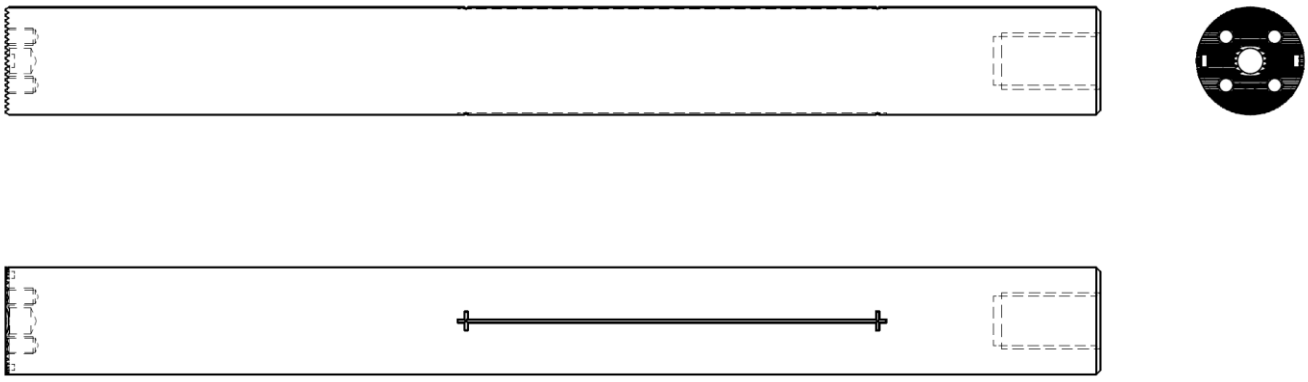
STMD STMD M16-170

Vibration damped turning tool holder – modular



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Price and dimensions

More technical data on page 2

Diameter (mm)	Length (mm)		
16	170		

Description:

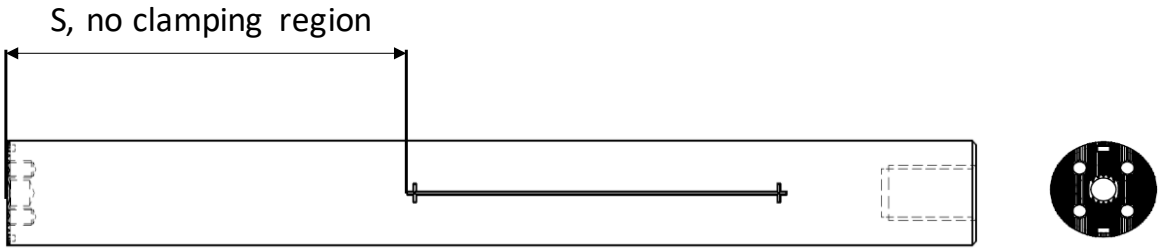
STMD turning tool holder

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 bellow.
Maximum cutting depth (To be updated) mm



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STEP

DWG

Technical data

Adaptive interface machine direction	**16**
Adaptive interface workpiece direction	**SL16**
No clamping region (S)	**70 mm**
Recommended maximum overhang (OHX)	**Approx. 110 mm**
Coolant entry form	**Axial concentric**
Coolant exit form	**3C – axial and periphery**
Coolant entry thread size	**G ¼**
Max coolant pressure	**70 bar**
Alignment aid property	**Central groove**
Connection diameter (DCON)	**16 mm**
Functional length (LF)	**170 mm**
Body material	**Steel**
Weight of item	**0.25 kg**
Recommended clamping length	**48 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 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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