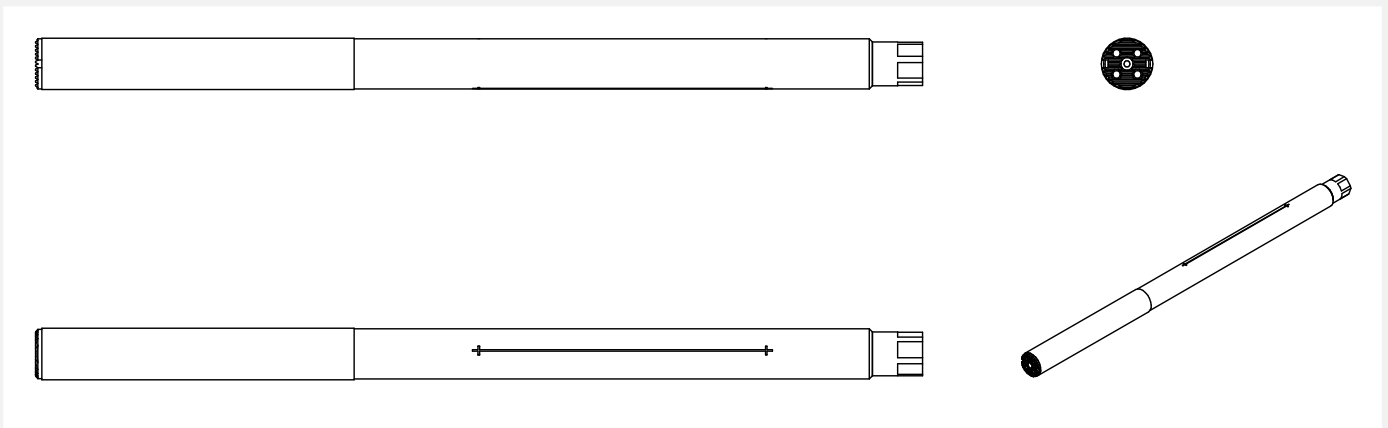


STMD STMD M20-340

Vibration damped turning tool holder – Modular



Price and dimensions

More technical data on page 2

Diameter (mm)	Length (mm)	Workable length (mm)
20	340	220-300

Description:

STMD turning tool holder

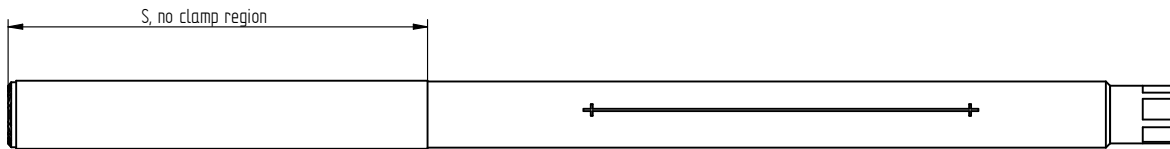
Supplied with:

Head screws M3 DIN912	3 pc
Allen wrench	1 pc
Coolant adapter M12x1 – G 1/4	1 pc

Note:

Cylindrical shank without clamping feature.
With central groove for alignment.
Application ranges – 11-15 xD
Refer to product performance datasheet below.

Maximum cutting force – 1200 N



Download drawing:

STEP

DWG

Technical data

Adaptive interface machine direction	20
Adaptive interface workpiece direction	SL20
No clamping region (S)	118 mm
Maximum overhang (OHX), including cutter head	Approx. 240 mm
Coolant entry form	Axial G ¼ with adapter*
Coolant exit form	3C – central and peripheral
Coolant entry thread size	NA
Max coolant pressure	70 bar
Alignment aid property	Central groove
Connection diameter (DCON)	20 mm
Functional length (LF)	340 mm
Body material	Carbide reinforced steel
Weight of item	1.5 kg
Recommended clamping length	60 mm (3XD)
Method of cutting off	Grinding carbide































- Coolant adapter M16x1 to G ¼

Quality / Product performance reference*

Product: MAQ STMD M20- 340 with SDUCR-20



Test date: 2021-12-22

<u>11XD</u>	 1	 1	 1	 1	 1	 1
<u>12XD</u>	 1	 1	 1	 1	 1	 1
<u>13XD</u>	 1	 1	 1	 1	 1	 1
<u>14XD</u>	 1	 1	 1	 1	 1	 1
<u>15xD</u>	 1	 1	 1	 1	 1	 1
Overhang / Feed (mm/rev)	<u>0.12</u>		<u>0.15</u>		<u>0.20</u>	
Theoretical surface Ra (µm)	<u>1.2</u>		<u>2.60</u>		<u>4.63</u>	

Depth of cut: 0.5 mm

Cutting insert:

DCMT 11T304-FP P25C


Workpiece: 4340 Steel HRC 30


Cutting Speed: 200 m/min


Nose radius: 0.4 mm

Cutting condition: Wet

Vibration level:

1: No vibration 

2: Acceptable 

3: Strong vibration 

Surface finish: 

1: Good

2: Acceptable

3: Not acceptable

* 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)