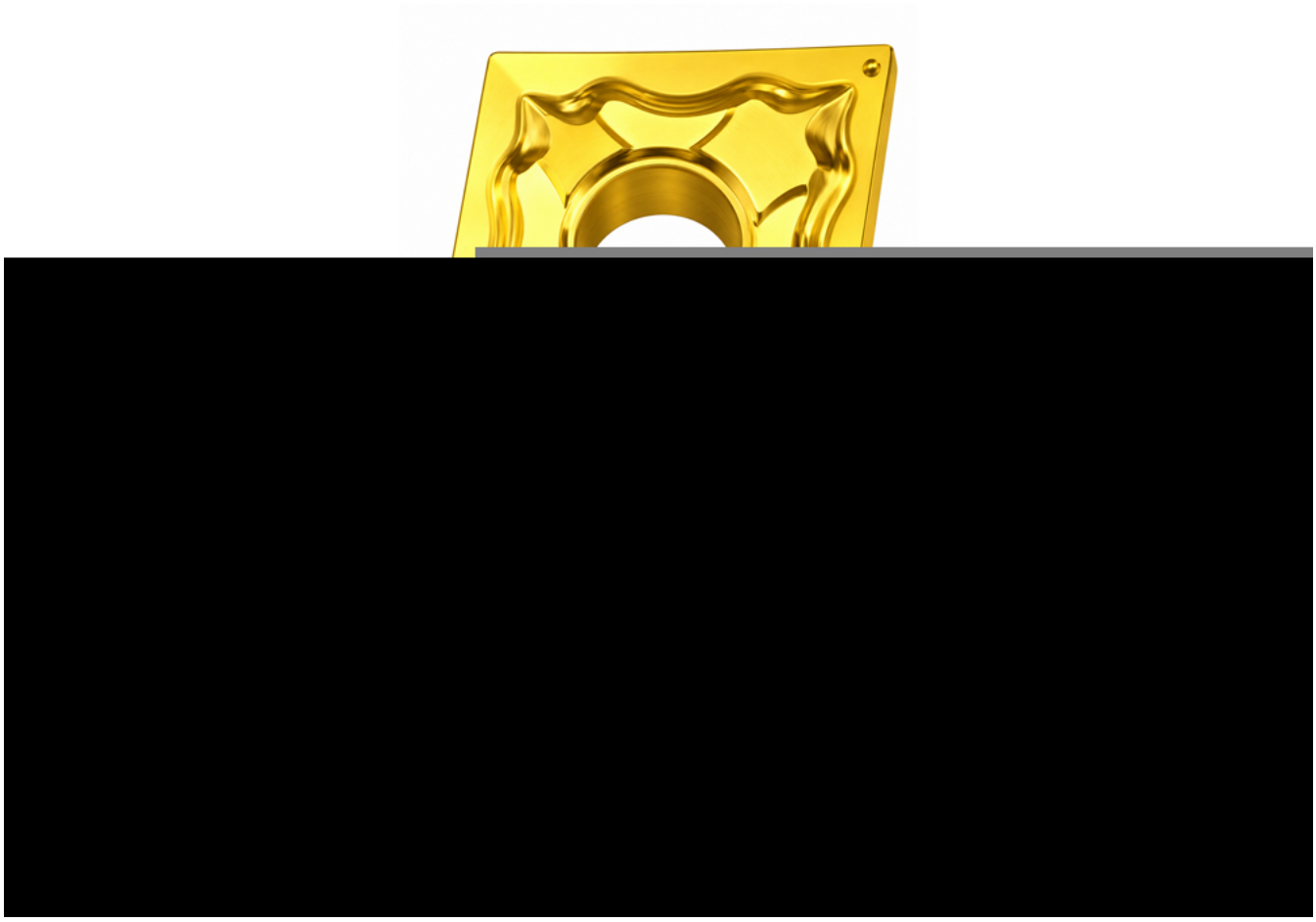
CNMG-HA

ZANHO Cutting Tools



Feature

ZANHO **CNMG1204-HA series**: High-precision **80° rhombic inserts** specifically engineered for aluminum and non-ferrous metals. Featuring a **large positive rake angle** and a **buffed mirror-**

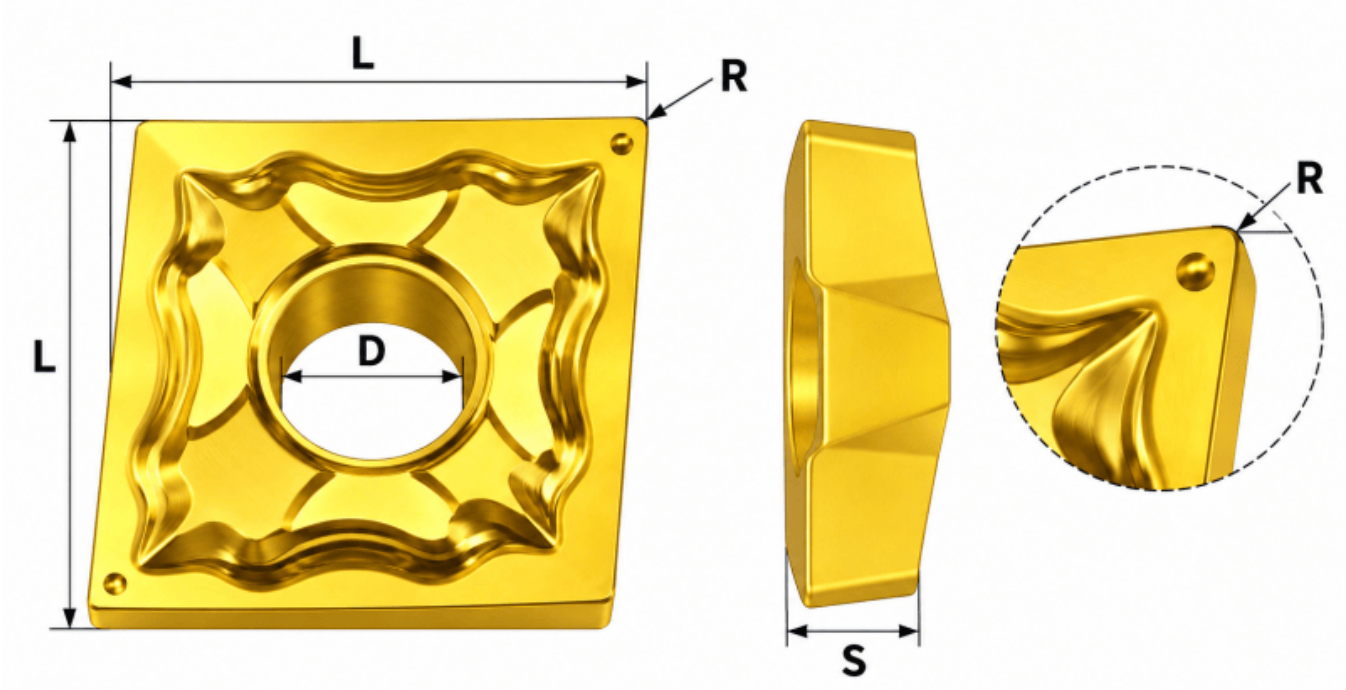
polished rake face, these inserts significantly reduce cutting resistance and prevent built-up edge (BUE). Ideal for high-speed turning, profiling, and face machining with superior surface finish.

Descriptions

Technical Advantages

- **Mirror-Polished Rake Face:** Highly polished surface reduces friction and prevents chip welding (Built-up Edge) in aluminum machining.
- **Large Positive Rake Geometry:** Sharp cutting edge reduces cutting load and minimizes vibration during high-speed operations.
- **Open Wave-Style Chipbreaker:** Provides ample space for chip flow, ensuring smooth evacuation even in deep profiling tasks.
- **Superior Surface Finish:** Precision ground edges deliver optical-grade smoothness on the workpiece.
- **Versatile Application:** Suitable for a wide range of tasks, including external turning, face machining, and complex profiling.

CNMG1204-HA 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)

CNMG120402-HA	12.7	4.76	5.16	0.2
CNMG120404-HA	12.7	4.76	5.16	0.4
CNMG120408-HA	12.7	4.76	5.16	0.8