

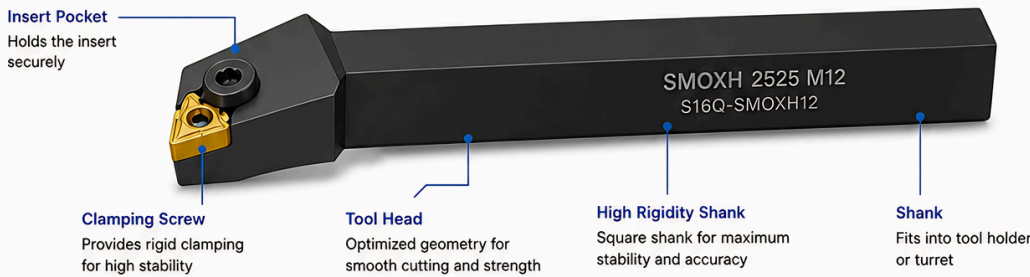
Smoxh Turning Bar-External Turning Tool

Description

“SMOXH external turning tool is a precision tool holder designed for external turning operations on CNC lathes and turning centers. It offers high rigidity, excellent surface finish and reliable performance with indexable carbide inserts.”

Types

- T Systems External Tools
- P Systems External Tools
- M Systems External Tools
- C Systems External Tools
- S Systems External Tools

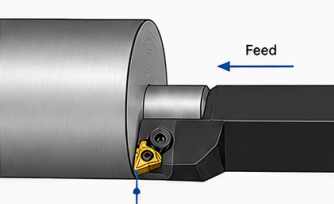


APPLICATIONS

Used for external turning of:

- Shafts
- Sleeves
- Flanges
- Discs
- General components



<h4>INSERT COMPATIBILITY</h4> <p>Uses standard ISO carbide inserts</p> <p>Common Insert Shapes:</p> <ul style="list-style-type: none"> • CCMT • DCMT • TCMT • And others 	<h4>APPLICATION (EXTERNAL TURNING)</h4>  <p>External Turning (OD Machining)</p>	<h4>KEY FEATURES</h4> <ul style="list-style-type: none"> ✓ High rigidity for stable cutting ✓ Excellent chip control ✓ Precision machining capability ✓ Excellent surface finish ✓ Suitable for roughing to finishing operations ✓ Available in various shank sizes and lengths
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ADVANTAGES

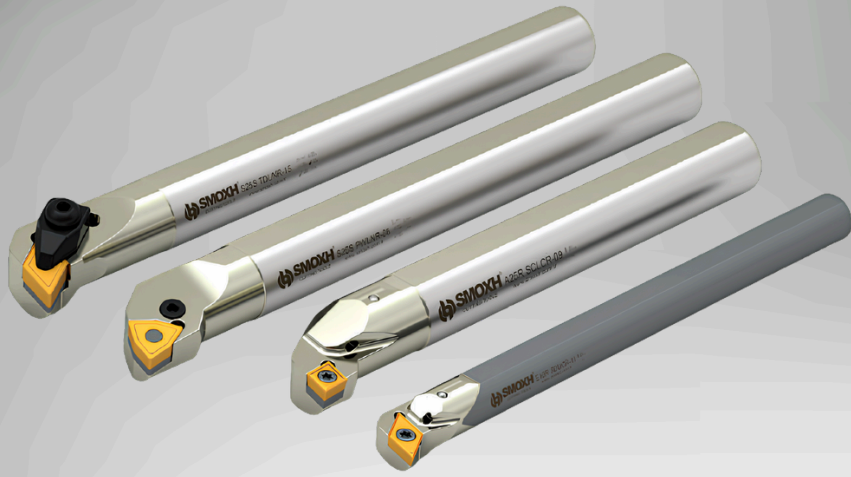
- ✓ Improves surface finish
- ✓ Reduces tool deflection and vibration
- ✓ High productivity and reliability
- ✓ Long tool life with indexable inserts
- ✓ Cost-effective due to replaceable inserts
- ✓ Consistent performance

External Tool Holder Code System (ISO)

1	2	3	4	5	6	7	8	9
T	D	J	N	R	25	25	M	15
Clamping system of Insert	Shape of Insert	Holder style	Clearance Angle of Insert	Hand of Tool	Height of Shank	Width of Shank	Length of Tool	Length of Insert Cutting Edge

LIMITATIONS

- ⚠ Not suitable for internal machining
- ⚠ Performance depends on correct insert selection
- ⚠ Requires proper setup to avoid chatter and vibration
- ⚠ Not ideal for interrupted heavy cuts



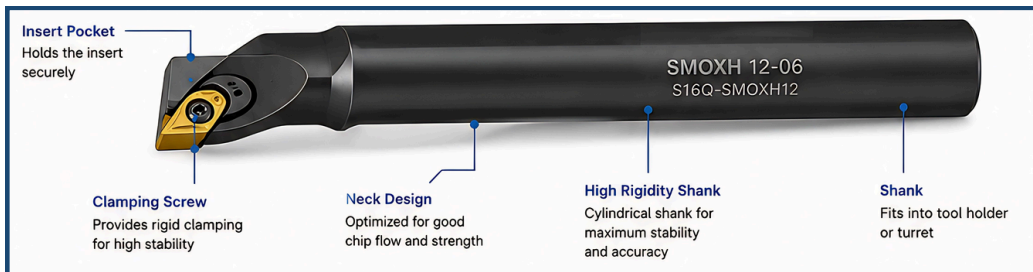
Smoxh Turning Bar-Internal Turning Tool

Description

“SMOXH Internal turning tool is a precision internal (boring) tool holder designed for accurate machining of internal diameters in CNC lathes and turning centers.

Types


- Anti vibration Tools
- T Systems Internal Turning Tools
- P Systems Internal Turning Tools
- M Systems Internal Turning Tools
- S Systems Internal Turning Tools
- C Systems Internal Turning Tools


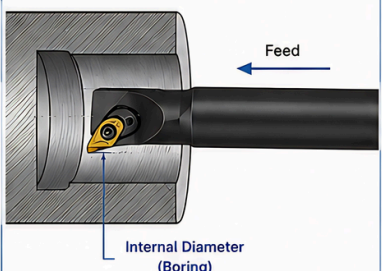


APPLICATIONS

Used for internal machining of:

- Bushings
- Cylinders
- Bearing housings
- Precision components



INSERT COMPATIBILITY	APPLICATION (INTERNAL TURNING)	KEY FEATURES
 <p>Uses standard ISO carbide inserts</p> <p>Common Insert Shapes:</p> <ul style="list-style-type: none"> • CCMT • DCMT • And others 	 <p>Internal Diameter (Boring)</p>	<ul style="list-style-type: none"> ✓ High rigidity for stable cutting ✓ Good chip evacuation inside bores ✓ Precision machining 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 machining
- ✓ Cost-effective due to replaceable inserts
- ✓ High accuracy and repeatability

Internal Tool Holder Code System (ISO)

1	2	3	4	5	6	7	8	9
S	25	S	T	D	U	N	R	- 15
Type of Tools	Diameter of Tool	Length of Clamping system of Tool	Shape of Insert	Cutting Angle of Tools	Clearance Angle of Insert	Hand of Tools	Length of Insert Cutting Edge	

LIMITATIONS

- ⚠ Requires proper setup to avoid chatter
- ⚠ Limited by minimum bore diameter
- ⚠ Needs correct insert selection for optimal performance