Fiber Optics Holders | OFH/OFH-DM





Holders used for securing and adjusting optical fibers with ferrules (fibers before connectors are attached). When used in combination with the adapter for fiber optics holders (OFH-ADP), these holders can hold \$\phi 0.3mm\$ to \$\phi 4mm\$ ferrules.



Guide

- ▶ Fiber optics holders for FC connectors (FOP) and for SMA connectors (FOP-SMA) are also available. Reference C076
- Post length can be modified for an additional charge. Contact our Sales Division for more information.

- Focus adjustment knob enables collimation adjustment in combination with the lens.
- The OFH-1 two-axis holder allows positioning of optical fibers.
- The OFH-2 four-axis holder adds tip and tilt capability.
- Both OFH-1 and OFH-2 are available with high precision differntial adjusters for more demanding applications.
- Custom sleeves (OFH-ADP) are available to hold ferrules from 0.3mm to 4.0mm diameters.

Two setscrews in the body of the holder clamp the sleeve tight and hold the fiber and sleeve in place.

Attention

- For information regarding use with single mode fibers, contact our Sales Division.
- ▶ OFH-ADP sleeves are made to order. Contact our Sales Division for delivery times
- ▶ To hold bare fibers without a ferrule, we recommend using the mini-fiber optics holders (MFH). Reference C074

Outline Drawing OFH-1 OFH-2 (12.5) M4 P0.7 Tapered M4 P0.7 Tapered Longitudinal direction adjustment Longitudinal direction $4-\phi 3.5$ adjustment φ12 φ12 Vertical direction OFH-1DM OFH-2DM Vertical directionadjustment M4 P0.7 Tapered M4 P0.7 Tapered HIII Longitudinal direction 2-M3 Longitudinal direction adjustment ixing set screw $4-\phi 3.5$ Tilt direction 12.3 19.7 – 22.2 φ12 φ12

| Specifications | | | | | | | | Primary materi Finish: Black A | |
|----------------|---------------------------------------|------------------------|-------------------------------|-----------------------------------|---|--|-----------|-----------------------------------|----------------|
| Part Number | Centering Adjustment Range [mm] | Adjustm Tilt [°] | nent Range Rotation [°] | Focus Adjustment Range [mm] | Centering Adjustment Resolution [mm/rotation] | Centering Fine Adjustment Resolution [mm/rotation] | Tilt | Resolution Rotation [°/rotation] | Weight [kg] |
| OFH-1 | ±1.25 | _ | _ | ±1.25 | 0.5 | _ | | | 0.12 |
| OFH-2 | ±1.25 | ±2 | ±2 | ±1.25 | 0.5 | _ | about 0.7 | about 0.7 | 0.15 |
| OFH-1DM | ±1.25 | | | ±1.25 | 0.5 | 0.05 | | | 0.14 |
| OFH-2DM | ±1.25 | ±2 | ±2 | ±1.25 | 0.5 | 0.05 | about 0.7 | about 0.7 | 0.17 |

Adapter Sleeve for Fiber Optics Holders | OFH-ADP





Made to order according to the ferrule diameter of your optical fiber. Available with inner diameter between ϕ 0.3 and ϕ 4.0 by 0.1mm increments.



▶ These adapters are not standard ceramic split sleeve alignment sleeves for ferrules. They are a custom design for this application.

| Specification | าร | Primary material: Delrin Finish: None | | | |
|---------------|------------------------|--|------------------------------------|--|--|
| Part Number | Outer Diameter [mm] | Inner Diameter [mm] | Inner Diameter MIN unit [mm] | | |
| OFH-ADP | φ5 | $\phi 0.3 - \phi 4.0$ | 0.1 | | |



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