

# STMD STMD M10-150

Vibration damped turning tool holder – Solid body



**MAQ AB**

[www.maqab.com](http://www.maqab.com) | [info@maqab.com](mailto:info@maqab.com)

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# Price and dimensions

More technical data on page 2

| Diameter (mm) | Length (mm) | Price USD | Price EUR |
|---------------|-------------|-----------|-----------|
| 10            | 150         | \$ 448    | € 403     |

## Description:

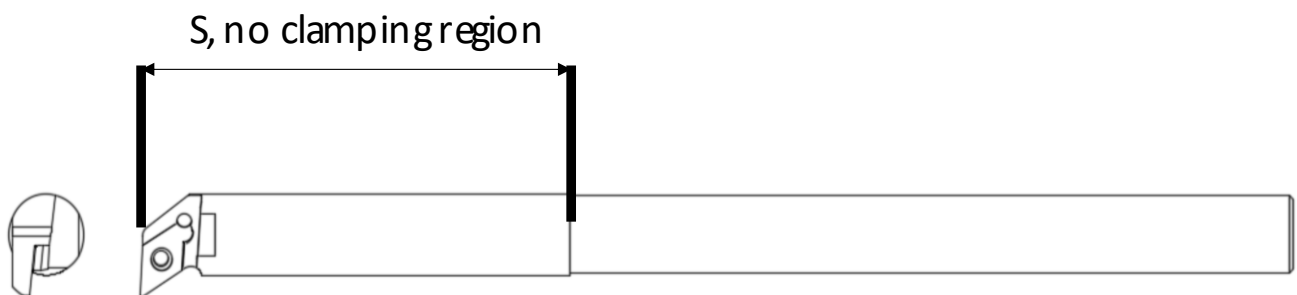
STMD turning tool holder

## 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

 CAD




 STEP

 DWG

## Technical data

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Adaptive interface machine direction | <b>10</b>                         |
| No clamping region (S)               | <b>65 mm</b>                      |
| Recommended maximum overhang (OHX)   | <b>Approx. 100 mm</b>             |
| Coolant form                         | <b>External coolant required</b>  |
| Alignment aid property               | <b>Flat surface on cutterhead</b> |
| Connection diameter (DCON)           | <b>10mm</b>                       |
| Functional length (LF)               | <b>160 mm</b>                     |
| Body material                        | <b>Carbide reinforced steel</b>   |
| Weight of item                       | <b>0.15 kg</b>                    |
| Recommended clamping length          | <b>30 mm (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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