APKT1604PDER-MA3

ZANHO Cutting Tools



APKT-MA3

Aluminum Inserts

Feature

ZANHO **APKT1604PDER-MA3 series**: High-efficiency **square shoulder milling inserts** designed for larger cutting allowances in aluminum and non-ferrous alloys. Featuring a **deepened and**

widened open chipbreaker, these inserts provide superior chip evacuation even under heavy loads. Equipped with a **large positive rake** and **wiper edge structure**, they deliver a perfect balance of high material removal rates and exceptional side-wall surface quality.

Descriptions

Technical Advantages

- **Large Capacity MA3 Chipbreaker:** Increased pocket space compared to MA type, optimized for larger cutting allowances and high metal removal rates.
- **High-Gloss Mirror Face:** Premium buffed rake face effectively prevents aluminum chip welding and ensures ultra-smooth evacuation.
- **Large Positive Rake Geometry:** Reduces cutting resistance significantly, allowing for faster feed rates and lower power consumption.
- **Integrated Wiper Design:** Specialized edge geometry optimizes the finish of machined side walls and step surfaces.
- **Micro-Honed Stability:** Precision-treated cutting edge enhances impact resistance and edge toughness for stable long-run machining.
- **Versatile Performance:** Ideal for semi-finishing and medium-allowance milling of square shoulders and step faces.

APKT1604PDER-MA3 Dimensions (ISO Standard)

Model	Edge Length (mm)	Thickness S (mm)	Bore D (mm)	Radius R (mm)
APKT1604PDER-MA3	16.0	4.76	5.5	0.8