

16IR/ER-11/14W-S

ZANHO Cutting Tools



16ER/IR-11/14W-S

Threading Inserts

Feature

ZANHO **Whitworth-S series**: Premium threading inserts featuring the **S-type spiral 3D chipbreaker** for Whitworth 55° (BS84) profiles. Designed to eliminate long-chip entanglement, the

spiral pattern forces chips into short curls, protecting the thread surface from damage. Highly recommended for **blind and deep internal holes** in automated mass production, offering superior tool life and process reliability.

Descriptions

Technical Features

- **Spiral 3D Chipbreaker:** Mandatory chip curling prevents surface scratching and entanglement.
- **Internal Thread Specialist:** Preferred choice for blind holes and deep internal Whitworth threading.
- **BS84 Standard:** Precision engineered profile for high-quality 55° Whitworth threads.
- **Variable Depth Design:** Shallow groove at tip for strength; deep cavity for high-volume chip room.
- **Vibration Control:** Honed edges with negative land reduce cutting vibration and burrs.

Whitworth-S Specification Table

Internal (IR)	External (ER)	TPI	Pitch P (mm)	Height h (mm)
16IR-11W-S	16ER-11W-S	11	2.309	1.478
16IR-14W-S	16ER-14W-S	14	1.814	1.162

Insert Physical Parameters

- I.C: 9.525mm
- Thickness (S): 3.44mm
- Hole (d): 4.40mm
- Profile Angle: 55° (Whitworth BS84)
- Holder Compatibility: SER-16 / SNR-16