DCGT-AK

ZANHO Cutting Tools



Feature

ZANHO **DCGT-AK series**: High-precision **55° rhombic inserts** specifically designed for aluminum and non-ferrous alloys. Featuring a **large positive rake angle** and a **buffed mirror-polished rake**

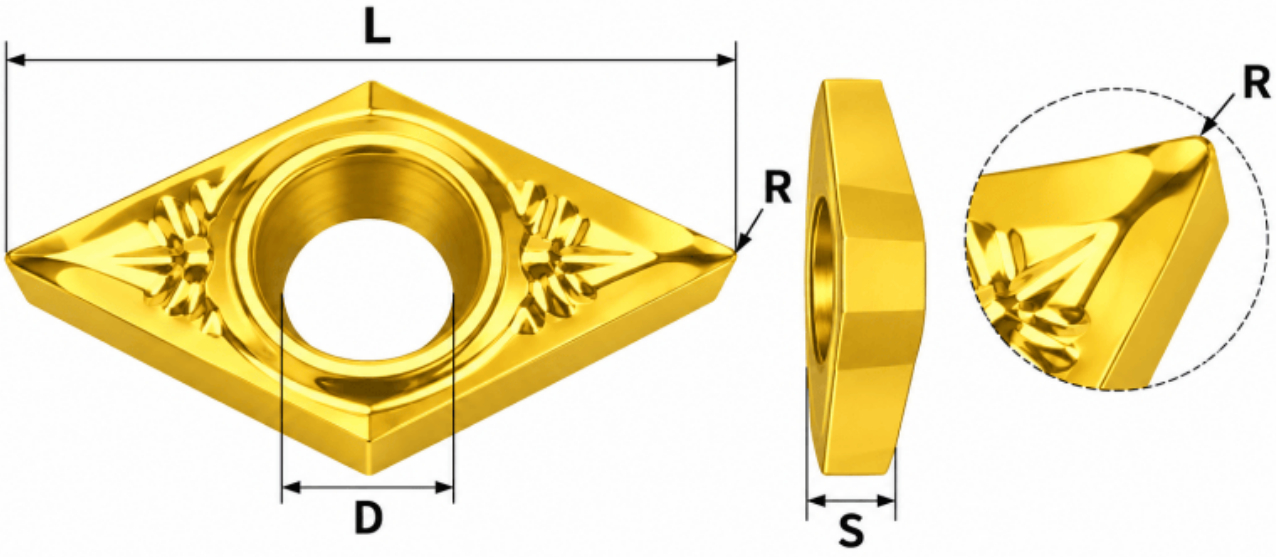
face, these inserts significantly reduce cutting friction and prevent built-up edge (BUE). The specialized **dot-style chipbreaker** ensures stable chip evacuation, making them ideal for high-speed external, internal, and complex profiling tasks with superior surface quality.

Descriptions

Technical Advantages

- **Mirror-Polished Rake Face:** Reduces cutting friction and effectively prevents chip welding and built-up edge (BUE).
- **Large Positive Rake Geometry:** Ensures light cutting action and minimizes vibration during high-speed operations.
- **Dot-Style Open Chipbreaker:** Specialized geometry ensures stable and mandatory chip curling and evacuation.
- **High Precision Machining:** Ultra-sharp cutting edge guarantees high dimensional accuracy and exceptional surface brightness.
- **Internal & External Versatility:** Perfectly suited for external turning, internal boring, face machining, and complex profiling.

DCGT-AK Dimensions (ISO Standard)



L	S	D	R
Cutting edge length	Insert thickness	Hole diameter	Nose radius

Model	Edge Length L (mm)	Thickness S (mm)	Bore D (mm)	Radius R (mm)
DCGT070202-AK	7.94	2.38	3.18	0.2
DCGT070204-AK	7.94	2.38	3.18	0.4
DCGT070208-AK	7.94	2.38	3.18	0.8
DCGT11T302-AK	11.11	3.97	4.76	0.2
DCGT11T304-AK	11.11	3.97	4.76	0.4
DCGT11T308-AK	11.11	3.97	4.76	0.8