APKT-G2

ZANHO Cutting Tools



APKT-G2

Aluminum Inserts

Feature

ZANHO **APGT-G2 / APKT-G2 series**: High-performance **square shoulder milling inserts** featuring a unique **3D ridge-style chipbreaker**. Engineered for aluminum and non-ferrous alloys,

these inserts combine a large positive rake angle for light cutting with mandatory chip curling for stable evacuation. Equipped with a **buffed mirror rake face** and integrated **wiper edge**, they deliver exceptional surface quality and process reliability across varying cutting allowances.

Descriptions

Technical Advantages

- **3D Ridge-Style Chipbreaker:** Specialized ridge geometry provides mandatory chip curling and stable evacuation, adapting to varied cutting allowances.
- **Large Positive Rake Design:** Minimizes cutting resistance and ensures a sharp, light cutting action, reducing tool vibration.
- **Mirror-Polished Rake Face:** Ultra-smooth buffed surface effectively prevents chip adhesion and built-up edge (BUE) in aluminum machining.
- **Integrated Wiper Edge:** Precision-ground wiper structure guarantees superior surface finish on machined side walls and floors.
- **Micro-Reinforced Cutting Edge:** Precision edge treatment enhances impact resistance and stability during high-speed operations.
- **Optimized for Finishing:** Excellent choice for semi-finishing and finishing of square shoulders and step faces on non-ferrous materials.

APGT / APKT Series Dimensions (ISO Standard)

Model	Edge Length (mm)	Thickness (mm)	Bore D (mm)	Radius R (mm)
APGT1604PDER-G2	16mm	4.76mm	5.5mm	0.8mm
APKT1135PDER-G2	11mm	3.5mm	4.2mm	0.8mm
APKT1003PDSR	10mm	3.18mm	4.2mm	0.8mm