

# STMD STMD i3/8-5.9-SCLCR

Vibration damped turning tool holder – Solid body



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# Price and dimensions

More technical data on page 2

Diameter (inch)	Length (inch)		
0.375	5.9		

## Description:

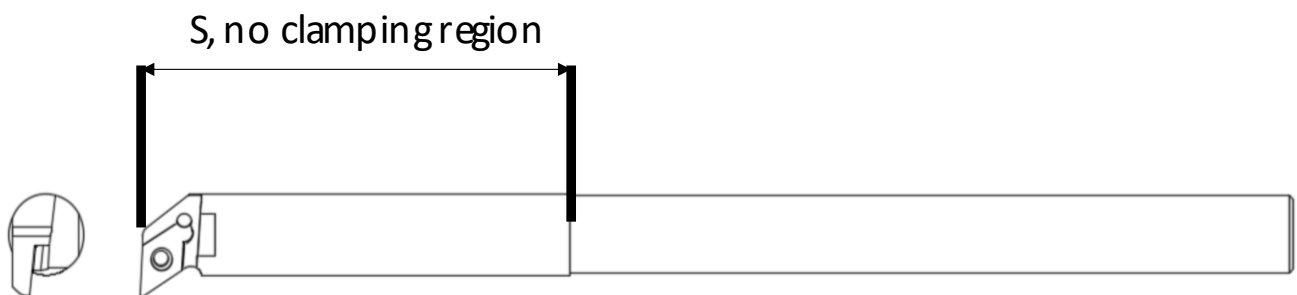
STMD turning tool holder

## Supplied with:

Insert key

## Note:

Cylindrical shank without clamping feature.  
Recommended application range up to 10XD  
Refer to product performance datasheet below.  
Maximum cutting depth (To be updated) mm.



Download drawing




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## Technical data

Adaptive interface machine direction	<b>0.375 inch</b>
No clamping region (S)	<b>2.6 inch</b>
Recommended maximum overhang (OHX)	<b>Approx. 3.95 inch</b>
Coolant form	<b>External coolant required</b>
Alignment aid property	<b>Flat surface on cutterhead</b>
Connection diameter (DCON)	<b>0.375 inch</b>
Functional length (LF)	<b>5.9 inch</b>
Body material	<b>Carbide reinforced steel</b>
Weight of item	<b>0.15 kg</b>
Recommended clamping length	<b>1.125 inch (3XD)</b>
Method of cutting off	<b>EDM Wire cutting</b>

## Quality / Product performance reference\*

		
Quiet with good/medium surface quality	Slight to medium vibrations with medium to bad surface quality	Strong vibrations / Insert broken

## Surface finish (Ra) table

Feed rate Set up	0.10 mm/rev	0.15 mm/rev	0.20 mm/rev
7xD	Ra 1.28 μm	Ra 1.48 μm	Ra 1.79 μm
8xD	Ra 1.30 μm	Ra 1.34 μm	Ra 1.84 μm
9xD	Ra 1.8 μm	Ra 1.52 μm	Ra 1.97 μm
10xD	NA	Ra 1.92 μm	Ra 2.43 μm

**Tool:** STMD M10-150 SDUCR  
**Cutting insert:** DCMT 070204-FP  
**Depth of cut:** 0.25 mm  
**Cutting Speed:** 250 m/min  
**Nose radius:** 0.4 mm  
**Workpiece:** 34 CrNiMo. HRC28-30  
**Coolant:** on

(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

\*\* 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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