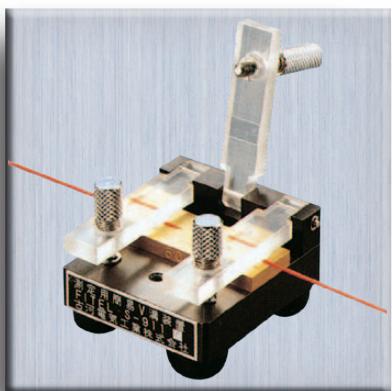


# FITEL Fusion Splicer Accessories and Consumables



## S42X Fusion Splicer Tool Kits

The S42X Series Fusion Splicer Tool Kit contains all of the necessary tools required for optical fusion splicing in a rugged carrying case. The durable carrying case features separate compartments for organizing tools and consumables.

Description	Model	Qty		
	S422	S423	S424	
S210 Single Fiber Stripper	✓	✓	✓	1
Carrying case	✓	✓	✓	1
250cc Polyethylene bottle with siphon	✓	✓	✓	1
Cleaning cotton for optical fiber	✓	✓	✓	1
Cotton stick for cleaning V-groove, lens, mirror	✓	✓	✓	1
Blower brush for cleaning V-groove, lens, mirror	✓	✓	✓	1
Precision screw driver set and hexagonal wrench set	✓	✓	✓	1
Electrode sharpener	✓	✓	✓	2
S310 Single Fiber Cleaver	✓			1
S326A Hand-Held High Precision Cleaver		✓	✓	1
S218R Thermal Stripper			✓	1



## S210 Single Fiber Stripper

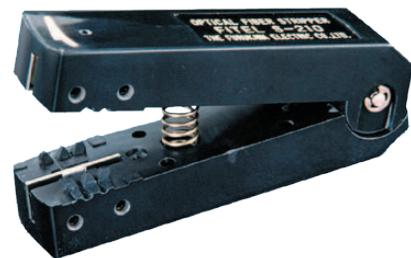
The FITEL S210 Single Fiber Stripper is designed to strip 0.25 mm as well as 0.9 mm diameter fiber. This easy to use stripper has a 20 mm wide base with the blade located in the center to ensure safe longitudinal stripping.

### APPLICABLE OPTICAL FIBER:

Silica glass-based optical fibers, single fiber, 0.25 mm and 0.9 mm coating diameter, 0.125 mm clad diameter.

**Dimensions** 20 W × 80 D × 26 H mm

**Weight** 70 g



## S310 and S315 Single Fiber Cleavers

The FITEL S310 and S315 Single Fiber Field Cleavers are designed for cleaving fiber in the field quickly and easily. The S310 and S315 Field Cleavers can accommodate 0.25 mm and 0.9 mm coating diameters and their small lightweight size makes them the perfect addition to any field splicing system. The S310 and S315 field cleavers require some skill to achieve the desired cleave angle and may not be appropriate for some splicing applications. The S310 is specifically designed to cleave fiber in the field accurately to a 16 mm length. The S315 has a graduated scale, which allows for cleave lengths of 5 to 20 mm.

### APPLICABLE OPTICAL FIBER:

Silica glass-based optical fibers, single fiber, 0.25 mm and 0.9 mm coating diameter, 0.125 mm clad diameter.

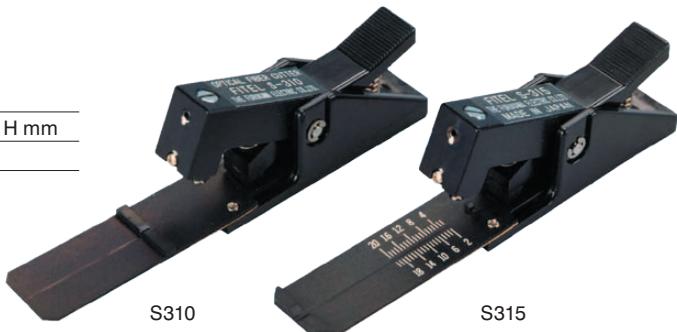
### MODELS:

S310 : For cleaving 16 mm length

**Dimensions** 20 W × 125 D × 42 H mm

S315 : For cleaving 2 to 20 mm length  
adjusting with scale

**Weight** 65 g

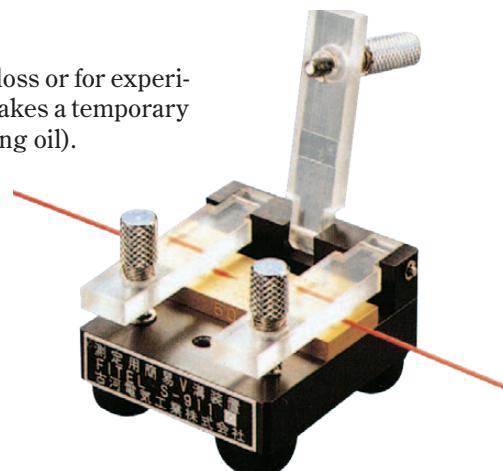


## S91X Temporary Fiber Aligner

Designed as a jig for temporary jointing the fibers for measuring transmission loss or for experimental purposes. A simple procedure to strip, clean, cleave and load the fiber makes a temporary jointing with a typical average loss of 0.25 dB for SM fiber (when using matching oil).

P / N	Description	Qty
S91X	Main Body	1
–	Operation Manual	1
<b>SPECIFICATIONS:</b>		
Fiber Type	SM, MM (Single Fiber)	
Insertion	0.25 dB (with matching gel)	
Dimensions	50 W × 55 D × 33 H mm	
Weight	350 g	

Model	Dia.of Applicable Fibers	Qty
S911	0.90 × 0.90	1
S912	0.90 × 0.40	1
S913	0.40 × 0.40	1
S914	0.40 × 0.25	1
S915	0.25 × 0.25	1
S916	0.25 × 0.90	1



## S220A Optical Ribbon Fiber Separator

Designed to initiate separating 2 to 12-fiber ribbons into single fibers. After shaving with S220A, the ribbon fiber can be easily separated by fingers into single fibers. Compact carrying case included as standard.

### APPLICABLE OPTICAL FIBER:

2 to 12 fiber ribbons with the thickness of 0.30 ~ 0.40 mm

**Dimensions** 55 W × 30 D × 22 H mm

**Weight** 100 g

#### Caution

Do not use the S220A on live fiber or for a mid-span strip. Discard the section of the fibers to which the S220A was applied before splicing or reconnecting the exposed fibers.



P / N	Description	Qty
S220A	Optical Ribbon Fiber Separator	1
FTS-B013	Operation Manual	1

## S233 Optical Ribbon Fiber Splitter

FITEL S233 Ribbon Splitter splits 4, 8, 12, and 24-fiber ribbons more easily, quickly, and accurately than ever before. Another great Fitel fusion splicing accessory from Furukawa Electric.

### KEY FEATURES:

- Small, simple, and compact design for field use
- All-metal body for maximum durability
- Interchangeable fiber guides for different ribbon sizes
- No tools required to change fiber guides

### APPLICABLE OPTICAL FIBER:

0.125 mm cladding diameter; 4 / 8 / 12 / 24-fiber ribbons; 0.25 mm pitch; 0.30 to 0.40 mm thickness; UV-cured acrylic resin coating\*

\*S233 may not work satisfactorily with some ribbon fiber coating materials.

**Dimensions** 115 W × 20 D × 20 H mm

**Weight** 95 g

### STANDARD PACKAGE:

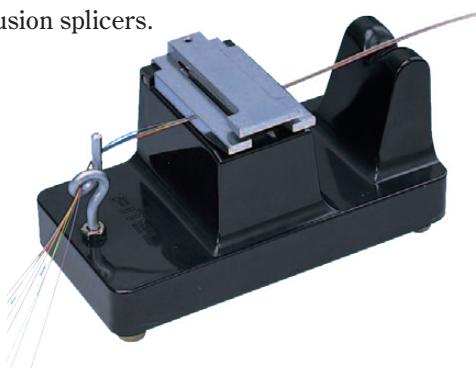
P / N	Description	Qty	Notes		Model		
					S233A	S233B	S233C
S233X-01	Main Body**	1	All-metal base body for all fiber guides	✓	✓	✓	
S233X-02	Cleaning Brush	1	Tool to remove fiber jacket waste	✓	✓	✓	
S233X-03	Carrying Case	1	Clear; holds all standard components	✓	✓	✓	
S233X-11	Fiber Guide A	1	Obverse: 4-fiber ribbon > 2 x 2-fiber ribbons Reverse: 4-fiber ribbon > 3-fiber ribbon & single-fiber	✓	—	—	
S233X-12	Fiber Guide B	1	Obverse: 4-fiber ribbon > 2 x 2-fiber ribbons Reverse: 8-fiber ribbon > 2 x 4-fiber ribbons	—	✓	—	
S233X-13	Fiber Guide C	1	Obverse: 12-fiber ribbon > 2 x 6-fiber ribbons Reverse: 24-fiber ribbon > 2 x 12-fiber ribbons	—	—	✓	
S233X-82	Operation Manual	1	Operation Manual	✓	✓	✓	

\*\*Not sold individually

## S612 Ribbon Forming Fixture

Designed to form a ribbon-like fiber with 2 to 12 single fibers. S612 offers a high efficient simultaneous fiber splice with FITEL ribbon fusion splicers.

- Easy to operate
- Smallest fixture in the industry
- Consumables are adhesive only



### SPECIFICATIONS:

Applicable Optical Fiber	2 to 12 fiber ribbons
Dimensions	120 W × 60 D × 58 H mm
Weight	400 g

### STANDARD PACKAGE:

P / N	Description	Qty
S612	Ribbon forming fixture	1
S611-04	Adhesive	50 ml × 2 bottles
FTS-B010	Operation Manual	1

# S903 Ultra Sonic Cleaner



## FEATURES:

- Perfect fiber cleaning solution to go with FITEL S18x series
- Can clean 2 fibers at the same time
- The height of the holder stand can be adjusted according to the amount of alcohol
- RoHS compliant



## SPECIFICATIONS:

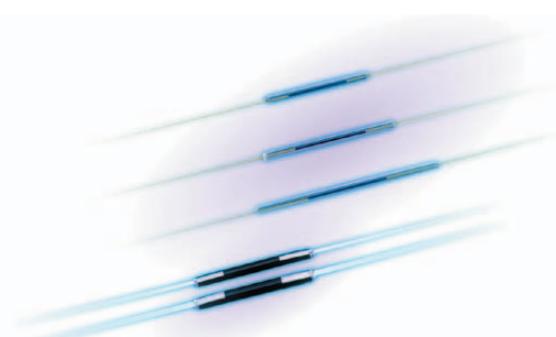
Item	Specification	Notes
Applicable Fibers	Quartz optical fiber	
Applicable Holders	S709, S710, S710LDF, S712	
Fibers Cleave Length	3 to 10 mm	Length between Holder to Fiber tip : 13 mm
Dimension	Ultrasonic Cleaner: 193 W x 116 D x 118 H mm Cleaner Adapter: 114 W x 114 D x 80.5 H mm	
Weight	Ultrasonic Cleaner + Cleaner Adapter : 1150 g Ultrasonic Cleaner : 950 g	
Operating Environment	5 to 45°C	Maker Specification
Storage Environment	-30 to 75°C	Maker Specification
Humidity	20 to 80%	Maker Specification
Power Source	AC 120 or 220 V (50 / 60 Hz)	
Safety Timer	5 minutes	Maker Specification

## STANDARD PACKAGE:

Item	P / N	Description	Qty
S903 A-sets	S903-A	Cleaner Adapter Operation Manual Ultrasonic Cleaner (120 V)	1
S903 B-sets	S903-B	Cleaner Adapter Operation Manual Ultrasonic Cleaner (220 V)	1

## Protection Sleeves

FITEL offers a wide variety of protection sleeves to accommodate single and ribbon fiber. FITEL's protection sleeves come in ribbon, standard, slim, mini, and macro sizes. They are composed of an outer an inner sleeve reinforced by an internal member made of stainless steel or ceramics.



## MODEL, SPECIFICATION AND APPLICABLE FIBER:

Model	Applicable fiber	Length	Material of strength member	Pieces / pack
S921	Single fiber, 0.25-0.9 mm coating diameter	60 mm	Stainless steel	25
S921DC	Drop/Indoor cable	60 mm	Stainless steel	25
S922	Single fiber, 0.25-0.9 mm coating diameter	40 mm	Stainless steel	25
S924	Single fiber and up to 8-fiber ribbon	40 mm	Quartz	25
S927A	Single fiber and up to 8-fiber ribbon	40 mm	Ceramic	100
S927B	Single fiber and up to 12-fiber ribbon	40 mm	Ceramic	100
S928A-20		20 mm	Stainless steel	100
S928A-25	Single fiber 0.25-0.4 mm coating diameter	25 mm	Stainless steel	100
S928A-35		35 mm	Stainless steel	100

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