

SDMT120408-F57

ZANHO Cutting Tools



SDMT-F57

—— Milling Inserts ——

Interchangeable with Walter

Feature

ZANHO SDMT 120408-F57 is a precision **single-sided 4-edge** insert engineered for square shoulder milling. Featuring a large **positive rake geometry** and a **15° relief angle**, it significantly

reduces cutting resistance and machine load. It provides exceptional chip control and stability for diverse milling tasks including **face milling, ramping, and plunging** in steel and cast iron.

Descriptions

Key Technical Advantages

- **Large Positive Rake Geometry:** The F57 chipbreaker is designed with an aggressive positive rake to minimize cutting forces, protecting the machine spindle and ensuring light-cutting performance.
- **15° Relief Angle Stability:** Features a 15-degree relief angle that enhances tool body rigidity, allowing for stable processing even under moderate fluctuating cutting conditions.
- **Optimized Shoulder Accuracy:** Specifically tailored for square shoulder milling, ensuring reliable 90-degree step forming and superior vertical wall surface finish.
- **Advanced Chip Control:** The top-face cavity is optimized to promote controlled chip curling and smooth evacuation, effectively reducing friction-induced heat at the cutting edge.
- **Multi-Functional Capability:** A highly versatile insert supporting shoulder milling, face milling, ramping, and plunging operations for maximum workflow flexibility.

Insert Dimensional Specifications (mm)

Model	IC (Inscribed Circle)	S (Thickness)	Re (Radius)	Relief Angle	Tolerance	E
SDMT 120408-F57	12.7	4.76	0.8	15°	M-Class	4

Stability and Precision for Square Shoulder Milling

ZANHO SDMT-F57 series provides the ideal balance of light cutting and edge strength. Contact us for bulk B2B inquiry and technical machining support.