BLMP-ML

ZANHO Cutting Tools



BLMP-ML

Milling Inserts

Feature

ZANHO **BLMP1105R-ML** is a high-performance **double-sided 4-edge** milling insert specifically engineered for **Titanium and High-Temperature Alloys**. Featuring the sharp **ML chipbreaker**

with a large positive rake, it significantly reduces cutting forces and heat generation, making it ideal for machines with limited rigidity. Designed for high-feed roughing with a maximum **1.5mm depth of cut**, it ensures stable performance in pocketing, face milling, and helical interpolation, effectively extending tool life in difficult-to-machine materials.

Descriptions

Key Technical Advantages

- **Specialized for Difficult Materials:** Optimized for high-efficiency roughing in Titanium Alloys and Heat-Resistant Super Alloys (HRSA), balancing sharpness with edge toughness.
- **Ultra-Sharp ML Geometry:** Large positive rake angle reduces torque and thermal load, preventing work-hardening and protecting the machine spindle.
- **Superior Vibration Dampening:** Specifically designed to suppress harmonic vibrations even in setups with large overhangs or standard rigidity.
- **High Volume Metal Removal:** Supports a maximum axial depth (ap) of 1.5mm combined with high feed rates, maximizing productivity in aerospace and medical parts.
- **Double-Sided 4-Edge Economy:** Provides four high-precision cutting edges per insert, delivering stable performance and lower cost-per-part for B2B buyers.

Insert Dimensional Specifications (mm)

Model	L (Length)	W (Width)	d (Hole Dia)	s (Thickness)	t (Total H)	Max ap
BLMP 1105R-ML	14.6	11.1	5.5	5.75	6.5	1.5 mm

Recommended Tool Holders

Compatible Tool	Series Series	Operations
Milling Cutter Body	BLMP11 Series	Face Milling / Pocketing
End Mill Shank	C-BLMP11 Series	Ramping / Interpolation

Master Titanium & Alloy Machining

ZANHO BLMP-ML series provides the ultimate stability for high-feed applications in difficult materials. Contact us for wholesale pricing and material grade selection.