacuation:** The enlarged chip gullet geometry prevents chip jamming during high-volume milling, ensuring process stability in continuous operations.
- **Precision 90° Verticality:** Designed for standard 90-degree cutters to achieve excellent squareness on steps and faces, maintaining high dimensional accuracy.

Dimensional Specifications (mm)

Model	L (Length)	I.C (mm)	S (Thickness)	R (Corner R)	d (Hole Dia)	Bs (Wiper)
490R-140408M-PL	13.8	13.8	4.2	0.8	4.15	1.74

Ready for Heavy Steel Milling?

ZANHO 490R-PL series is engineered for durability and speed in high-load applications. Contact us for wholesale pricing and material grade recommendations.