Motion Control

Fiber Array Holder, Adjustable

- Accepts Rectangular Fiber Arrays up to 12mm Wide
- Easy Loading with a Actuator Knob Controlling the Clamping Mechanism
- Angled Contact Pads Ensure that the Optical Element Sits Flat on the Support Surface
- Generally Useful for Mounting Rectangular Shaped Optics

The HFA001 fiber array holder is part of our extensive line of accessories that serve to enhance our multi-axis flexure stages. As can be seen from the drawing to the right, the operation of this device is achieved via a single actuator knob. This knob simultaneously moves both sides of the clamping mechanism to ensure that the device being mounted is centered on the support surface of the HFA001. Three angled clamping surfaces provide a slight downward pressure on the optical element, while the three point contact guarantees stability. The third clamping point offers support at the end of a flexure rod that provides for some spring loading of the element being clamped.

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*Both the Imperial and Metric Models are Equivalent

Vacuum Fiber Holder

The unique geometry of this fiber holder provides clearance around the side of the mount in order to allow the use of an optical inspection tool (video or conventional microscope) to monitor the alignment process. The vacuum holding force is exerted on the fiber jacket along the 20mm length of the holder, thus ensuring that the fiber is well secured.

- Simple & Fast Vacuum Loading of Optical Fibers
- Inverted Design Provides Extra Clearance for Inspection Tools
- Ideal for Industrial Applications Where Cycle Time is Critical
- Requires a Customer Supplied Vacuum

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