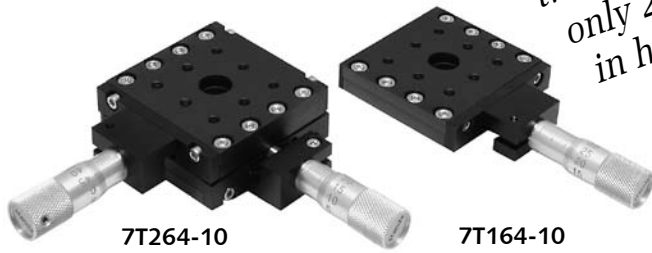


# Ultra Low Profile STEEL Translation Stages Single and Two-Axis

## 7T164-10 • 7T264-10



two axis stages  
only 20 mm  
in height !

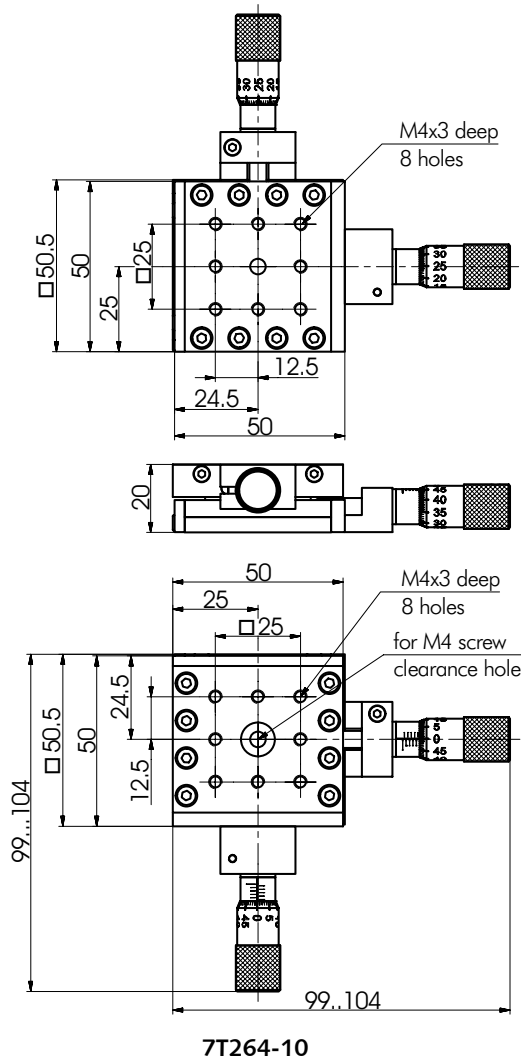
- Only 20 mm in height
- Compact X-Y configuration
- Exceptionally precise orientation of axes at 90°
- Precision movement
- 10 mm travel range
- Precision ball bearings

**Ultra Low Profile Steel Two Axis 7T264-10 and Single Axis 7T164-10 Translation Stages.** The height of single axis translation stage is **10.5 mm**, and of two axis translation stage – **20 mm**. To match the low height of the stages **Thin Micrometers 9S55-10** with small knob diameter (13 mm) are used as driving screws.

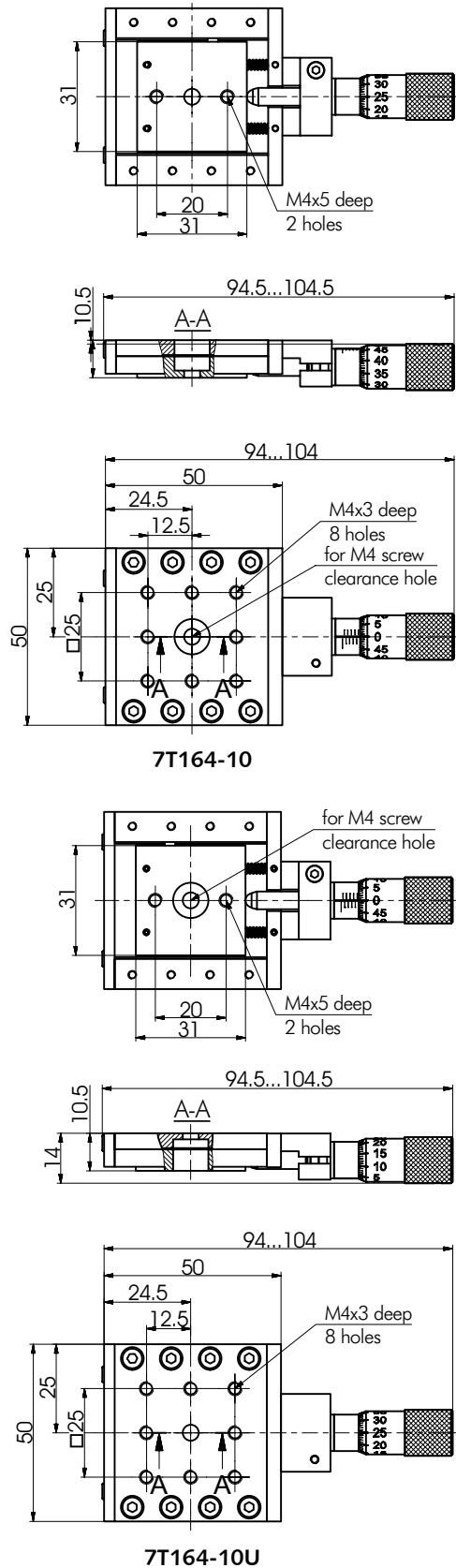
### SPECIFICATIONS

|                   |                                        |
|-------------------|----------------------------------------|
| Travel range      | 10 mm                                  |
| Sensitivity       | 1 $\mu$ m                              |
| Tracking accuracy | 2 $\mu$ m                              |
| Reading accuracy  | 5 $\mu$ m<br>( $\frac{1}{2}$ division) |
| Load capacity:    |                                        |
| Horizontal        | 6 kg                                   |
| Vertical          | 3 kg                                   |
| Weight:           |                                        |
| 7T164-10          | 0.14 kg                                |
| 7T264-10          | 0.34 kg                                |
| 7T264-10U         | 0.34 kg                                |

Ordering information on the 7-17 page.



7T264-10



7T164-10

7T164-10U

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standa

## Low Profile Two-Axis Aluminium Translation Stage

**7T273-10**



- Compact X-Y configuration
- Exceptionally precise orientation of axes at 90°
- Precision movement
- 10 mm travel range
- Precision ball bearings
- Perpendicular and side control configuration

### Low Profile Two-Axis Aluminium Translation Stage

**7T273-10** provides smooth, precise, X-Y axis movement.

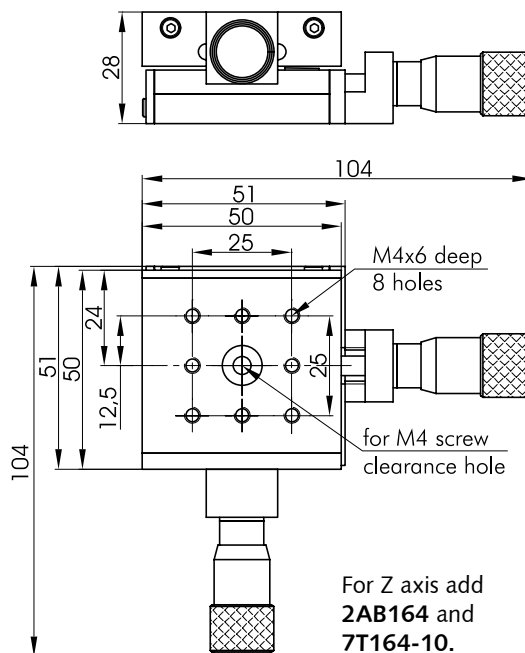
The travel of this Stage is **10 mm** with resolution **10 µm**.

Eight **M4** tapped holes are provided in order to mount other components. It can be directly mounted to breadboards and other equipment from Standa by use of mounting holes **Ø4.5 mm** and **M4**.

The base and the platform are produced from the black anodized aluminium.

### SPECIFICATIONS

|                   |              |
|-------------------|--------------|
| Travel range      | 10 mm        |
| Sensitivity       | 1 µm         |
| Tracking accuracy | 2 µm         |
| Reading accuracy  | 5 µm         |
|                   | (½ division) |
| Load capacity:    |              |
| Horizontal        | 15 kg        |
| Vertical          | 5 kg         |
| Weight            | 0.38 kg      |



**7T273-10**



**3UBP-04** universal base plate for stacking the translation stages to STANDA optical tables or to another stages. **Page 3-6**

## Low Profile Two-Axis Aluminium Translation Stage of Side Control

**7T273-10T**

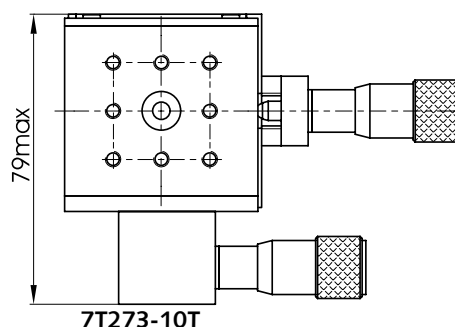


*A rare opportunity to control  
an X-Y translation stage from one side!  
Try it and feel the advantage!*

**Translation Stage 7T273-10T.** For your convenience we have rotated by **90°** the driving screw for **X** axis. Now it sits parallel to the other screw (for **Y** axis). So the stage is controlled from a single side. This helps in optical schemes of great concentration.

In other respects, including the **specifications**, the stage is the same as **7T273-10**.

**Weight – 0.38 kg**



**7T273-10T**

Other dimensions such as **7T273-10**

