

**Kinematic base composed of a top and bottom plate. The top plate secures holders or other equipment while the bottom plate is fixed to an optical breadboard.**

- Accurate positional repeatability is achieved by matching the holes on the upper plate to the three steel balls embedded in the bottom plate.
- The top plate can be secured with a strong magnet or a knurled set screw depending on the version.
- The top plate of the REP magnetic type series (25×25 mm, 40×40 mm, 60×60 mm) can be quickly removed or swapped out. It has a repeatability value of less than 100µrad.
- Always secure the bottom plate with screws.



Magnet type



Fixed type

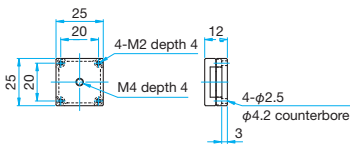


Top Plate only (Left)

## Outline Drawing

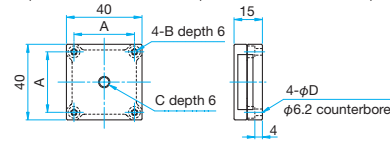
### REP-25

Hexagonal socket head cap screw M2×6...4 screws



### REP-40/40UU

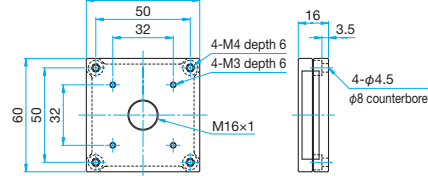
Hexagonal socket head cap screw M3×8...4 screws (40)  
Hexagonal socket head cap screw (stainless steel construction) 6-20UNC×5/16...4 screws (40UU)



Part Number	A (mm)	B	C	φD (mm)
REP-40	32	M3	M6 P1	3.5
REP-40UU	31.75	6-32UNC	1/4-20UNC	4

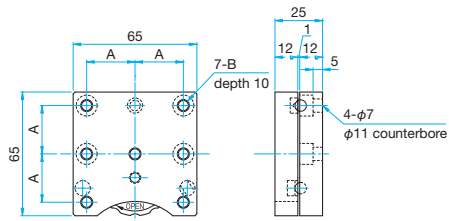
### REP-60

Hexagonal socket head cap screw M4×8...4 screws



### REP-65EE/65UU

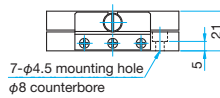
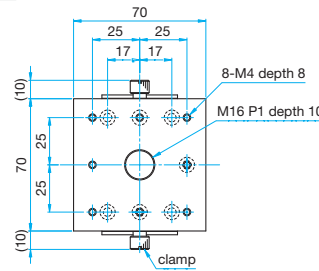
Hexagonal socket head cap screw M6×12...4 screws (65EE)  
Hexagonal socket head cap screw 6-20UNC×5/16...4 screws (65UU)



Part Number	A (mm)	B
REP-65EE	25	M6 P1
REP-65UU	25.4	1/4-20UNC

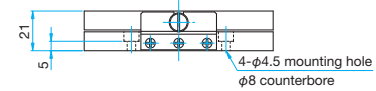
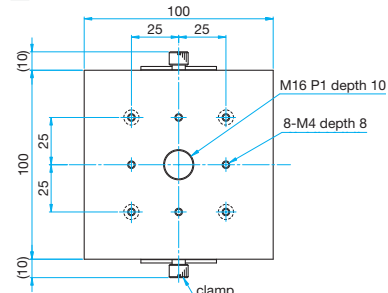
### REP-70

Hexagonal socket head cap screw M4×10...4 screws

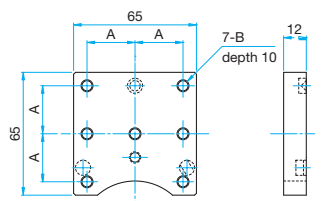


### REP-100

Hexagonal socket head cap screw M4×10...4 screws



### REP-65PEE/65PUU



Part Number	A (mm)	B
REP-65PEE	25	M6 P1
REP-65PUU	25.4	1/4-20UNC

Magnet Type		Primary material: Aluminum Finish: Black Anodized
Part Number	Weight [kg]	
REP-25	0.03	
REP-40	0.07	
REP-40UU	0.07	
REP-60	0.09	

Fixed type		Primary material: Iron Finish: Black matte
Part Number	Weight [kg]	
REP-65EE	0.29	
REP-65UU	0.29	
REP-70	0.77	
REP-100	1.5	

Top Plate only		Primary material: Aluminum Finish: Black Anodized
Part Number	Weight [kg]	
REP-65PEE	0.12	
REP-65PUU	0.12	

## Guide

- ▶ Mirror holders can be directly mounted to flip mounts, FMB-40. These flip mounts move the mirror outside of the optical path.
- ▶ We offer top plates for replacement other than catalog products.

## Attention

- ▶ The magnet type of REP series (25×25 mm, 40×40 mm, 60×60mm) should be loaded on its center axis. Off-axis loads maybe cause the magnetic to detach.