

FIBER CUTTING PROCEDURE

To cut fiber with this cutter please complete the following steps:

- Select the correct aperture for the fiber being cut.
- Pull up the razor blade.
- Push fiber into the selected aperture until it extends 2 mm beyond the razor blade.
- Press down on the top of the razor blade until the fiber is cut through.
- Pull up the razor blade and remove fiber.



Table 1. Recommended apertures for various fibers.

Fiber Type	Aperture
750 μm core, 2.2 mm jacketed simplex	4a or 4b
1000 μm core, 2.2 mm jacketed simplex	4a or 4b
750 μm core, jacketed duplex	4a and 4b
1000 μm core, jacketed duplex	4a and 4b
750 μm core bare fiber	1
1.5 mm core, jacketed simplex	3
1000 μm core bare fiber	5
1.5 mm core bare fiber	5
2.0 mm bare fiber	2
3.0 mm bare fiber	3
16-fiber 265 μm core, light bundle	4a or 4b
24-fiber 265 μm core, light bundle	3
32-fiber 265 μm core, light bundle	3
64-fiber 265 μm core light bundle	6

GENERAL INFORMATION

The Professional Fiber Cutter has been designed exclusively for cutting plastic optical fiber. **Do not attempt to cut glass fiber.**

Upon inspection of the fiber cutter you will find seven holes or apertures as shown in **Figure 1**. The apertures are precisely drilled holes for optimal cutting of the most commonly used plastic optical fibers. See **Table 1** to determine the proper aperture for the fiber you wish to cut. If you do not find the fiber listed, please refer to the aperture sizes in **Table 2**. Choose the closest aperture size that exceeds the overall diameter of the fiber.

To eliminate a step when working with jacketed duplex fiber, the cutter splits the jacket at the midpoint when it is pushed into the cutter. To split a 1000 μm core jacketed fiber, insert the fiber into apertures 4a and 4b when following the instructions in the next section. Splitting and cutting the fiber this way ensures that both fiber ends are the same length for a professional and easy-to-use termination.

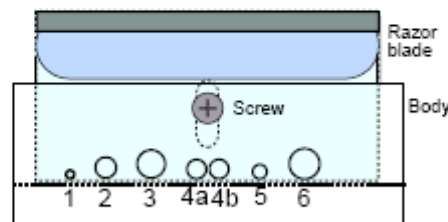


Figure 1. Front view of the fiber cutter with the fiber apertures numbered.

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