

3SAE LARGE DIAMETER FIBER CLEAVER (LFC)

The 3SAE Large Diameter Fiber Cleaver (LFC) is a cost effective, high precision cleaver designed for fibers with cladding diameters ranging from 125 – 550 μm . Like the 3SAE Liquid Clamp Cleaver II (LCC II), the 3SAE LFC includes a unique universal clamping system that accommodates its full diameter range. With maximum portability, the LFC provides ease of use, high quality cleave angle performance, and repeatability for high volume manufacturing, R&D, or field repairs of fiber lasers. The 3SAE LFC can optionally leverage an integrated backstop that provides enhanced cleave performance for structured fibers. This simple and elegant design makes for a robust and low maintenance tool essential for large diameter fiber cleaving.



Factory: With its small footprint and ease of use, the LFC is deal for optical work bench spaces. The LFC with fiber holder compatibility can be used with most commercially available fusion splicers and preparation tools providing a complete handling process for high yield product throughput.

Field: With the LFC, the 3SAE field splicing kit provides a complete, first of its kind portable LD splicing solution. The 3SAE field splicing kit incorporates the battery operated, light weight LFS, Fitel S178 LD fusion splicer, 3SAE Thermal Stripper, 3SAE Ultrasonic Cleaner and 3SAE Large Diameter Bend Proof Tester.

Key Features:

- Compact, low-maintenance bench top design
- For fiber claddings from 125 to 550 μm and coating up to 900 μm
- Low cleave angles with flat end faces
- Powered with battery or external battery supply
- Available platforms that support Fitel, Fujikura, 3SAE or bare fiber

Technical Specifications:

- Dimensions: 150 (W) x 100 (D) x 60 (H) mm, 150 (W) x 100 (D) x 80 (H) mm (including lever)
- Weight: 1.1 kg
- Power Source: Battery (2 x AA) or external power supply (100-240 V AC, 50/60 Hz)
- Supported fiber cladding: 125 to 550 μm
- Supported fiber coating: 250 to 900 μm

Product	Part Number	Qty
3SAE Large Diameter Fiber Cleaver (LFC)	CLV-09-0001	
Standard Package		
Power Supply	ACC-09-0001	1
Fitel/Fujikura Fiber Holder Platform	ACC-09-0004	1
Tool Kit	ACC-09-0003	1
User's Manual	N/A	1
Optional Components		
Bare Fiber Adaptor	ACC-09-0002	
Replacement Diamond Blade	CON-09-0010	

*INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.