

LIQUID CLAMP CLEAVER II, LDF

The 3SAE Liquid Clamp Cleaver II LDF, is the most advanced large diameter fiber cleaver for circular and shaped fibers from 125 μm to 1000 μm . The Liquid Clamp Cleaver II LDF not only produces very flat cleaves for improved splice loss and beam quality, but now features angle cleaving for fibers 250 to 1000 μm in diameter at no extra cost. Angle cleaving is controlled by way of the on-board LCD and keypad interface which allows up to 30° of rotation.

The primary cause of bad cleave angles is torsional strain in the fiber, induced by torque from conventional clamps. This new patent pending process features a completely torque-free clamping system, which uses a proprietary metal alloy ingot that melts at less than the boiling point of water. This is a lead-free, cadmium-free alloy ingot specially formulated to solidify tightly around the optical fiber when cooled, providing torque-free clamping even of non-round fibers such as Octagonal shape. A solid-state temperature control system rapidly liquifies and solidifies the alloy as needed. When the alloy ingot is depleted by use, it can be easily replaced. These unique alloy ingots are available exclusively from 3SAE Technologies.

In addition to the best cleave quality obtainable, this LD cleaver has an on-board LCD that provides continuous status updates and instructs the operator in the proper loading and cleaving sequence. The menu system enables the operator to easily create, modify and use up to ten cleaving programs, allowing efficient transitions between different fiber diameters.



Key Features:

- Angled Cleaver to have up to 30° of fiber rotation with the ability to cleave fiber up to 1 mm in diameter.
- Circular and shaped fiber compatible
- Lowest mean cleave angles on the market
- Lowest standard deviation on the market
- Fiber holder compatible
- Extended blade life
- Stores up to 10 programs
- No PC required

Technical Specifications:

- Dimensions: 188 (W) x 165 (D) x 245 (H) mm
- Weight: 8 kg
- Power Source: Input: 100 - 240 V, 50/60 Hz
- Fiber Dimensions: 125 μm to 1000 μm
- PC Interface: RS232 (9 pin D-sub, male)

Product

LCC II LDF Models

Product	Part Number	Qty
16 mm Fiber Holder Platform	CLV-01-0008	
18 mm Fiber Holder Platform	CLV-01-0010	

Standard Package

Product	Part Number	Qty
Power Supply	SPT-10-1568	1
Power Cord	FPU-02-0037	1
125-300 μm Fiber Guide	SPT-01-0298	1
300-600 μm Fiber Guide	SPT-01-1317	1
600-1000 μm Fiber Guide	SPT-01-0298	1
LCC Rev 2 Ingot, (10 per pkg.)	CON-01-0005	1
User's Manual	N/A	1

Optional Components

LCC Rev 2 Ingot, (10 per pkg.)	CON-01-0005	
Spare Blade	SPT-10-1570	
16 mm Fiber Holder Platform	ACC-01-0129	
18 mm Fiber Holder Platform	ACC-01-0130	
3SAE Ultrasonic Cleaner Fitel/Fujikura 16 mm F/H Rail	ACC-01-0100	
3SAE Ultrasonic Cleaner Fitel/Fujikura 18 mm F/H Rail	ACC-01-0102	

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