

# STMD STMD i1 ½ - 20.8-3C

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)	Price USD	Price EUR
1.5	20.8	\$ 1,850	€ 1,665

## Description:

STMD turning tool holder

## Supplied with:

Insex screws M6X14, 3 pcs  
Allen wrench, 1 pcs  
Coolant adapter G1/2, 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	<b>1.5 inch</b>
Adaptive interface workpiece direction	<b>SL40</b>
No clamping region (S)	<b>7.5 inch</b>
Recommended maximum overhang (OHX)	<b>Approx. 17.7 inch</b>
Coolant entry form	<b>Axial concentric</b>
Coolant exit form	<b>3C – Axial and periphery</b>
Coolant entry thread size	<b>G ½</b>
Max coolant pressure	<b>70 bar</b>
Alignment aid property	<b>Central groove</b>
Connection diameter (DCON)	<b>1.5 inch</b>
Functional length (LF)	<b>20.8 inch</b>
Body material	<b>Steel</b>
Weight of item	<b>5.0 kg</b>
Recommended clamping length	<b>4.5 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 40      **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

10xD DOC = 0.5mm

Speed	Feed				
		0.05**	0.10	0.15	0.20
300					
200					
150					

11xD DOC = 0.5mm

Speed	Feed				
		0.05**	0.10	0.15	0.20
300					
200					
150					

12xD DOC = 0.5mm

Speed	Feed				
		0.05**	0.10	0.15	0.20
300					
200					
150					

\* 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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