

## OMUS Series Stainless Steel Kinematic Mirror Mount



### Brief Introduction:

The OMUS series represents Zolix's premium line of stainless steel kinematic mirror mount.

### Features:

- High versatility: the main body is made of stainless steel, able to work in vacuum environment.
- Four pulling springs, more uniform pulling force.
- High sensitivity 0.2 mm pitch super-fine thread pairs for 3D adjustment and higher sensitivity.
- Dual fixing mechanism: a specially designed elastic ring prevents lens deformation caused by locking screws or rigid fixing. Alternatively, the elastic ring can be removed, allowing the lens to be secured using the side elastic plate.
- Dual adjustment: thumb wheels or hexagon spanners.
- With M4 and M6 mounting holes.

### Details of product



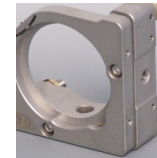
Double mounting method: shrapnel and top screw



Threaded auxiliary locking mechanism and internal hexagon at the rear end



Standard handwheel with hexagon

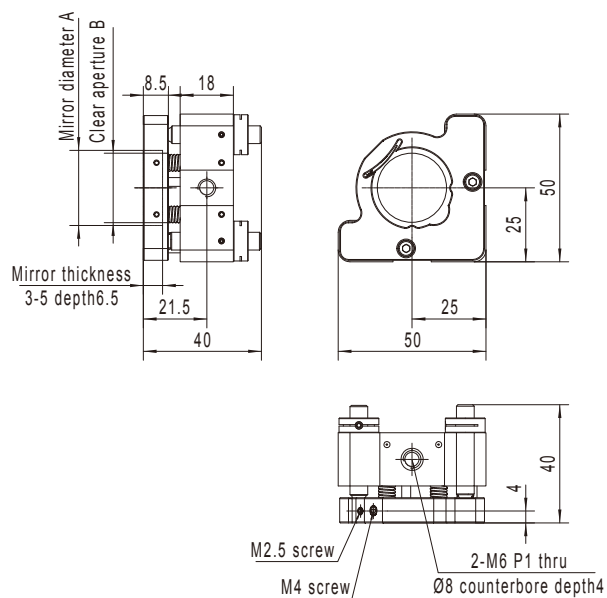
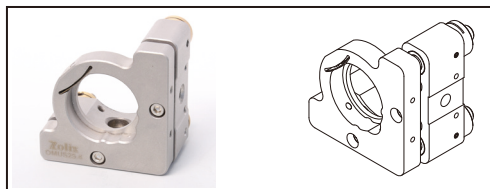


Front and rear plate locking mechanism

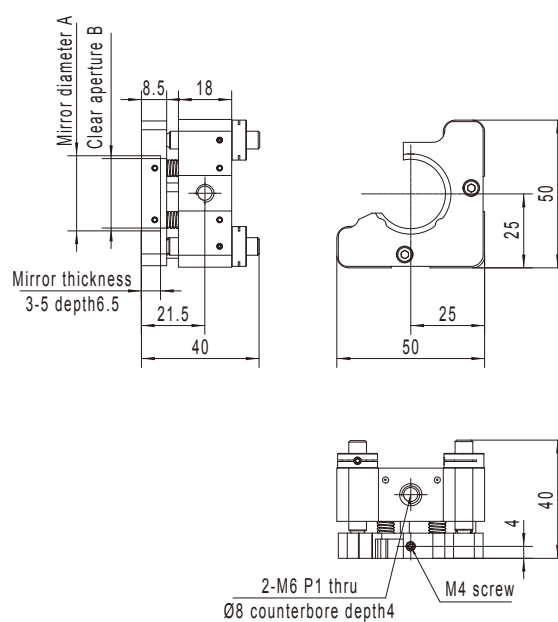
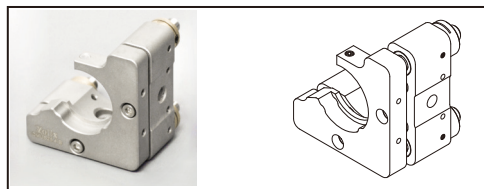
### Selection table:

| Model                                            | OMUS12.7(-B)                   | OMUS20(-B)          | OMUS25.4(-B) | OMUS38.1(-B) | OMUS50.8(-B) |
|--------------------------------------------------|--------------------------------|---------------------|--------------|--------------|--------------|
| Optic Size A(mm)                                 | Ø12.5/Ø12.7                    | Ø20                 | Ø25/Ø25.4    | Ø38.1        | Ø50/Ø50.8    |
| Optic Edge Thickness (mm)                        | 3~5                            |                     |              |              |              |
| Angular Range(°)                                 | ±3                             |                     |              |              |              |
| Travel Range (Z axis)(mm)                        | MAX6                           |                     |              |              |              |
| Clear Aperture(mm)                               | 11                             | 18                  | 23.5         | 35           | 47           |
| Optical Axis Height(mm)                          | 14                             | 25                  | 25           | 30           | 35           |
| Resolution: angular adjustment per revolution(°) | ≈0.56                          | ≈0.32               | ≈0.32        | ≈0.25        | ≈0.2         |
| Main Body Material and Surface Treatment         | Stainless steel, sand blasting |                     |              |              |              |
| Thickness of The Fixed Plate(mm)                 | 12                             | 18                  | 18           | 18           | 18           |
| Number of Pulling Spring                         | 2                              | 4                   |              |              |              |
| Locking Mechanics                                | Yes                            | Yes, dual lock      |              |              |              |
| Mounting Hole                                    | M4                             | M6, Ø8 counter bore |              |              |              |
| Net Weight(g)                                    | 60(60)                         | 250(240)            | 240(230)     | 310(290)     | 360(330)     |

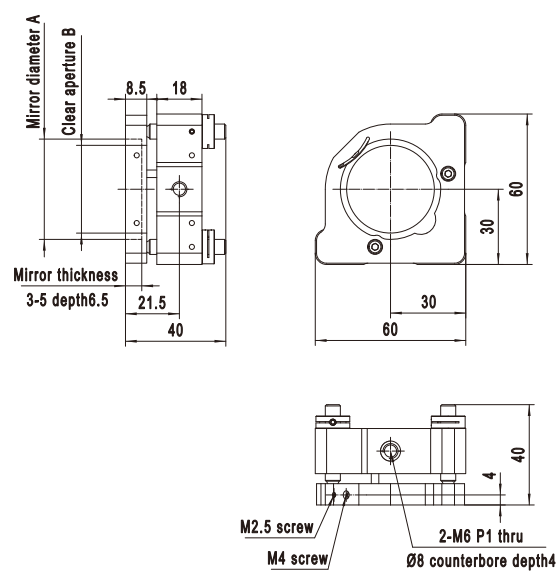
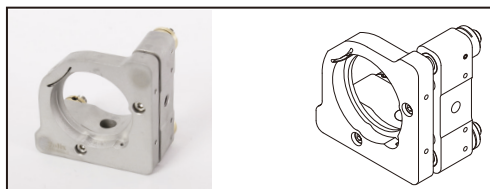
OMUS25.4



OMUS25.4-B



OMUS38.1



OMUS38.1-B

