



# Smoxh Boring Bar

## Description

SMOXH boring bar is a precision internal boring tool holder designed for accurate machining of internal diameters in CNC Lathes and turning centers.

## Types


- 90 Milling Tools
- 45 Milling Tools
- Copy Milling Tools
- Ball Nose Milling Tools



### APPLICATIONS

Used for internal machining of:

- Bushings
- Cylinders
- Bearing housings
- Hydraulic components
- Precision parts


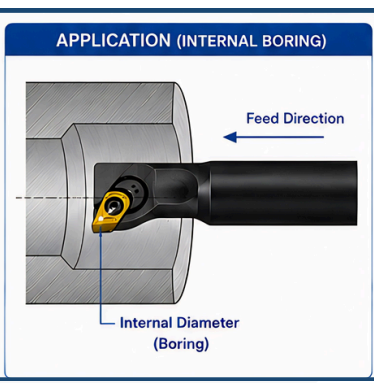


### INSERT COMPATIBILITY

Uses standard ISO carbide inserts

**Common Insert Types:**

- CCMT
- DCMT
- TCMT
- VBMT
- And others

### KEY FEATURES

- ✓ High rigidity for stable cutting
- ✓ Efficient chip evacuation
- ✓ High precision boring capability
- ✓ Excellent surface finish
- ✓ Suitable for finishing and semi-finishing operations
- ✓ Available in various diameters and lengths

### ADVANTAGES


- ✓ Improves surface finish
- ✓ Reduces tool deflection and vibration
- ✓ Enables deep internal boring
- ✓ Cost-effective due to replaceable inserts
- ✓ High accuracy and repeatability

### TOOL DESIGNATION (EXAMPLE)

**S** - Shank Type (Steel Shank)  
**20** - Shank Diameter (20 mm)  
**Q** - Shank Shape (Square or as applicable)  
**SMOXH** - Model (SMOXH Boring Bar)  
**25** - Minimum Bore Diameter (25 mm)  
**09** - Insert Size (09 size insert)

Note: Designation may vary by manufacturer.

### TYPICAL DIMENSIONS (EXAMPLE)



Shank Ø (D)	Min. Bore (d)	L	L1	F	Insert Size
12	14	100	22	9	06
16	18	120	25	11	06
20	25	125	30	13	09
25	32	150	35	17	09
32	40	170	40	22	11

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

### LIMITATIONS

- ⚠ Requires proper setup to avoid chatter
- ⚠ Limited by minimum bore diameter
- ⚠ Needs correct insert selection for optimal performance
- ⚠ Chip packing may occur in deep holes (use proper coolant)