

TPMH-MV

ZANHO Cutting Tools



MV

—— Chip-breaker ——

Feature

ZANHO TPMH-MV series is a high-precision **triangle positive turning insert** specifically designed for **Medium Machining** of small parts. Featuring the advanced **MV chipbreaker** with a dual-

platform and circular rake face protrusions, it effectively breaks long stringy chips even at low feeds. Optimized for **Swiss-type lathes**, it provides exceptionally low cutting resistance and superior vibration control, making it ideal for thin-walled parts and small diameter internal boring.

Descriptions

Key Performance & Features

- **Swiss-Type Lathe Optimization:** Specifically engineered for small-part precision machining, supporting OD turning, profiling, back-turning, and internal boring.
- **Low Cutting Resistance:** Large positive rake angle and sharp cutting edge minimize cutting forces, preventing vibration and deformation in thin-walled workpieces.
- **Advanced MV Chipbreaker:** Dual-platform design combined with circular rake protrusions expands the chip-breaking window, achieving stable control over thin and long chips.
- **Superior Surface Finish:** Micro-edge treatment balances edge sharpness with structural reliability, delivering high dimensional accuracy and surface smoothness.
- **Excellent Boring Performance:** Ideally suited for small diameter internal hole boring, effectively solving chip entanglement issues in confined spaces.

Technical Specifications

Model	Feed (f)	Cut Depth (ap)
TPMH090204-MV	0.08 - 0.25 mm/r	0.3 - 2.0 mm
TPMH110304-MV	0.08 - 0.25 mm/r	0.3 - 2.0 mm
TPMH110308-MV	0.08 - 0.25 mm/r	0.3 - 2.0 mm

Need Tools for Precision Small Parts?

ZANHO technical experts can recommend the best coating and grade for your high-speed Swiss-type lathe production. Contact us for bulk B2B inquiry.