CCGT-AK

ZANHO Cutting Tools



Feature

ZANHO **CCGT-AK series**: High-precision **80° rhombic inserts** optimized for aluminum and non-ferrous alloys. Featuring a **large positive rake geometry** and a **buffed mirror-polished rake face**

, these inserts minimize cutting resistance and effectively prevent built-up edge (BUE). Ideal for high-speed external turning and internal boring, delivering exceptional surface brightness and dimensional stability.

Descriptions

Technical Advantages

- **Mirror-Polished Rake Face:** Significantly reduces cutting friction and prevents aluminum welding and chip adhesion.
- **Large Positive Rake Geometry:** Ensures light and sharp cutting action, minimizing vibration and heat generation.
- **Optimized Open Chipbreaker:** Facilitates mandatory chip curling and stable evacuation, even in enclosed internal boring.
- **High Precision Ground Edges:** Delivers optical-grade surface finish and maintains tight tolerances.
- **Internal & External Versatility:** Perfectly suited for external turning, internal boring, and complex profiling of non-ferrous metals.

CCGT-AK Dimensions (ISO Standard)

Model	Edge Length L (mm)	Thickness S (mm)	Bore D (mm)	Radius R (mm)
CCGT060202-AK	6.35	2.38	2.8	0.2
CCGT060204-AK	6.35	2.38	2.8	0.4
CCGT060208-AK	6.35	2.38	2.8	0.8
CCGT09T302-AK	9.525	3.97	4.4	0.2
CCGT09T304-AK	9.525	3.97	4.4	0.4
CCGT09T308-AK	9.525	3.97	4.4	0.8
CCGT120402-AK	12.7	4.76	5.5	0.2
CCGT120404-AK	12.7	4.76	5.5	0.4
CCGT120408-AK	12.7	4.76	5.5	0.8