

11/16ER/IR-A/AG-S

ZANHO Cutting Tools



11/16ER/IR-AG-S

Threading Inserts

Feature

ZANHO Partial-Profile S series: High-efficiency threading inserts featuring the **S-type spiral 3D chipbreaker**. Designed to solve long-chip entanglement in internal and blind-hole threading, the

spiral pattern forces chips into short curls to protect thread surfaces. Available in 60° and 55° profiles with **A (fine)**, **G (coarse)**, and **AG (universal)** designations for maximum flexibility and tool utilization.

Descriptions

Technical Features

- **Spiral 3D Chipbreaker:** Mandatory chip curling for safe evacuation in blind/deep holes.
- **Surface Protection:** Prevents long chips from scratching internal thread walls.
- **Designation Logic:** **A** (Fine pitch), **G** (Coarse pitch), **AG** (Universal range).
- **High Stability:** Variable groove depth ensures tip strength and ample chip evacuation space.
- **Burr Suppression:** Negative land edge reduces cutting vibration and burr formation.

Partial Profile S-Series Specification

Internal (IR)	External (ER)	I.C (mm)	Angle	Pitch (mm)
11IR-A60-S	-	11 (6.35)	60°	0.5-1.5
16IR-A60-S	16ER-A60-S	16 (9.525)	60°	0.5-1.5
16IR-AG60-S	16ERA-G60-S		60°	0.5-3.0
16IR-G60-S	16ER-G60-S		60°	1.5-3.0
16IR-A55-S	16ER-A55-S		55°	0.5-1.5
16IR-AG55-S	16ER-AG55-S		55°	0.5-3.0
16IR-G55-S	16ER-G55-S		55°	1.5-3.0