

# Micro Rotation Stage

7R128



7R128



2AB111-128



2AB111-128

**Micro Rotation Stage 7R128** is a compact **360°** rotation platform.

Using a fine screw it's possible to rotate the platform precisely. Pitch of the screw is **0.25 mm**.

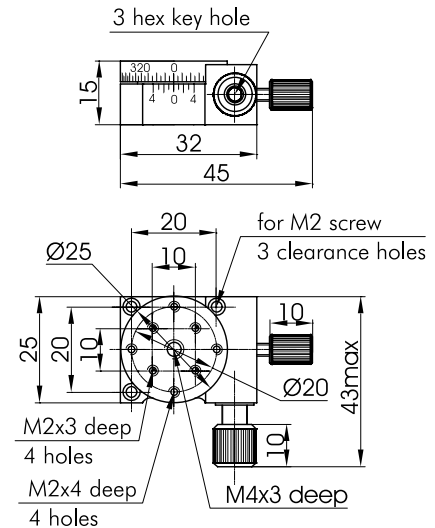
Vernier can be read to **1°**.

Using **M2** screws and an angle bracket **2AB128**, this compact stage may be attached to other **micro stages** (like **7T128**). **Other angle brackets** are available in order to attach the stage to **other units**, for example to **5OM111**.

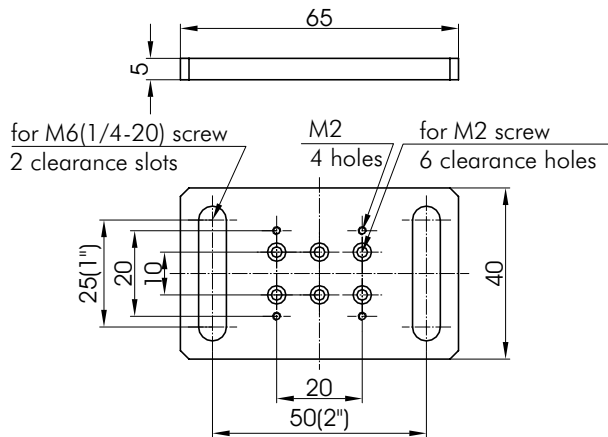
The stage is produced from black anodized aluminium.

## SPECIFICATIONS

|                  |                          |
|------------------|--------------------------|
| Rotation range   | 360° coarse;<br>15° fine |
| Reading accuracy | 1°                       |
| Sensitivity      | 0.5 arcmin.              |
| Wobble           | 1 arcmin.                |
| Load capacity    |                          |
| Horizontal       | 0.1 kg                   |
| Vertical         | 0.1 kg                   |
| Weight           | 0.05 kg                  |



7R128-9S35-5BL  
(with mini micrometer  
9S35-5BL installed)



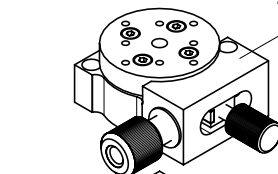
**3BP7T128** base plate  
for stacking the translation stages **7T128**,  
**7T228T** and rotation stage **7R128** to **STANDA**  
optical tables or to another stages.



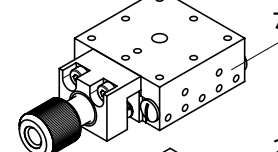
*Motorized version  
8MR128 available*



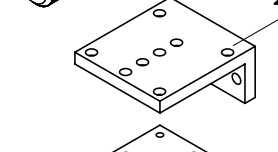
7R128



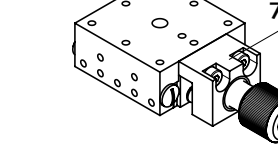
7T128



2AB128



7T128



7R128  
stacked on 7T128XY

## Micro Translation Stage

## 7T128

- Compact design
- Precision movement
- 5 mm travel range
- Precision ball bearings



top view



bottom view

7T128



7T128XY

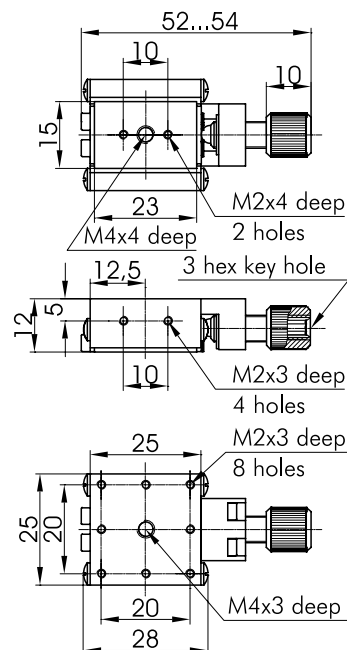
**Micro Translation Stage 7T128** provides smooth, precise single axis movement.

**M2** and **M4** mounting holes are provided.

Material: black anodized aluminium.

### SPECIFICATIONS

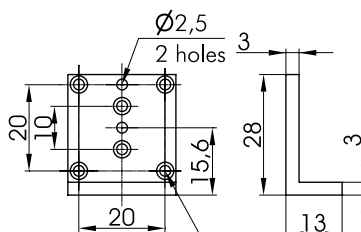
|                   |           |
|-------------------|-----------|
| Travel range      | 5 mm      |
| Sensitivity       | 1 $\mu$ m |
| Tracking accuracy | 2 $\mu$ m |
| Load capacity:    |           |
| Horizontal        | 0.5 kg    |
| Vertical          | 0.2 kg    |
| Weight            | 0.04 kg   |



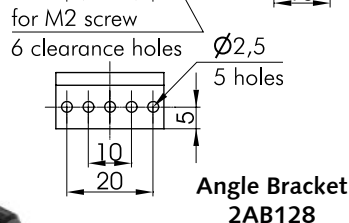
Angle brackets 2AB128 allow to stack the stages for **X-Y-Z** motion.



2AB128



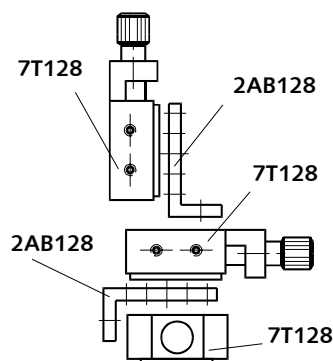
7T128XY



Angle Bracket 2AB128



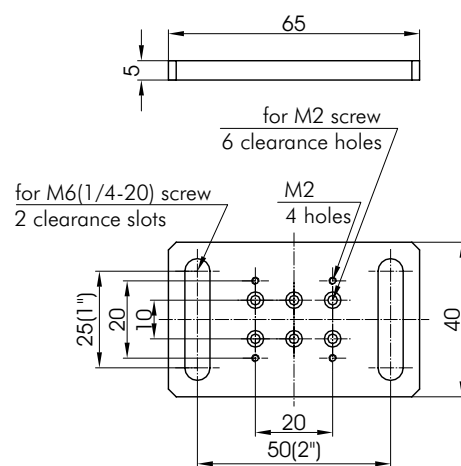
7T128XYZ



usage of angle bracket 2AB128



7T128 - 9S35-5BL  
(with mini micrometer 9S35-5BL installed)



**3BP7T128 base plate**  
for stacking the translation stages 7T128, 7T228T and rotation stage 7R128 to STANDA optical tables or to another stages.

# XZ Micro Translation Stage of Side Regulation

**7T228T**

- Ultra Compact configuration
- Precise rectilinear movement
- 4 mm X-Z or X-Y travel range
- Precision ball bearings

So it is ideally suited for use as a **holder of diaphragms**.

The base and the platform are made of black anodized aluminium.

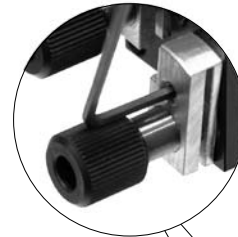

**7T228T**

**7T228T – 9S35M-5BL**  
(with mini micrometer 9S35M-5BL installed)

**XZ Micro Translation Stage 7T228T** provides smooth, precise two axis movement.

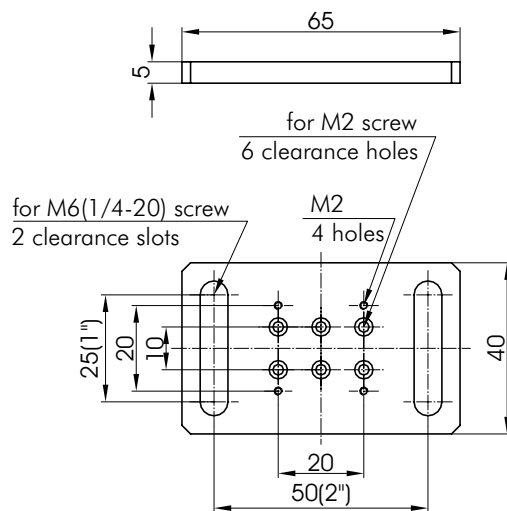
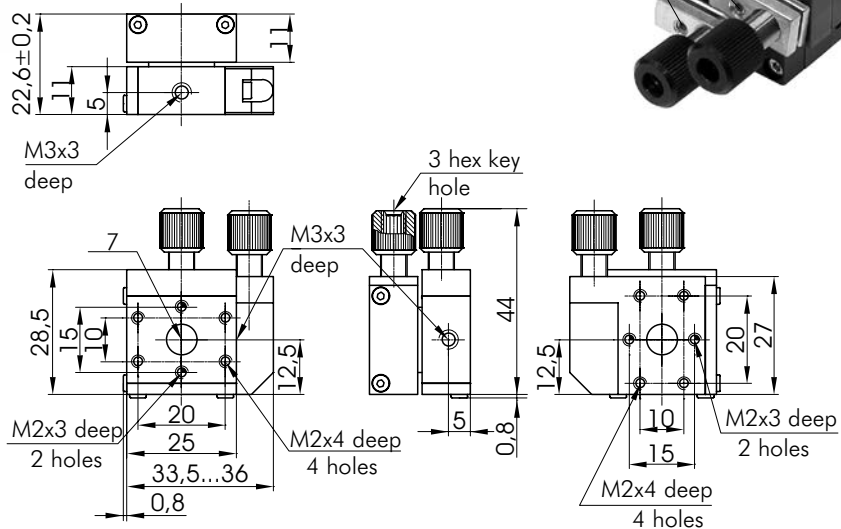
The driving screws are positioned so that the unit is **controlled only from one side**.

The **travel** of this stage is **4 mm** with **sensitivity of 5 µm**. To mount components on it, **M2** tapped holes are provided. The unit has a clear **aperture of Ø7**.


**7T228TL**  
lockable version

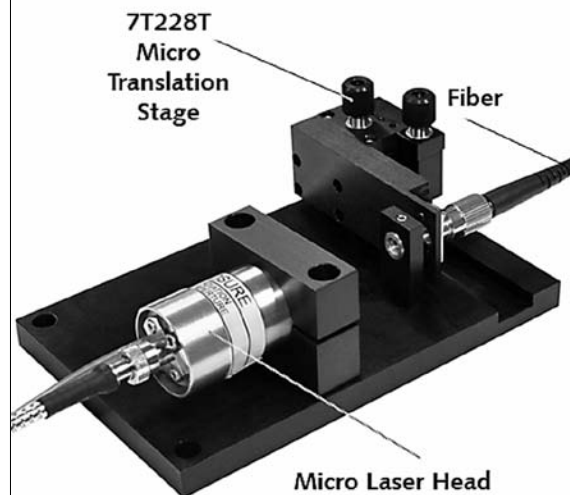

## SPECIFICATIONS

|                   |         |
|-------------------|---------|
| Travel range      | 4 mm    |
| Sensitivity       | 1 µm    |
| Tracking accuracy | 2 µm    |
| Load capacity:    |         |
| Horizontal        | 0.3 kg  |
| Vertical          | 0.1 kg  |
| Weight            | 0.06 kg |



**3BP7T128 base plate**  
for stacking the translation stages  
**7T128, 7T228T** and rotation stage **7R128**  
to STANDA optical tables or to another stages.

## example of 7T228T application



Example of Fiber coupling assembly

