

# STMD STMD i5/8-6.7

Vibration damped turning tool holder – modular



MAQ AB

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# Price and dimensions

More technical data on page 2

Diameter (inch)	Length (inch)		
0.625	6.7		

## Description:

STMD turning tool holder

## Supplied with:

Insex screws M3X8, 3 pcs  
Allen wrench, 1 pcs  
Coolant adapter G1/4, 1 pcs

## Note:

Cylindrical shank without clamping feature.  
With central groove for alignment.  
For applications up to 8XD.  
Recommended application range up to 9XD  
Refer to product performance datasheet below.  
Maximum cutting depth (To be updated) mm



Download drawing

STEP




DWG

## Technical data

Adaptive interface machine direction	<b>0.625 inch</b>
Adaptive interface workpiece direction	<b>SL16</b>
No clamping region (S)	<b>2.8 inch</b>
Recommended maximum overhang (OHX)	<b>Approx. 4.3 inch</b>
Coolant entry form	<b>Axial concentric</b>
Coolant exit form	<b>3C – axial and periphery</b>
Coolant entry thread size	<b>G ¼</b>
Max coolant pressure	<b>70 bar</b>
Alignment aid property	<b>Central groove</b>
Connection diameter (DCON)	<b>0.625 inch</b>
Functional length (LF)	<b>6.7 inch</b>
Body material	<b>Steel</b>
Weight of item	<b>0.25 kg</b>
Recommended clamping length	<b>1.875 inch (3XD)</b>
Method of cutting off	<b>Slot turning / Sawing</b>

# Quality / Product performance reference\*

**Depth of cut:** 0.5 mm      **Nose radius:** 0.4 mm  
**Cutter head:** MAQ SDUCR 16-5/8      **Cutting insert:** DCMT 070204  
**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

7xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	4.34	1.14	2.05	2.24
200	4.35	1.21	2.46	3.15
150	0.60	1.22	2.39	3.54

8xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	4.14	1.11	1.69	2.70
200	N.A	1.29	2.70	3.13
150	N.A	1.45	2.34	2.86

9xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	N.A	1.15	1.55	2.55
200	N.A	4.87	2.28	2.91
150	N.A	N.A	5.22	3.04

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

\*\* In actual machining, avoid using depth of cut or feed rate below 0.07mm when working with carbide insert (the edge radius)

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