SDMT-GM

ZANHO Cutting Tools



Feature

ZANHO **SDMT 120512-GM** and **SDMT 150512-GM** are heavy-duty milling inserts engineered for high-volume **roughing and interrupted cutting**. The **GM chipbreaker** features a conservative

rake angle to maximize edge strength and withstand heavy impacts. With unique dot-like protrusions for controlled chip breaking and a smooth edge transition, these inserts ensure maximum stability and reduced corner chipping in the most demanding face milling environments.

Descriptions

Key Technical Advantages

- **Heavy-Duty Edge Strength:** The GM chipbreaker adopts a conservative rake angle to reinforce the cutting edge, specifically designed to withstand high-impact forces in interrupted milling.
- **Innovative Dot-Protrusion Design:** The chipbreaker surface is equipped with dot-like protrusions that intervene in chip curling, effectively breaking wide chips into smaller pieces to prevent wrapping around the tool or workpiece.
- **Interrupted Cutting Stability:** Engineered for extreme reliability in face milling and heavy roughing where stability and resistance to thermal/mechanical shock are critical.
- **Smooth Edge Transition:** Features a rounded transition at the corners to reduce stress concentration, significantly lowering the risk of corner chipping during deep cuts.
- **Optimal Chip Cavity:** The moderate cavity depth provides ample space for chip evacuation, ensuring smooth flow and preventing clogging during high-removal rate operations.

Insert Dimensional Specifications (mm)

Model	R (Radius)	?I.C (Inscribed)	S (Thickness)	d (Hole Dia)	L (Length)
SDMT 120512-GM	1.2	12.7	5.65	4.3	12.7
SDMT 150512-GM	1.2	15.95	5.65	5.5	15.95

Engineered for Maximum Stability in Heavy Roughing

ZANHO SDMT-GM series provides the durability needed for extreme metal removal rates. Contact us for bulk B2B pricing and optimized machining parameters.