

**860-0020 • 860-0030**  
**860-0040 • 860-0050**

**PRECISION TRANSLATION STAGES**

The models 860-0020, 860-0030, 860-0040, 860-0050 precision translation stages provide smooth and precise platform movement along one axis. They feature precision ball bearing construction, with hardened balls rolling between opposing pairs of hardened, polished steel rods. Carefully selected springs ensure preloading against the actuator tip to eliminate backlash. Four models of precision translation stages provide a real choice for wide range of applications.

Universal construction of translation stages allows to construct unit from two or three stages by the help of model 810-0080 or model 810-0090 angle brackets.

For direct mounting of model 860-0020 and 860-0030 stages to the table a use of model 820-0110-04 movable base is recommended, for models 860-0040 and 860-0050 – model 820-0110-02 movable base is used.

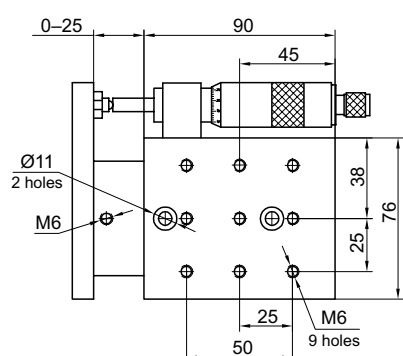
Finish: black oxidized steel.



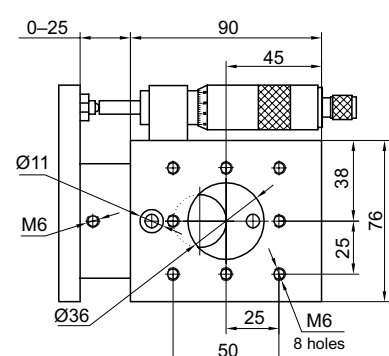
**860-0020** on base plate **820-0110-04**



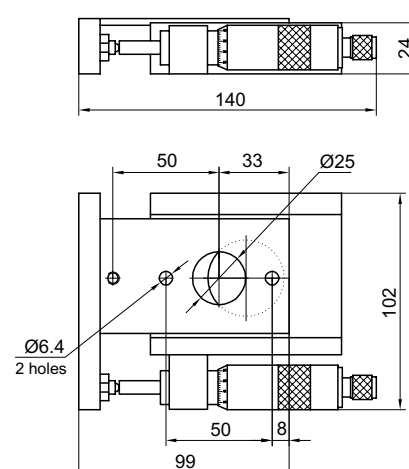
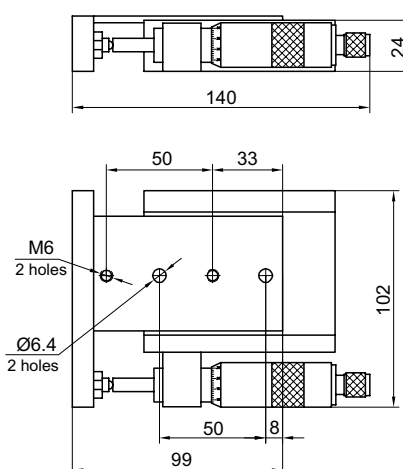
**860-0030** on base plate **820-0110-04**



**860-0020**



**860-0030**



**SPECIFICATIONS**

|                                               |           |
|-----------------------------------------------|-----------|
| Max. stage travel, mm                         | 25        |
| Resolution, $\mu\text{m}$                     | 2         |
| Angular deviation (any axis), $\mu\text{rad}$ | $\pm 200$ |
| Max. straightness, $\mu\text{m}$              | $\pm 3$   |
| Max. loading capacity, kg                     | 30        |

**Complementary Products**

| Code               | Page |
|--------------------|------|
| <b>810-0080</b>    | 8.25 |
| <b>810-0090</b>    | 8.25 |
| <b>820-0110-02</b> | 8.35 |
| <b>820-0110-04</b> | 8.35 |

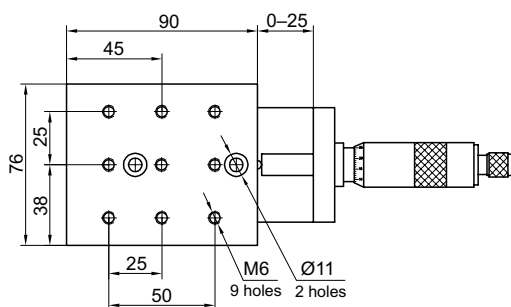
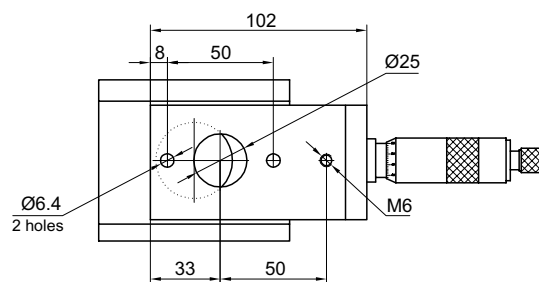
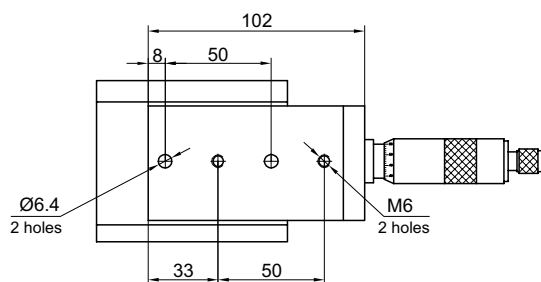
| Code            | Clear aperture | Drive position | Weight, kg | Price, EUR |
|-----------------|----------------|----------------|------------|------------|
| <b>860-0020</b> | no             | side           | 1.72       | 196        |
| <b>860-0030</b> | yes            | side           | 1.59       | 203        |
| <b>860-0040</b> | no             | end            | 1.64       | 189        |
| <b>860-0050</b> | yes            | end            | 1.51       | 196        |



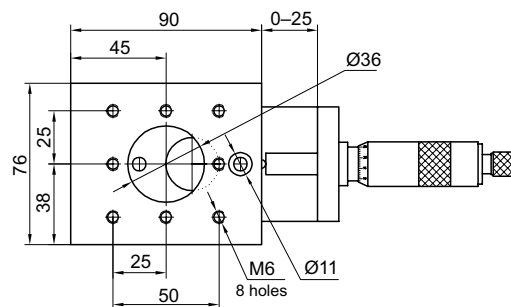
**860-0040 on base plate 820-0110-02**



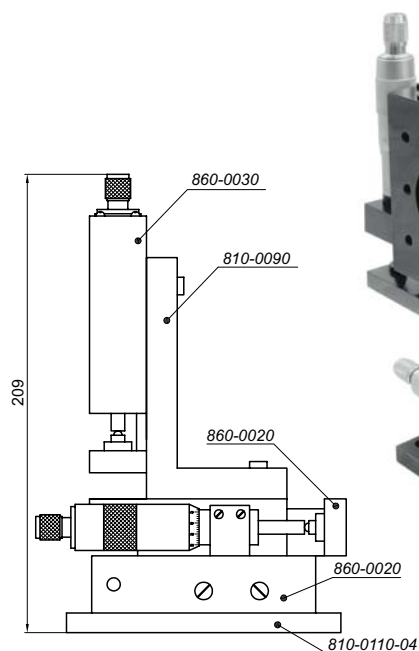
**860-0050 on base plate 820-0110-02**



**860-0040**



**860-0050**



Total height of XYZ stage is 209 if connecting angle bracket is 810-0090.  
Total height of XYZ stage is 224 if connecting angle bracket is 810-0080.

