

# 16NR/ER-AG55/60-HM

## ZANHO Cutting Tools



**16ER/NR-AG-HM**

Threading Inserts

## 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