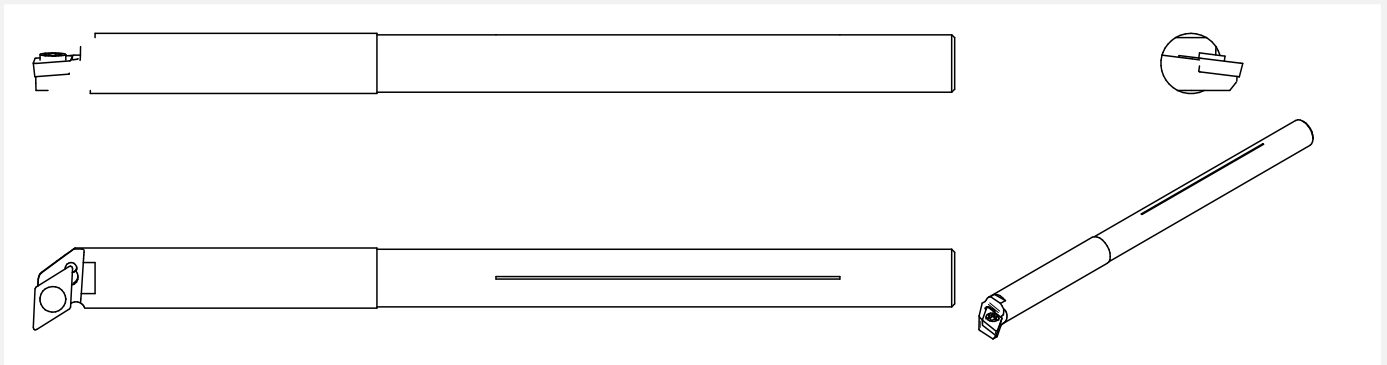


STMD STMD M10-150 SDUCR

Vibration damped turning tool holder – Monoblock



Dimensions

More technical data on page 2

Diameter (mm)	Length (mm)	Workable length (mm)
10	150	70-110

Description:

STMD turning tool holder

Supplied with:

Insert screws M2.5	1 pc
Insert screw key	1 pc

Note:

Cylindrical shank without clamping feature.
With central groove for alignment.
Application ranges – 7-11 xD
Refer to product performance datasheet below.

Maximum cutting force – 360 N



Download drawing:

STEP

DWG

Technical data





































Adaptive interface machine direction	10
Adaptive interface workpiece direction	DCMT 0702XX
No clamping region (S)	62 mm
Maximum overhang (OHX), including cutter head	Approx. 120 mm
Coolant entry form	NA
Coolant exit form	NA
Coolant entry thread size	NA
Max coolant pressure	NA
Alignment aid property	Central groove
Connection diameter (DCON)	10 mm
Functional length (LF)	160 mm
Body material	Carbide reinforced steel
Weight of item	0.2 kg
Recommended clamping length	30 mm (3XD)
Method of cutting off	Grinding carbide

Quality / Product performance reference*




Product: MAQ STMD M10- 150 SDUCR (Reference)




Test date: 2021-12-22

<u>7XD</u>	 1	 1	 1	 1	 1	 1
<u>8XD</u>	 1	 1	 1	 1	 1	 1
<u>9XD</u>	 1	 1	 1	 1	 1	 1
<u>10XD</u>	 2	 2	 1	 1	 1	 1
<u>11xD</u>	 2	 2	 1	 1	 1	 1
<u>12xD</u>	 2	 2	 1	 1	 1	 1
Overhang / Feed (mm/rev)	<u>0.10</u>		<u>0.15</u>		<u>0.20</u>	
Theoretical surface Ra (µm)	<u>1.20</u>		<u>2.60</u>		<u>4.63</u>	

Depth of cut: 0.2 mm
 Cutting insert:
DCMT 070204-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)