DCMT-PF

ZANHO Cutting Tools



PF

Chip-breaker

Feature

ZANHO DCMT-PF series is a specialized **55° rhombic positive turning insert** designed for high-precision **Finishing**. Featuring a light-cutting chipbreaker geometry, it produces exceptionally low

cutting forces, making it the perfect solution for machining slender shafts, thin-walled components, or parts with unstable clamping. It delivers superior chip control and surface quality across steel, stainless steel, and cast iron materials.

Descriptions

Key Performance & Features

- **Superior Chip Control:** Specialized PF geometry outperforms standard chipbreakers in steel, stainless steel, and grey/nodular cast iron, ensuring clean evacuation during fine finishing.
- **Light Cutting Force:** High positive rake angle reduces machining resistance, significantly minimizing vibration and deflection on delicate or long components.
- **Multi-Operation Versatility:** Optimized for high-quality performance in turning, facing, profiling, and back-facing operations.
- **Surface Integrity:** Specifically designed for parts prioritizing surface finish quality, such as shafts, wheels, and gear hubs.

Technical Specifications

Model	Feed (f) mm/r	Cut Depth (ap) mm
DCMT070202-PF	0.01 - 0.3	0.5 - 2.0
DCMT070204-PF	0.01 - 0.3	0.5 - 2.0
DCMT11T302-PF	0.01 - 0.3	0.5 - 2.0
DCMT11T304-PF	0.01 - 0.3	0.5 - 2.0
DCMT11T308-PF	0.01 - 0.3	0.5 - 2.0

Precision Parts Require Precision Tooling

Contact our technical support for advice on maximizing tool life and achieving optimal surface finishes in thin-walled or slender workpieces.