

STMD STMD M50-660-50

Vibration damped turning tool holder – modular



MAQ AB

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Price and dimensions

More technical data on page 2

Diameter (mm)	Length (mm)		
50	660		

Description:

STMD turning tool holder

Supplied with:

Insex screws M8X14, 3 pcs
Allen wrench, 1 pcs
Coolant adapter G3/4, 1 pcs

Note:

Cylindrical shank without clamping feature.
With central groove for alignment.
Recommended application range up to 12XD
Reference product performance datasheet to be updated.
Maximum cutting depth (To be updated) mm.



Download drawing

 STEP




 DWG

Technical data

Adaptive interface machine direction	50
Adaptive interface workpiece direction	SL50
No clamping region (S)	155 mm
Recommended maximum overhang (OHX)	Approx. 520 mm
Coolant entry form	Axial concentric
Coolant exit form	1C – Axial
Coolant entry thread size	G ¾
Max coolant pressure	70 bar
Alignment aid property	Central groove
Connection diameter (DCON)	50 mm
Functional length (LF)	660 mm
Body material	Steel
Weight of item	9.4 kg
Recommended clamping length	150 mm (3XD)
Method of cutting off	Slot turning / Sawing

Quality / Product performance reference*

Depth of cut:	0.5 mm	Nose radius:	0.4 mm
Cutter head:	MAQ SDUCR 50	Cutting insert:	DCMT 11T304
Coolant:	On	Workpiece material:	34 CrNiMo, HRC 28-30
Units:	Feed: mm/rev; Speed: m/min; Ra: μm		

		
Quiet with good/medium surface quality	Slight to medium vibrations with medium to bad surface quality	Strong vibrations / Insert broken

Surface finish (Ra) table (To be updated)

7xD DOC = 0.5mm

	<i>Feed</i>		
<i>Speed</i>	0.10	0.15	0.20
200	1.25	1.96	3.56

8xD DOC = 0.5mm

	<i>Feed</i>		
<i>Speed</i>	0.10	0.15	0.20
200	1.09	1.92	3.28

9xD DOC = 0.5mm

	<i>Feed</i>		
<i>Speed</i>	0.10	0.15	0.20
200	1.34	1.88	3.35

* The actual product performance is dependent on the rigidity of the clamping methods, and the table is used as reference

(RA) = Arithmetic Average of the roughness profile (μm)

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