

# Fiber Optic Cleavers

## FBC-006 for Single-Fiber

To meet the high cleave quality demands of core-alignment fusion splicers, Corning Cable Systems created the FBC-006 featuring a unique diamond blade providing best cleave performance, consistency and longevity. Combined with exchangeable fiber guides and a true one-step cleave mechanism, this is Corning's answer to field installations without compromise.

### Features

- Excellent performance with an average cleave angle deviation of  $< 0.35^\circ$ , even with chip-sensitive ITU G.655 fibers
- Compatible with fiber diameters from  $80\ \mu\text{m}$  to  $140\ \mu\text{m}$
- Superior flexibility from exchangeable inlays to hold:
  - a. the universal fiber guide (from  $250$  to  $900\ \mu\text{m}$  coating / buffering), or
  - b. two versions of fiber guides for buffered fibers ( $900\ \mu\text{m}$  /  $900\ \mu\text{m}$  to  $3\ \text{mm}$ ), or
  - c. OptiSplice series' handling adapters
- Fast and true one-step operation: clamping, bending, scribing and breaking, all with a single movement
- Cleaver blade made of durable industrial diamond to ensure high cleave consistency and long lifespan (minimum 30,000 cleaves per blade under normal use)
- Very simple to maintain as blade assembly is easily replaceable in the field (necessary tools provided)
- Sleek design less prone to contamination, thus making cleaning effortless



FBC-006 with inlay and  $250$  to  $900\ \mu\text{m}$  universal fiber guide (upper photo), inlay with  $900\ \mu\text{m}$  fiber guide (lower left) and inlay for OptiSplice series' handling adapters (lower right)

### Specifications

Dimensions (H x W x D)	70 x 70 x 40 mm
Weight	120 g
Applicable cladding diameter	80 to $140\ \mu\text{m}$
Average cleave angle dev.	$< 0.35^\circ$
Blade type	Industrial diamond
Blade life	$> 30,000$ cleaves

### Ordering Information

Part Number	Description
<b>CLV-FBC006-2</b>	FBC-006 cleaver with inlay and one universal fiber guide for fiber coating from $250$ to $900\ \mu\text{m}$ , in plastic transport box with 25 cleaning strips, Allen key and English / German instruction manual
<b>CLV-FBC006-3</b>	FBC-006 cleaver with inlay ready for OptiSplice series' handling adapters (handling adapters not included), in plastic transport box with 25 cleaning strips, Allen key and English / German instruction manual
<b>CLV-FBC6U9-1</b>	Inlay for fitting $900\ \mu\text{m}$ and $900\ \mu\text{m}$ to $3\ \text{mm}$ fiber guides
<b>CLV-FBC6UA-1</b>	Inlay for fitting $250$ to $900\ \mu\text{m}$ universal fiber guide
<b>CLV-FBC6FTTPA-1</b>	Inlay for fitting OptiSplice series' handling adapters
<b>CLV-FBC6BFA2-1</b>	$250$ to $900\ \mu\text{m}$ universal fiber guide
<b>CLV-FBC6BFA9-1</b>	$900\ \mu\text{m}$ fiber guide
<b>CLV-FBC6BFA3-1</b>	$900\ \mu\text{m}$ to $3\ \text{mm}$ fiber guide
<b>CLV-FBC6BLADE-1</b>	Spare diamond blade

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