



# Sumitomo FC-8R-FC

## Handheld Automatic Rotating Fiber Cleaver

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### Features

- Automatic blade rotation
- Integrated cleave counter
- Precision cleaving angle (single fiber 0.5° typ)
- Accepts modular fiber holders
- Compact handheld design

## Application

- Precision cleaving of optical fiber ribbons
- Preparation of fiber for splicing
- Single fiber cleaving
- 2F to 12F ribbon

## Design

The FC-8R-FC cleaver is made of anodised aluminium and is supplied within a compact carrying case. The cleaver is supplied with a prefitted fiber holder in a slot to accept various fiber holders, a scrap collector and an installed blade suitable for up to 60000 cleaves.

## Technical Information

Temperature, Operation [°C]

-10 to +50

## Technical Details

Specifications		FC-8R-F		FC-8R-FC	
Part number	Material	Silica glass			
Applicable fibre	Cladding diameter	Φ 125 µm			
	Fibre count	Single to 12	Single (Φ 0.25mm) 10-20mm (Φ 0.9mm)	Single to 12	Single (Φ 0.25mm) 10-20mm (Φ 0.9mm)
Cleave length		10mm	10mm	10mm	10mm
Fibre placing	Fibre holder	Single fibre adapter (AP-FC8R)		Fibre holder	
Cleave angle (Typ.)		0.5 degrees with single fibre			
Off-cut collector / Fibre offcut bin		Pre-fitted / TR-FCBR			
Automatic blade rotation		Provided (Switchable to Fixed)			
Cleave operation counter **		N/A		Provided	
Lid opening angle		Switchable (Wide / Narrow)			
Dimensions and Weight		58(W)×98(D)×49(H) mm, Approx. 260 g			
Field replaceable blade		Yes, use FCP-20BL(7R)			
Operating condition		+10-50°C and 0-95% RH (non-condensing)			
Storage condition		-40-80°C and 0-95% RH (non-condensing)			
Blade life		60,000 fibres (2,500 fibres × 24 positions)			

\*1: The cleaver can count the number of cleaves only when a fibre holder or single fibre adapter is fitted to the cleaver.  
\*2: Blade life is not guaranteed. It may vary depending on the operating environment.

Standard package		Model No. Qty	
Part name	Part No.	FC-8R-F	FC-8R-FC
Main body	FC-8R-F	1pc	1pc
Single fibre adapter	AP-FCBR	1pc with 1 screw	1pc
Desktop spacer block	DTS-O1	1pc	1pc
Carrying case	CC-8RSH	1pc	1pc
Operation manual	-	1set	-
Cleaning brush	-	1pc	-
Hexagonal wrench	-	1pc	-
Strap	-	1pc	-

Optional accessories / Consumables		Note	
Part name	Part No.		
Single fibre adapter	AP-FC7	With 1 screw	
Fibre offcut bin	TR-FCBR	With 1 desktop spacer block & 1 screw	
Coin type	CR1220	-For FC-8R-FC only	
Lithium battery	-	-Commercial item	
Replacement blade	FCP-20BL(7R)	Common for FC-8R/7R series	

Fibre holders												
Part No.	FHS-025	FHS-09	FHS-025/LB5	FHD1	FHC3	FHM-2	FHM-4	FHM-5	FHM-6	FHM-8	FHM-10	FHM-12
Fibre	Single 250um	Single 900um	Single 900um	Single 200um Disp.	3mm cable	24-fibre ribbon	44-fibre ribbon	54-fibre ribbon	64-fibre ribbon	84-fibre ribbon	104-fibre ribbon	124-fibre ribbon
Cleave length	10mm											

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Article name	Dimensions [mm]	Weight [kg]
<b>Sumitomo Handheld Auto Rotating Fiber Cleaver</b> SUM-FC-8R-FC	58 × 98 × 49	0.26
<b>Spare Blade for FC-6R7R Series</b> SUM-FCP-20BL(7R)	—	—
<b>Fiber Holder for 0.25mm single fiber</b> SUM-FHS-025	—	—
<b>Fiber Holder for 0.9mm single fiber</b> SUM-FHS-09	—	—
<b>Fiber Holder for drop and indoor cables</b> SUM-FHD-1	—	—
<b>Fiber Holder for 3mm cable</b> SUM-FHC-3	—	—
<b>Fiber Holder for 2f ribbon</b> SUM-FHM-2	—	—
<b>Fiber Holder for 4f ribbon</b> SUM-FHM-4	—	—
<b>Fiber Holder for 6f ribbon</b> SUM-FHM-6	—	—
<b>Fiber Holder for 8f ribbon</b> SUM-FHM-8	—	—
<b>Fiber Holder for 12f ribbon</b> SUM-FHM-12	—	—
<b>200um to 250um pitch changing holder for pliable ribbon</b> SUM-PCH-12	—	—