



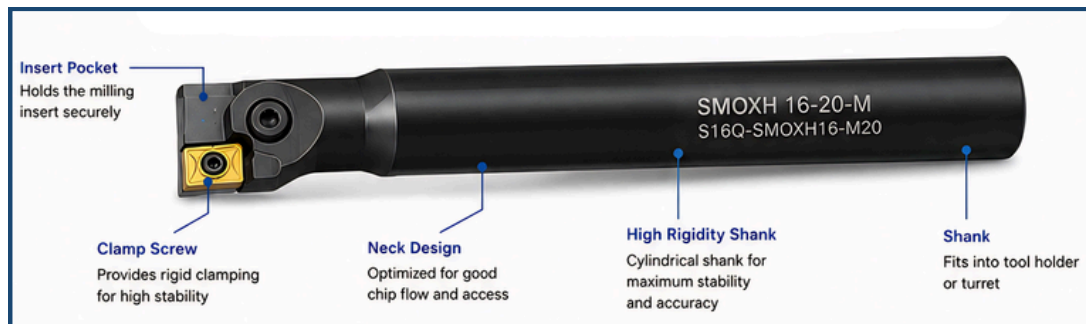
Smoxh Milling Bar

Description

SMOXH Milling bar is a precision internal milling tool holder designed for accurate milling, slotting, and profiling operations in CNC Lathes and Machining Centers.

Types

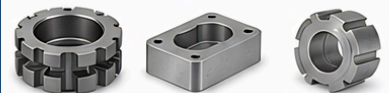
- 90 Milling Tools
- 45 Milling Tools
- Copy Milling Tools
- Ball Nose Milling Tools



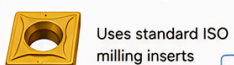
APPLICATIONS

Used for internal milling of:

- Keyways
- Slots
- Pockets
- Profiles
- Internal contours



INSERT COMPATIBILITY



Uses standard ISO milling inserts

Common Insert Types:

- APKT
- APMT
- SEKT
- And others

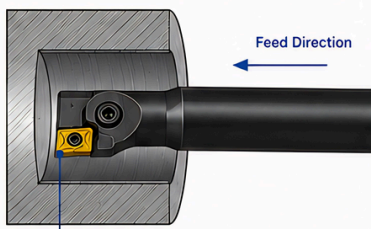
APKT Insert



SEKT Insert



APPLICATION (INTERNAL MILLING)



Internal Milling (Slotting / Profiling)

KEY FEATURES

- High rigidity for stable milling
- Excellent chip evacuation in internal milling
- Precision machining capability
- Excellent surface finish
- Suitable for roughing, finishing and profiling
- Available in various diameters and lengths

ADVANTAGES

- ✓ High accuracy and repeatability
- ✓ Reduced vibration and deflection
- ✓ Better surface finish
- ✓ Can perform deep internal milling
- ✓ Interchangeable inserts (cost-effective)
- ✓ Improved tool life

TOOL DESIGNATION (EXAMPLE)

S	16	Q	-	SMOXH	16	-	20	M
Shank Type	Shank Diameter	Shank Shape		Model	Minimum Bore Diameter		Insert Size	Milling Type
S = Steel Shank	16 mm	Q = Square (or as applicable)		SMOXH Milling Bar	16 mm		20 mm	

Note: Designation may vary by manufacturer.

TYPICAL DIMENSIONS (EXAMPLE)



Shank Ø (D)	Min. Bore (d)	L	L1	F	Insert Size
12	14	100	22	10	12
16	18	120	25	12	16
20	22	125	30	13	16
25	28	150	35	17	20

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

LIMITATIONS

- ⚠ Requires proper setup to avoid chatter
- ⚠ Limited by minimum bore diameter
- ⚠ Correct insert selection is important
- ⚠ Chip evacuation may be difficult in deep cavities without coolant