

Instruction Manual for the F1-6000 Fiber Optic Cleaver

Introduction:

F1-6000 fiber optic cleaver offers quality cleaves at a reasonable price. A properly maintained F1-6000 cleaver is capable of leaving a mirror-like end face finish 2.0mm – 20.0mm from a fibers coating.

Specifications:

- For Use With: Single .125mm O.D. Fiber
- Cleave Length: 2.0mm to 20.0mm
- Overall Dimensions: 124mm(L) x 20mm(W) x 40mm (H)
- Weight: 60g
- Operating Temperature: 0 to 40 deg. C
- Storage Temperature: -20 to 60 deg. C

Operation:

1) Strip and clean fiber

Remove primary and secondary coatings from the fiber. Complete removal of the primary coating may be accomplished by using a fiber stripper. Next, clean the fiber with alcohol and a lint-free wipe.

2) Set fiber

Press the fiber holding lever down and insert the clean fiber into the fiber holder – along the groove in the leaf spring. Line up the end of the buffer coating with the cleave length mark you would like to use. Make sure the leaf spring is horizontal until the cleaving step. Release the fiber holding lever to clamp the fiber. Hold the buffered fiber against the end of the leaf spring and momentarily press the fiber holding lever once more to relieve torsional stress.

3) Scoring

Lightly and slowly press down on the blade box to nick the fiber. The blade must be used gently in order to provide a good cleave. Slowly release blade box – only score the fiber once.

4) Cleaving

Carefully bend the leaf spring down while continuing to hold the fiber. Bend the leaf spring just enough to separate the fiber, over bending can damage the spring. Release the fiber hold lever and dispose of the fiber stub.

Maintenance:

The F1-6000 Cleaver is a precision tool, and it must be kept clean. If the cleaver is misused, the leaf spring or blade may not function properly. Both parts may be re-ordered through Fiber Instrument Sales. With proper care, the F1-6000 will be able to reliably cleave thousands of fibers.

Part # for re-order:

Blade: F160CBL

Leaf Spring: 4168-1001