LPGT-GM

ZANHO Cutting Tools



LPGT-GM

Milling Inserts

Feature

ZANHO **LPGT010210ER-GM** is a specialized **micro-diameter** high-feed milling insert designed for compatibility with **MFH-Micro** tool holders. Engineered for narrow-space roughing in Steel,

Stainless Steel, Cast Iron, and Heat-Resistant Alloys, it features a **low-resistance GM chipbreaker** that effectively suppresses vibration and reduces cutting forces. This makes it a perfect choice for **small-diameter cutters** and low-power CNC machines. With its precision 2-edge design, it supports versatile operations including face milling, pocketing, ramping, and helical interpolation.

Descriptions

Key Technical Advantages

- **Optimized for Micro-Diameter:** Specifically designed for ultra-small MFH-Micro series cutters, ideal for machining in confined areas and complex cavities.
- **Low-Resistance GM Geometry:** The sharp, positive rake design minimizes cutting load and thermal generation, ensuring stable processing even on machines with standard rigidity.
- **Superior Vibration Control:** Advanced edge structure suppresses harmonic vibration, resulting in better tool life and surface quality when using large overhangs.
- **Multi-Functional Machining:** Exceptionally versatile for 3D milling tasks, including high-feed face milling, pocketing, ramping, and helical interpolation.
- **Universal Material Compatibility:** A single GM chipbreaker excels in diverse materials, including Steel, Stainless Steel, Cast Iron, and high-temperature alloys.

Dimensional Specifications (mm)

Model	W1 (IC)	S (Thickness)	D1 (Hole Dia)	INSL (Length)	RE (Radius)	Edges
LPGT010210ER-GM	4.19	2.19	2.1	6.26	1.0	2

Precision Solution for Micro High-Feed Milling

ZANHO LPGT micro-inserts deliver efficiency in the tightest spaces. Contact us for bulk B2B inquiry and technical machining recommendations.