

# STMD STMD i2 ½ - 31.8-SL60

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)		
2 ½	31.8		

## 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 ranges up to 11XD.  
Reference product performance datasheet to be updated.  
Maximum cutting depth mm.



## Download drawing

↓ STEP




↓ DWG

## Technical data

Adaptive interface machine direction	2.5 inch
Adaptive interface workpiece direction	SL60
No clamping region (S)	10 inch
Recommended maximum overhang (OHX)	Approx. 27.1 inch
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)	2.5 inch
Functional length (LF)	31.9 inch
Body material	Steel
Weight of item	16.4 kg
Recommended clamping length	7.5 inch (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 60      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

9xD DOC = 0.5mm

Speed	Feed		
	0.10	0.15	0.20
200	1.43	2.45	3.77

10xD DOC = 0.5mm

Speed	Feed		
	0.10	0.15	0.20
200	1.70	2.63	3.90

11xD DOC = 0.5mm

Speed	Feed		
	0.10	0.15	0.20
200	NA	NA	NA

\* 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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