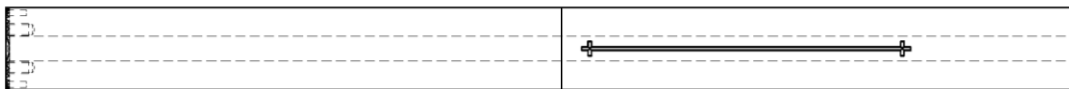


# STMD STMD M12-144

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)	Price USD	Price EUR
12	144	\$ 496	€ 446

## Description:

STMD turning tool holder

## Supplied with:

Insex screws M2X8, 3 pcs  
Allen wrench, 1 pcs

## Note:

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






## Technical data

Adaptive interface machine direction	12
Adaptive interface workpiece direction	SL12
No clamping region (S)	52 mm
Recommended maximum overhang (OHX)	Approx. 96 mm
Coolant entry form	Axial concentric
Coolant exit form	3C – axial and periphery
Max coolant pressure	70 bar
Alignment aid property	Central groove
Connection diameter (DCON)	12 mm
Functional length (LF)	144 mm
Body material	Carbide reinforced steel
Weight of item	0.18 kg
Recommended clamping length	36 mm (3XD)
Method of cutting off	EDM Wire cutting

# Quality / Product performance reference\*

<b>Depth of cut:</b>	0.5 mm	<b>Nose radius:</b>	0.4 mm
<b>Cutter head:</b>	MAQ SDUCR 16	<b>Cutting insert:</b>	DCMT 070204
<b>Coolant:</b>	On	<b>Workpiece material:</b>	34 CrNiMo, HRC 28-30
<b>Units:</b>	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				
200					
150					

8xD DOC = 0.5mm

Speed	Feed	0.05**	0.10	0.15	0.20
	300				
200					
150					

9xD 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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