

16NR/ER-ISO-HM

ZANHO Cutting Tools



16ER/IR-ISO-HM

Threading Inserts

Feature

ZANHO **ISO-HM series**: Precision **3D chipbreaker** threading inserts designed for ISO metric profiles. Featuring the **HM chipbreaker**, these inserts provide mandatory breaking of long

continuous chips to prevent workpiece scratching and entanglement. The variable-depth design combines edge strength with high-volume chip evacuation, ideal for stable high-performance internal and external threading.

Descriptions

Technical Features

- **HM 3D Chipbreaker:** Mandatory chip breaking prevents entanglement and workpiece scratching.
- **Variable Depth Design:** Shallow near tip for impact resistance; deep in pocket for chip room.
- **Edge Protection:** Passivated edge with micro-negative land enhances durability against impact.
- **ISO Metric Profile:** Full profile threading ensures high dimensional accuracy.

ISO-HM Specification Table

Model Designation	Pitch P (mm)	Height h (mm)	Radius r? (mm)
16ER-100ISO-HM	1.00	0.613	0.12
16NR-100ISO-HM			
16ER-150ISO-HM	1.50	0.920	0.18
16NR-150ISO-HM			
16ER-200ISO-HM	2.00	1.227	0.24
16NR-200ISO-HM			
16ER-250ISO-HM	2.50	1.534	0.30
16NR-250ISO-HM			
16ER-300ISO-HM	3.00	1.840	0.36
16NR-300ISO-HM			