SOMT-LD

ZANHO Cutting Tools



Feature

ZANHO **SOMT140520ER-LD** is a precision high-feed milling insert specifically optimized for **Stainless Steel and High-Temperature Alloys**. Compatible with **MFH series cutters**, it features

a sharp, low-resistance **LD chipbreaker** designed to suppress vibration and significantly reduce cutting forces. Perfect for continuous and light-interrupted **face milling** roughing, its optimized chip control ensures stable evacuation in gummy materials, offering a cost-effective 4-edge solution for difficult-to-machine components.

Descriptions

Key Technical Advantages

- **Specialized for Gummy Materials:** Engineered specifically for high-feed roughing of Stainless Steel and HRSA (Heat Resistant Super Alloys) where chip control is critical.
- **Ultra-Sharp LD Chipbreaker:** Features a low-resistance cutting edge that drastically reduces spindle torque and axial forces, ideal for maintaining stability on machines with limited rigidity.
- **Vibration Suppression:** The precision-ground geometry is designed to prevent chatter and harmonic vibration during deep high-feed passes.
- **Superior Chip Fragmentation:** Optimized chip-breaking pockets ensure smooth evacuation even with sticky workpieces, preventing tool breakage and overheating.
- **Economic 4-Edge Design:** Provides four high-precision cutting edges per insert, delivering excellent cost-per-edge for volume manufacturing in the aerospace and medical sectors.

Dimensional Specifications (mm)

Model	I.C (mm)	S (Thickness)	RE (Radius)	D1 (Hole Dia)	Application
SOMT140520ER-LD	14.0	5.0	2.0	5.6	Stainless Steel / HRSA

Note: The LD geometry is specifically optimized for **Face Milling**. It is not recommended for helical interpolation or plunging operations.

Expert Tooling for Difficult Materials

ZANHO SOMT-LD series provides the stability needed for Stainless Steel roughing. Contact us for technical grade support and bulk B2B inquiry.