

Smoxh Threading Bar

Description

SMOXH Threading Bar is a precision internal threading tool holder designed for accurate machining of internal threads in CNC Lathe and Turning Centers.

Types

- External Threading Tools
- Internal threading Tools



APPLICATIONS

Used for internal threading of:

- Hydraulic components
- Bushings
- Cylinders
- Pipe fittings
- Precision parts
- Automotive components



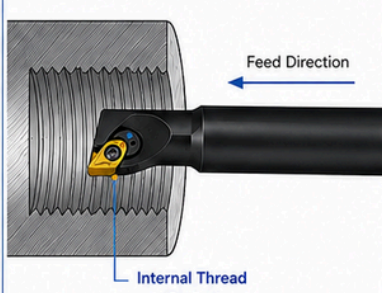
INSERT COMPATIBILITY

Uses standard ISO threading inserts

Common Insert Types:

- 16IR (60°)
- 16ER (60°)
- 11IR (55°)
- 11ER (55°)
- And others

APPLICATION (INTERNAL THREADING)



Feed Direction

Internal Thread (Boring)

KEY FEATURES

- ✓ High rigidity for stable threading
- ✓ Excellent chip control inside threads
- ✓ High precision threading
- ✓ Superior thread surface finish
- ✓ Suitable for finishing and semi-finishing operations
- ✓ Available in various diameters and thread profiles

ADVANTAGES

- ✓ Accurate and consistent thread quality
- ✓ Reduces tool deflection and vibration
- ✓ Excellent chip evacuation in bore
- ✓ Cost-effective with replaceable inserts
- ✓ High accuracy and repeatability

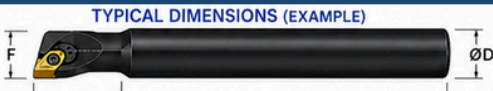
TOOL DESIGNATION (EXAMPLE)

S **16** **Q** - **SMOXH** **16** - **IR**

Shank Type: S = Steel Shank
Shank Diameter: 16 mm
Shank Shape: Q = Square (or as applicable)
Model: SMOXH Threading Bar
Minimum Bore Diameter: 16 mm
Insert Type: IR = Internal Right Hand (IL = Left Hand)

Note: Designation may vary by manufacturer.

TYPICAL DIMENSIONS (EXAMPLE)



Shank Ø (D)	Min. Bore (d)	L	L1	F	Insert Type
12	16	100	22	9	11IR / 11ER
16	20	120	25	11	16IR / 16ER
20	24	125	30	13	16IR / 16ER
25	30	150	35	17	22IR / 22ER

Note: Dimensions are for reference only. Actual sizes may vary.

LIMITATIONS

- ⚠ Requires proper setup to avoid chatter
- ⚠ Limited by minimum bore diameter
- ⚠ Correct insert and pitch selection critical
- ⚠ Chip packing possible in deep threads (use coolant)