# FBC-005 High Precision Fiber Cleaver



#### Description

Siecor's FBC-005 High Precision Fiber Cleaver provides laboratory-quality performance in a field cleaver. Fibers cleaved with the simple craft-friendly unit consistently have end-angles of less than 0.5 degrees from perpendicular.

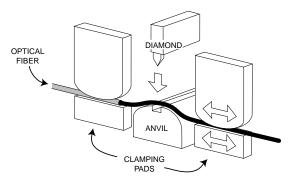
#### **Operation**

The FBC-005 utilizes the bending/scoring principle for the cleaving operation. The fiber is bent over an anvil by two clamping pads and scored by a diamond blade. When the clamping pads are opened, the fiber breaks at the scoring point. The cleaving process requires five simple steps:

- 1. Strip off fiber coating.
- 2. Clean fiber with alcohol.
- 3. Insert fiber in alignment groove.
- 4. Press top of cleaver until it stops and fiber is cleaved.
- 5. Remove cleaved fiber.

# Features / Benefits

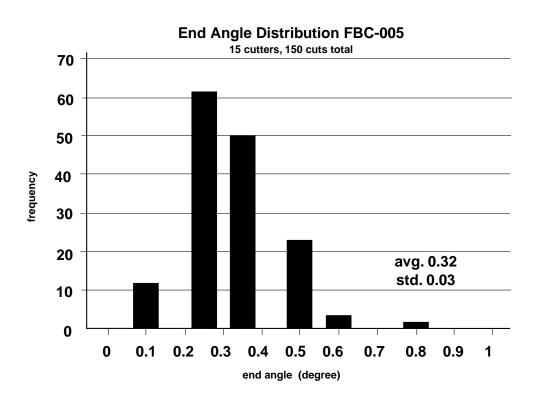
- Typical cleave angle 0.5 degrees or less
- Simple operation
- Rugged
- Craft-friendly
- Precision diamond blade
- Accommodates single-mode and multimode fiber up to 900 μm coating
- Two-position adjustable cleaving tension



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# **Specifications**

Dimensions	77 mm x 70 mm x 134 mm (3 in x 2.75 in x 5.25 in)
Weight	546 g (1.2 lb)
Bare Fiber Diameter	100 - 140 μm
Fiber Type	Single-mode or Multimode
Blade Type	Diamond
Blade Life	Approximately 10,000 cleaves
Minimum Bare Fiber Length	6 mm (Loose Tube) 14 mm (Tight Buffered)



### **Ordering Information**

Part Number	Description
FBC-005	High Precision Fiber Cleaver in carrying case; includes cleaver cleaning strip, lint-free tissues, swabs, tweezers, electrical tape, and two 60-ml bottles (for alcohol)
FBC-005-01	Diamond replacement blade

Note: The FBC-005 can also be mounted on the Siecor Model M90 Fusion Splicer. Contact your Siecor Customer Service Representative or authorized Siecor distributor for more information on these products.

Drawing ZA-1295

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