16NR/ER-AG55/60-HM

ZANHO Cutting Tools

Feature

ZANHO **Partial-Profile HM series**: High-versatility **3D chipbreaker** threading inserts covering a wide range of pitches (0.5-3.0mm). Available in 60° and 55° partial profiles, these inserts feature

the **HM chipbreaker** for mandatory breaking of long chips, preventing entanglement in internal and external threading. Engineered for high stability, burr suppression, and exceptional edge strength on CNC lathes.

Descriptions

Technical Features

- **HM 3D Chipbreaker:** Mandatory chip breaking prevents entanglement and workpiece scratching.
- **Partial Profile Versatility:** Covers wide pitch ranges (0.5-3.0mm) with a single insert type.
- **Variable-Depth Design:** Balances edge toughness with high-volume chip evacuation space.
- **Burr Suppression:** Precision edge passivation reduces burrs and improves threading quality.

Partial Profile HM Specification

Model Designation	Profile Angle ?	Type	Pitch P (mm)	TPI Range
16ER-AG60-HM	60°	Partial Profile	0.5-3.0	48-8
16NR-AG60-HM				
16ER-AG55-HM	55°	Partial Profile	0.5-3.0	40-8
16NR-AG55-HM				

Insert Physical Parameters

• I.C (???): 9.525mm
• S (????): 3.97mm
• d (?????): 4.40mm