SMA Type Fiber Optics Holders | FOP-SMA/FOP-DM-SMA

RoHS Catalog Code W4522



Two-axis pinhole style holders for optical fibers with SMA connector.

- Two types of actuators are available; the screw type (FOP-SMA) provides simple adjustment suitable to multimode fibers, and the coarse/fine screw type (FOP-DM-SMA) which is capable of fine adjustment required for single mode fibers.
- The FOP-1-SMA has a two-axis adjustment mechanism.
- The FOP-2-SMA has four axes of adjustment providing tip and tilt as well as Xand Y adjustments.
- The SMA receptacles can be replaced with mini-fiber optics holders (MFH-ADP-3). Reference C074

Guide

- Two-axis pinholes/objective holders for FC connectors (FOP)are also available.
- We can change the post length. Please specify the post length when you place an order, then we will deliver the product after replacing the post with one with your specified length. Because those fiber optics holders use a special post, replacement of the post is at your expense.

Attention

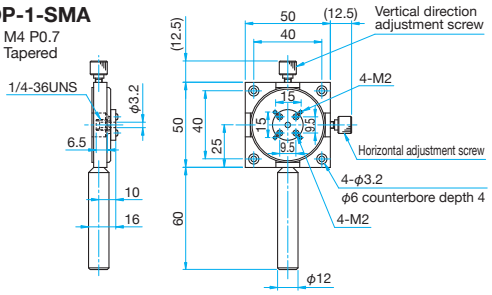
- Detaching and reattaching the fiber will likely result in the fiber needing realignment.
- Due to SMA connectors having short nuts, it is hard to tighten them completely by hand.
  To tighten them securely or to remove them, needle nose pliers are suggested.

Outline Drawing

2D CAD 3D CAD

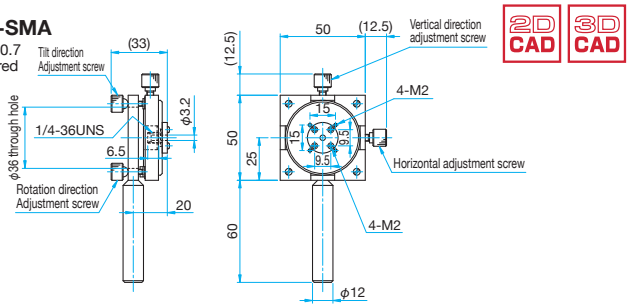
FOP-1-SMA

M4 P0.7 Tapered



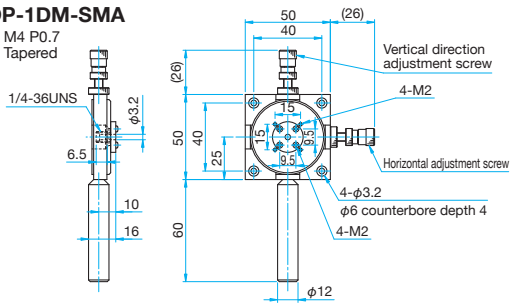
FOP-2-SMA

M4 P0.7 Tapered



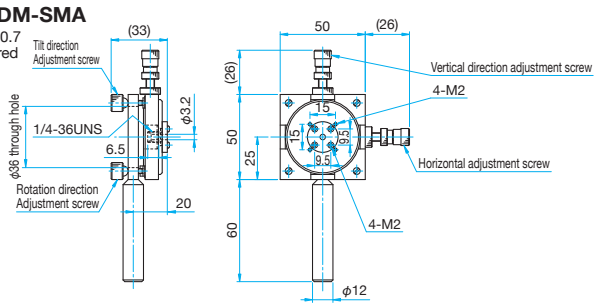
FOP-1DM-SMA

M4 P0.7 Tapered



FOP-2DM-SMA

M4 P0.7 Tapered



Specifications

Primary material: Aluminum
Finish: Black Anodized

Part Number	Centering Adjustment Range [mm]	Adjustment Range Tilt·Rotation [°]	Centering Adjustment Resolution [mm/rotation]	Centering Fine Adjustment Resolution [mm/rotation]	Micro Indicator Conversion [mm/DIV]	Adjustment Resolution Tilt·Rotation [°/rotation]	Weight [kg]
FOP-1-SMA	±1	—	0.5	—	—	—	0.14
FOP-2-SMA	±1	±2	0.5	—	—	about 0.7	0.22
FOP-1DM-SMA	±1	—	0.5	0.05	0.0025	—	0.15
FOP-2DM-SMA	±1	±2	0.5	0.05	0.0025	about 0.7	0.24

Receptacle for SMA Type Fiber Holder | FOP-ADP-SMA

RoHS Catalog Code W4529

Adapter designed to mount to FOP style holders allow SMA fiber connectors to be used with existing FOP holders.



Attention

- The position of the tip of an optical fiber differs depending on the type of SMA connector. Please check the specifications of SMA connectors.

Specifications

Primary material: Aluminum
Finish: Black Anodized

Part Number	Weight [kg]
FOP-ADP-SMA	<0.003

Outline Drawing

FOP-ADP-SMA

Pan head screw M2×6...4 screws

