

S33012 Fiber Cleaver User Guide

Over View

The Saluki S33012 Fiber Cleaver is a tool used for cleaving multiple and single stand optical fibers, dispersion shifted and non-zero dispersion shifted fibers, as well as for 0.9 millimeter pigtail, 3.0 millimeter jumping fiber, 3.1 x 2.0 millimeter cable for FTTx.

Technical

Fiber type	Multiple and single stand optical fibers Dispersion shifted and non-zero dispersion shifted fibers 0.9 millimeter pigtail / 3.0 millimeter jumping fiber 3.1x2.0 millimeter cable for FTTx Cladding diameter: 125µm. Single core
Typical cleave angle	≤0.45°, Mirror
Blade life	≥50,000 fiber cutting (16 sides, >3,200 / side)
Dimensions (WxHxD)	58×57×53 mm
Weight	0.3kg
Cleave length	10 -16mm
Working Environment	Operating Temperature: -10°C to 50°C / Relative Humidity: ≤90%RH (40°C)

Operation

1. Open the small platen and push the slider with the blade to the side to the front.
2. Strip fiber coating length about 30mm, with cotton balls dipping absolute alcohol to wipe the bare fiber clean.
3. After aligning the edge of the coated fiber with the appropriate scale (10-20mm) on the cutting knife, place the fiber in the fiber guide slot with the left hand and place the bare fiber straight on the rubber pad.
4. Close the small pressure plate and pressure bar, push the slide with the blade, make the blade cut the lower surface of the fiber, and slide freely to the other side, cut off the optical fiber, with gently force.
5. Hold the fiber cleaver with your left hand and open the lever with your right hand.
6. Hold the fiber with your left hand and open the small plate with your right hand and remove the fiber. Be sure that fiber does not touch other items.



Maintenance

Question 1: If the quality of the fiber end face deteriorates, please follow the steps below

Use a cotton swab dipped in anhydrous alcohol to clean the rubber surface of the upper and lower platens. Wipe the blade surface clean. If the above method does not work, please follow the method:

- a. Whirl the position of the blade
- b. Remove the receiving box of the fiber
- c. Loosen the two fixing screws of the blade
- d. Rotate the blade clockwise to the position of the next digit
- e. Tighten the fixing screws of the blade, noted that do not over-tighten
- f. Put on the receiving box of the fiber



Question 2: Replace blade

- a. Remove the receiving box of the fiber
- b. Loosen the two fixing screws of the blade
- c. Loosen the two fixing screws of the side of the board, take off the board
- d. Replace a new blade (From Saluki)
- e. Tighten the two bracket screw of the blade
- f. Tighten the two fixing screws of the side of the board, put on the board
- g. Tighten the fixing screws of the blade, noted that do not over-tighten
- h. Put on the receiving box of the fiber



Question 3: Adjust the height of the blade

If the fiber can't be cut off, first check whether the fiber is standard fiber. If the fiber isn't standard fiber, please replace the fiber. Then clean upper and lower platens and the blade. Finally adjust the height of the blade, follow the blow steps:

- a. Remove the receiving box of the fiber
- b. Loosen the two fixing screws of the blade
- c. Adjusting the increasing screws (Clockwise)
- d. Tighten the fixing screws of the blade, noted that do not over-tighten
- e. Put on the receiving box of the fiber