

840-0093

MINIATURE TILT / ROTATION MOUNT OF SIDE CONTROL

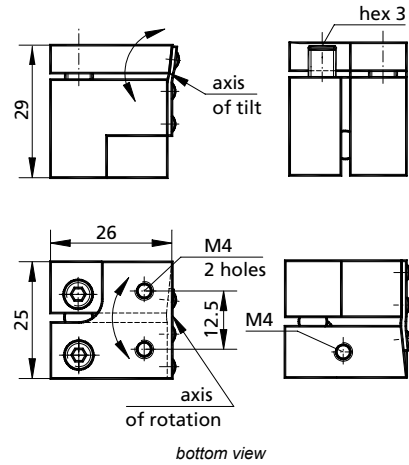


- 6° tilt and in-plane rotation
- Top side drive
- Compact design for dense optical schemes
- Stable design
- Material: black anodized aluminium

Miniature Tilt/Rotation Mount 840-0093 allows to tilt and to rotate a component.

To reduce the footprint and to ease access, both adjustment screws are placed on one side – the top – this saves space in schemes where units are placed densely. A flat spring preloads three main pieces of the mount that make it bend on two separate pivot axes. Mounts of other designs have a common pivot point for all adjustments. The design ensures that both adjustment movements are independent and do not cause mutual distortions. So the adjustment scheme is very close to an ideal kinematic model.

Mounting surface with two M4 holes in the platform is on the same side with the adjustment screws.



Base of the mount has an M4 hole for mounting to other positioners.

The adjustment screws have a pitch of 0.25 mm. Each screw can be driven with a 3 mm hex key.

Code	Tilt range, deg	Rotation range, deg	Sensitivity, arcsec	Weight, kg	Price, EUR
840-0093	6	6	10	0.06	99

840-0096

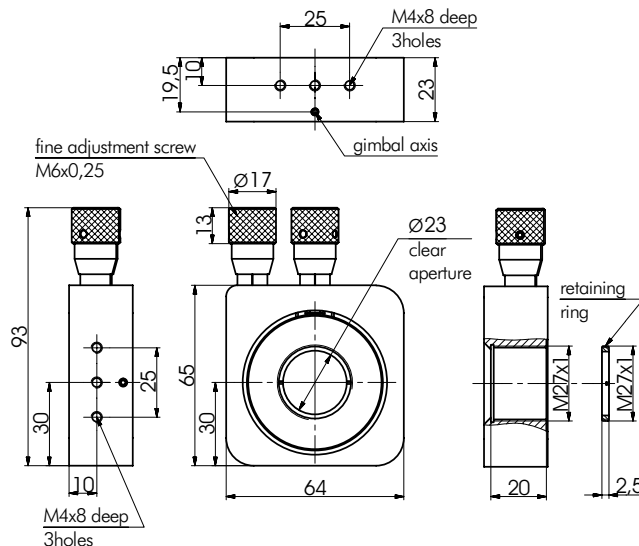
GIMBAL MOUNT



- True Gimbal design
- Adjustment knobs are with engraved scale
- ±2.5° angular range
- Hardened steel drive for stability
- Lightweight aluminium body

Two plastic padding rings and a retaining ring M27×1 to fix the optics are included. A tightening key for the retaining ring is available on request.

Code	Weight, kg	Price, EUR
840-0096	0.06	209



OPTICAL TABLES

BRACKETS & RAILS

BASE MOUNTS & ACCESSORIES

OPTICAL MOUNTS

OPTICAL POSITIONERS

BASE POSITIONERS

TRANSLATION & ROTATION STAGES

ADJUSTMENT SCREWS

MOTORIZED POSITIONERS

Motorized Gimbal Mount 940-0096

SPECIFICATIONS

Optics diameter	25.4 mm
Clear aperture	23 mm
Angular range	±2.5°
Type of actuator	970-0060
Resolution*	
in full step	1.25 µm
in 1/8 step	0.156 µm
Lead screw pitch	0.25 mm
Repeatability	1 µm
Maximum speed	4 mm/s
Cable	1.2 m length cable included
Motor connector	HDB15(M)
Weight	0.7 kg

*Dependence between actuators' movement and angular displacement of optical element is not linear.

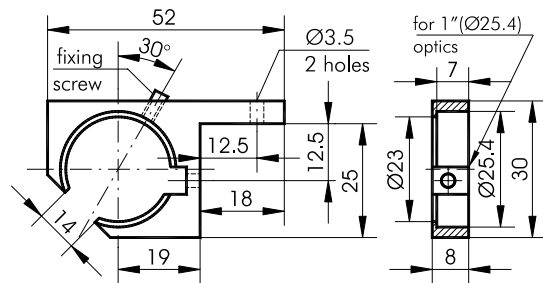


840-0100-A1

ROUND OPTICS ADAPTER



840-0100-A1 may be attached to the platform of 840-0102-T mount on any side. Optics is firmly held by a stainless steel fixing screw, and it rests against two contact lines – the edges of the cut-off corner. The frame doesn't obstruct the view. It allows to work with two beams going very close to each other.



Code	Weight, kg	Price, EUR
840-0100-A1	0.01	21

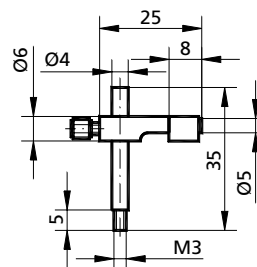


840-0100-A2

MINIATURE CLAMP



Ideal if the mount is used as a tilt platform. It has a fixing screw, and a plastic fastening pad. Allows fastening of optical elements upto 1". The rod has a mounting thread M3. So the clamp combines with any units, which has M3 holes.



Code	Weight, kg	Price, EUR
840-0100-A2	0.01	9.5

