

HFC005 and HFC007 FC Fiber Chuck

Original Instructions

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Chapter 1 Overview

1.1 HFC005 Standard Fiber Chuck

The HFC 005 Standard Fiber Chuck is designed to hold single mode optical fibers with an outside diameter of up to 200 microns once the coating (buffer) has been stripped.

It consists of a precision machined brass rod, internally bored to accommodate two end mounted Teflon collets. A small diameter Teflon sleeve is mounted between the collets. The sleeve provides a light but firm centring pressure on the outer diameter of the fiber and ensures that the fiber is not displaced during tightening of the end caps.

dimensions in mm

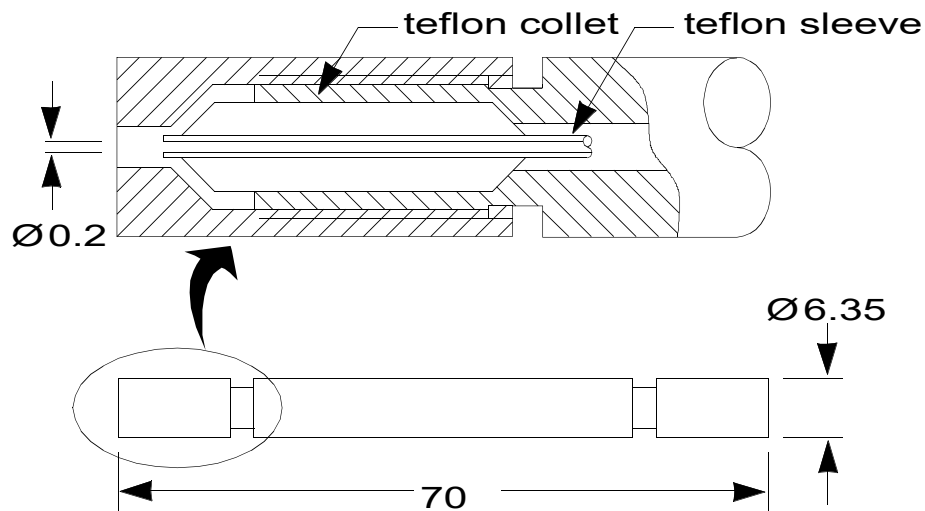


Fig. 1.1 HFC005 standard fiber chuck

1.2 HFC007 Side-loading Fiber Chuck

The HFC007 side-loading fiber chuck allows bare fibers with an outside diameter of up to 200 microns to be mounted.

It consists of a machined brass body with a 0.2mm slot to accept the fiber. A crimped spring steel retaining clip holds the fiber in the slot.

dimensions in mm

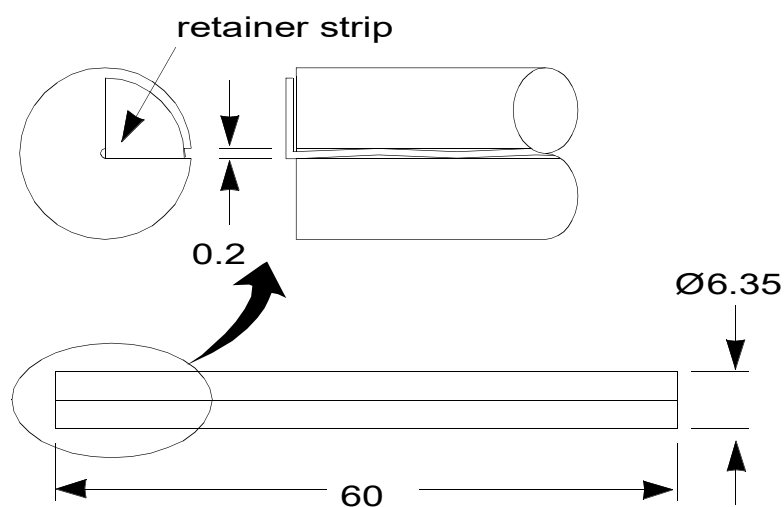


Fig. 1.2 HFC007 side-loaded fiber chuck

Chapter 2 Safety

2.1 Safety Information

For the continuing safety of the operators of this equipment, and the protection of the equipment itself, the operator should take note of the **Warnings**, **Cautions** and **Notes** throughout this handbook and, where visible, on the product itself.

The following safety symbols may be used throughout the handbook and on the equipment itself.

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**Warning: Risk of Electrical Shock**

Given when there is a risk of injury from electrical shock.

**Warning**

Given when there is a risk of injury to users.

**Caution**

Given when there is a risk of damage to the product.

Note

Clarification of an instruction or additional information.

Chapter 3 Thorlabs Worldwide Contacts

For technical support or sales inquiries, please visit us at www.thorlabs.com/contact for our most up-to-date contact information.



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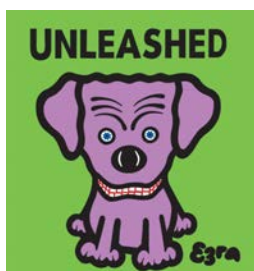
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Thorlabs verifies our compliance with the WEEE (Waste Electrical and Electronic Equipment) directive of the European Community and the corresponding national laws. Accordingly, all end users in the EC may return "end of life" Annex I category electrical and electronic equipment sold after August 13, 2005 to Thorlabs, without incurring disposal charges. Eligible units are marked with the crossed out "wheelie bin" logo (see right), were sold to and are currently owned by a company or institute within the EC, and are not disassembled or contaminated. Contact Thorlabs for more information. Waste treatment is your own responsibility. "End of life" units must be returned to Thorlabs or handed to a company specializing in waste recovery. Do not dispose of the unit in a litter bin or at a public waste disposal site.





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