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Fiber



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

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

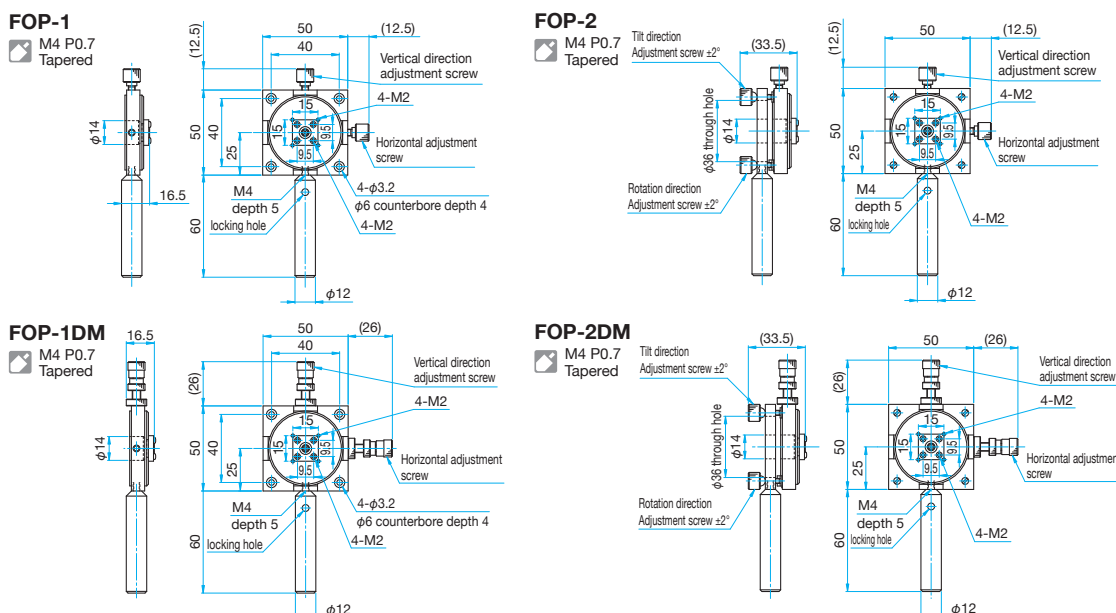
Guide

- Two-axis pinholes/objective holders for SMA connectors (FOP-SMA) 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.
- These holders will be delivered attached with dummy FC connector. This connector cannot be used for an optical fiber.

Attention

- The design of the standard FC receptacle includes a stop that the end of the fiber ferrule rests against. This positions the tip of the fiber 1.5mm from the end face of the receptacle. If it is necessary to align the end of the FC ferrule with the end face of the holder, use the connectors for FC type fiber optics (FLAD).
- Detaching and reattaching the fiber will likely result in the fiber needing realignment.

Outline Drawing



Specifications

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	±1	—	0.5	—	—	—	0.14
FOP-2	±1	±2	0.5	—	—	about 0.7	0.22
FOP-1DM	±1	—	0.5	0.05	0.0025	—	0.15
FOP-2DM	±1	±2	0.5	0.05	0.0025	about 0.7	0.24

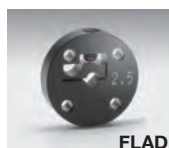
Primary material: Aluminum
Finish: Black Anodized

Adapters for Ferrule | FOP-ADP/FLAD



FOP-ADP

FOP-ADP includes a standard FC receptacle and FC connector. FOP-ADP comes with an FC connector. Be aware that attaching the FC connector to a fiber requires special tools and skills to achieve a quality termination.



FLAD

FLAD is designed to hold a bare ferrule or the tip of a connectorized ferrule.

- Tightening the set screw located on the top of the adapter clamps the ferrule from the side.
- When using this adapter for a nonstandard ferrule or for something other than a ferrule, insure that the diameter of the part matches the diameter marked on the FLAD adapter.

Specifications

Part Number	Ferrule Diameter φA [mm]	Weight [kg]
FOP-ADP	—	—
FLAD-2.5	φ2.5	0.003
FLAD-3.05	φ3.05	0.003

Primary material: Aluminum (FLAD)
Finish: Black Anodized (FLAD)

Outline Drawing

FLAD

- hexagon socket head cap screw M2x6...4 screws

