

## CT16 Fibre Cleaver



The CT16 Fibre Cleaver from Fujikura was designed for FTTH or other space constrained applications where ergonomics and durability are key. It is compact, can be operated ambidextrously, and features a unique fibre adapter, allowing users to cleave two bare fibres simultaneously when paired with the dual fibre stripper, the SS-05. The scrap collector and fibre adapter side can be swapped by the user for left or right-handed preference, or as environmental constraints dictate. Furthermore, the thumbwheel on the bottom of the cleaver is utilised for blade rotations as opposed to previous tedious processes to rotate a cleaver blade. The top lever opens past vertical allowing for easy viewing, cleaning, and adjustment of the cleave length. The blade is retracted when the top lever is opened and the blade activates to score the fibre when it is closed, making this a true one-step cleaver. Like its predecessor, this cleaver can withstand a 30" drop from any of six different orientations and still maintain factory specified cleave angle performance. The cleaver blade and fibre clamping mechanisms are easy to replace in the field, mitigating the need to send this cleaver in for service.

### Features

- Dual fibre adapter plate for single or two fibre cleaving
- Ambidextrous operation available
- Field replaceable fibre clamp pads and cleaver blade
- Shock resistant for drops up to 30" in any of six different orientations
- Compact form factor and tool-less blade rotations

### Applications

- Small cell site
- FTTx drops and terminations
- MDF/IDF splices and terminations
- Rural fibre deployments and restorations

### Ordering Information

DESCRIPTION	AFL NO.
<b>CT16 Fibre Cleaver</b> includes: FDB-06 scrap collector, AD-16A fibre adapter, HEX-01 hex wrench (1.5 mm), M-CT16-E instruction manual, CC-46 carrying case	S018330-AD16A
FDB-06 Scrap Collector	S018329
CB-09 Replacement Cleaver Blade	S018335
ARM-CT16-01 Replacement Fibre Clamp Pads	S018373
AD-16A Fibre Adapter (up to 900 µm coating)	S018328
AD-16B Fibre Adapter (up to 3.0 mm jacket)	S018331
CC-46 Carrying Case	S018374

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### Specifications

PARAMETER		VALUE
Applicable Fibre	Fibre type	Single-mode optical fibre Multimode optical fibre
	Fibre count	2 Single fibres
	Cladding diameter	Approx. 125 µm
Applicable Coating	Adapter plate	AD-16A: Max 900 µm coating diameter single fibre or 250 µm coating diameter for two fibres AD-16B: Max. 3 mm jacket diameter
	Fibre holders	FH-60 and FH-70 series – coating diameter dictated by specific fibre holder
Cleave Length	Adapter plate	AD-16A: 5 – 20 mm* <sup>1</sup> AD-16B: Coating diameter – 250 µm or less: 5-20 mm* <sup>1</sup> 251 µm-900 µm: 10-20 mm 901 µm-3 mm: 14-20 mm
	Fibre holder	Approx. 10 mm
Cleave Angle* <sup>2</sup>	Single fibre	Avg. 0.3 to 0.9 degrees
Blade Life* <sup>3</sup>		Approx. 48,000 fibre cleaves
Physical Description	Dimensions W	Approx. 106 mm without projection* <sup>4</sup>
	Dimensions D	Approx. 95.5 mm without projection* <sup>4</sup>
	Dimensions H	Approx. 49 mm without projection* <sup>4</sup>
	Weight	Approx. 190 g including AD-16A
Environmental Condition	Temperature	Operate : -10 to 50°C Storage : -40 to 80°C
	Humidity	Operate : 0 to 95%RH non-condensing Storage : 0 to 95%RH non-condensing
Other Features	Blade rotation	Manual dial underneath cleaver
	Replaceable parts	Cleaver blade Fibre clamp pads
	Fibre adapter base and scrap collector	Can be swapped position for ambidextrous operation
	Cleave count	Up to two individual bare fibres

### Notes

1. When the cleave length is less than 10 mm, the coating diameter should be 250 µm or less. Also, a blade height adjustment is required before cleaving. The average cleave angle quality will decrease when the cleave length is less than 10 mm.
2. Measured with an interferometer at room temperature, not with a splicer. A new blade was used to cleave the single fibres. The average cleave angle changes depending on the environmental conditions, blade condition, operating method, and cleanliness.
3. The blade life changes depending on the environmental conditions, operating method, and the fibre type cleaved.
4. Measured with the top lever closed.