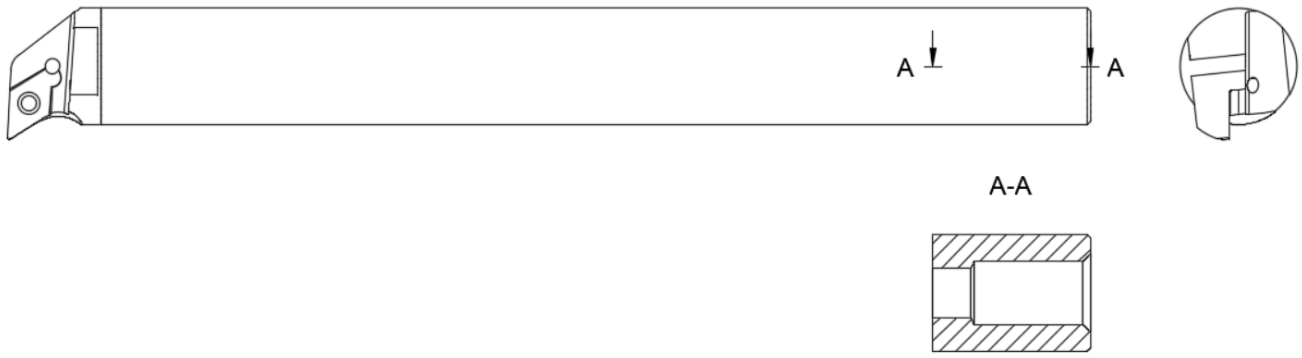
STMD M20-160 SDUCR

Vibration damped turning tool holder – Solid Body



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Price and dimensions

More technical data on page 2

Diameter (mm)	Length (mm)	Price USD	Price EUR
20	160	$ 430	€ 387

Description:

STMD turning tool holder

Supplied with:

insert
Insert key

Note:

Cylindrical shank without clamping feature.
With central groove for alignment.
Recommended application ranges up to 6XD
Reference product performance datasheet bellow.
Maximum cutting depth (To be updated) mm.

Download drawing

STEP

DWG

Technical data

Adaptive interface machine direction	20 mm
No clamping region (S)	45 mm
Recommended maximum overhang (OHX)	Approx. 120 mm
Coolant entry form	Axial concentric
Coolant exit form	1C – Axial
Coolant entry thread size	G ¼
Max coolant pressure	70 bar
Alignment aid property	Flat surface on cutter head
Connection diameter (DCON)	20 mm
Functional length (LF)	160 mm
Body material	Steel
Weight of item	0.4 kg
Recommended clamping length	60 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 20	**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

4xD DOC = 0.5mm

Speed \ Feed	0.10	0.15	0.20
200	0.76	1.44	2.74

5xD DOC = 0.5mm

Speed \ Feed	0.10	0.15	0.20
200	0.90	1.80	3.09

6xD DOC = 0.5mm

Speed \ Feed	0.10	0.15	0.20
200	0.94	1.74	2.66

(RA) = Arithmetic Average of the roughness profile (µm)

** The actual product performance is dependent on the rigidity of the clamping methods, and the table is used as reference*

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