



## Linear Stage 5101.05

- compact linear stage for the positioning of light samples or mountings
- multi-axis positioning systems possible by simple combination of stages
- wear resistant delta bronze spindle nut
- especially suitable for the adjustment of slit screens of the series 3000
- grounded and tempered thread spindle (self-locking)
- robust surfaces through galvanic natural-anodising treatment

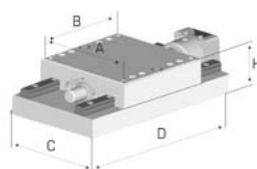
## Maximum load:

|                        |                                    |
|------------------------|------------------------------------|
| $F_x$ [N]:             | 50                                 |
| $F_y$ [N]:             | 50                                 |
| $F_{z\uparrow}$ [N]:   | 50                                 |
| $F_{z\downarrow}$ [N]: | 50                                 |
| $\Sigma F$ [N]:        | ( $\leq$ ) 50                      |
| $M_x$ [Nm]:            | 4 [ $=F_y \times (z+0.010)$ ] **   |
| $M_y$ [Nm]:            | 5.5 [ $=F_x \times (z+0.010)$ ] ** |
| $M_z$ [Nm]:            | 4                                  |
| $\Sigma M$ [Nm]:       | ( $\leq$ ) 6                       |

\*\* z: distance from mounting surface to centre of gravity of load [m]

\* adaptor required: M301.301-001

## Dimensions [mm]:



|    |    |    |    |    |
|----|----|----|----|----|
| A: | B: | C: | D: | H: |
| 43 | 30 | 43 | 88 | 29 |

## Specifications:

|                        |           |
|------------------------|-----------|
| Travel range [mm]:     | 30*       |
| Material (base/slide): | Aluminium |

|                                 |      |
|---------------------------------|------|
| Spindle pitch [mm]:             | 1    |
| Max. load $F_z \downarrow$ [N]: | 50   |
| Min. drive torque [Nm]:         | 0.02 |
| Weight [kg]:                    | 0.25 |

\* optional: extended or shortened travel range

online 3D available in main image on the left

