APKT1604PDER-MA

ZANHO Cutting Tools



Feature

ZANHO **APKT1604PDER-MA series**: High-precision **square shoulder milling inserts** optimized for aluminum and non-ferrous alloys. Featuring a **large positive rake geometry** and an integrated

wiper edge structure, these inserts ensure light cutting action and exceptional surface quality on both side walls and floors. The **buffed mirror rake face** prevents chip adhesion, delivering superior efficiency in semi-finishing and finishing of step faces.

Descriptions

Technical Advantages

- **Large Positive Rake Geometry:** Minimizes cutting resistance and ensures light, fast cutting action with reduced power load.
- **Mirror-Polished Rake Face:** Specifically treated surface prevents aluminum welding and chip adhesion, facilitating smooth evacuation.
- **Integrated Wiper Structure:** Specifically designed edge geometry significantly improves the surface quality of machined side walls and step faces.
- **Open Type Chipbreaker:** Ensures smooth chip formation and curling, maintaining stable performance in high-speed milling.
- **Micro-Honed Cutting Edge:** Enhances edge stability and resistance to fracture while maintaining extreme sharpness.
- **Optimized for Finishing:** Ideal for high-precision semi-finishing and finishing operations on all non-ferrous materials.

APKT1604PDER-MA Dimensions (ISO Standard)

Model	Edge Length (mm)	Thickness S (mm)	Bore D (mm)	Radius R (mm)
APKT1604PDER-MA	16.0	4.76	5.5	0.8