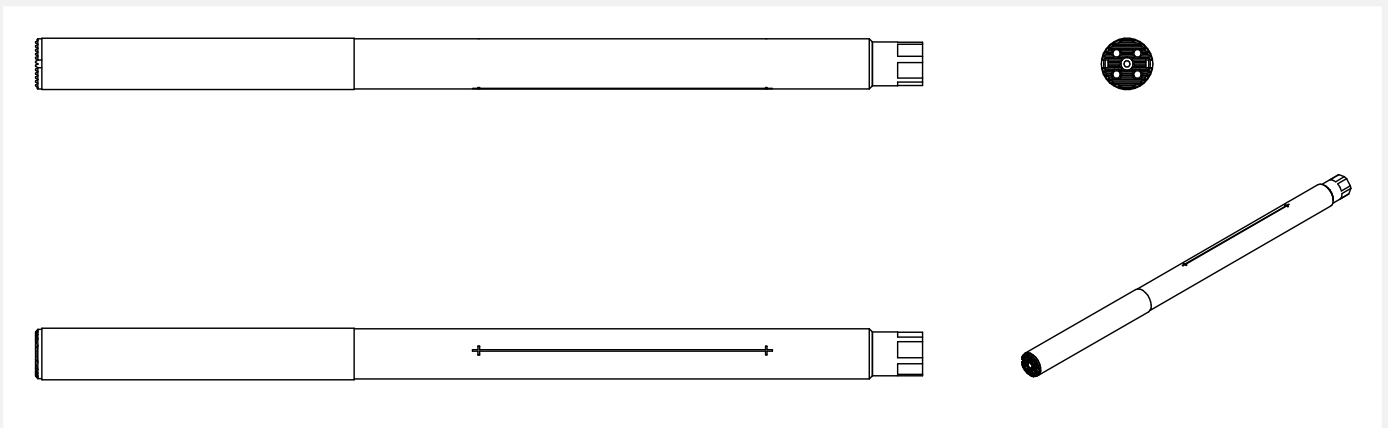


STMD STMD M16-268

Vibration damped turning tool holder – Modular



Price and dimensions

More technical data on page 2

| Diameter (mm) | Length (mm) | Workable length (mm) |
|---------------|-------------|----------------------|
| 16 | 268 | 176-240 |

Description:

STMD turning tool holder

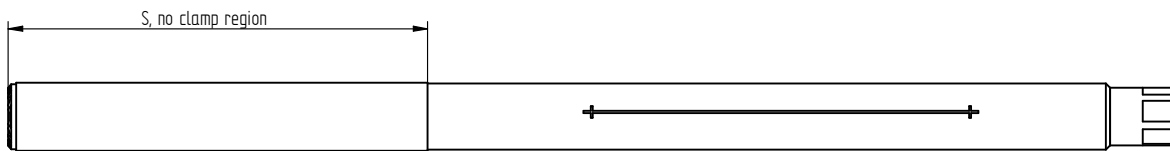
Supplied with:

| | |
|-------------------------------|------|
| Head screws M3 DIN912 | 3 pc |
| Allen wrench | 1 pc |
| Coolant adapter M12x1 – G 1/8 | 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 – 1000 N



Technical data































| | |
|---|-----------------------------|
| Adaptive interface machine direction | 16 |
| Adaptive interface workpiece direction | SL16 |
| No clamping region (S) | 102 mm |
| Maximum overhang (OHX), including cutter head | Approx. 240 mm |
| Coolant entry form | Axial G 1/8 |
| 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) | 16 mm |
| Functional length (LF) | 268 mm |
| Body material | Carbide reinforced steel |
| Weight of item | 2 kg |
| Recommended clamping length | 48 mm (3XD) |
| Method of cutting off | Grinding carbide |

Quality / Product performance reference*

Product: MAQ STMD M16- 268 with SDUCR-16



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: 0.25 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)