

# STMD STMD i1 ½ -16.0-1C

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)		
1.5	16.0		

## 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 9XD  
Refer to product performance datasheet  
below.  
Maximum cutting depth (To be updated) mm.



Download drawing

STEP




DWG

## Technical data

Adaptive interface machine direction	1.5 inch
Adaptive interface workpiece direction	SL40
No clamping region (S)	5.5 inch
Recommended maximum overhang (OHX)	Approx. 13 inch
Coolant entry form	Axial concentric
Coolant exit form	3C – Axial
Coolant entry thread size	G ½
Max coolant pressure	70 bar
Alignment aid property	Central groove
Connection diameter (DCON)	1.5 inch
Functional length (LF)	16.0 inch
Body material	Steel
Weight of item	3.9 kg
Recommended clamping length	4.5 inch 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 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

7xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	0.54	1.04	2.00	3.89
200	0.49	0.88	2.20	3.51
150	0.62	0.94	2.24	3.94

8xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	0.63	1.13	2.22	3.73
200	0.53	1.06	2.40	3.38
150	0.62	1.09	2.37	3.52

9xD DOC = 0.5mm

Speed	Feed			
	0.05**	0.10	0.15	0.20
300	N.A	1.59	2.57	4.04
200	N.A	1.51	2.41	3.81
150	N.A	4.94	2.97	3.66

\* 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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