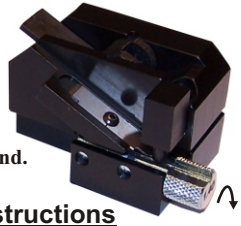
MSAT MICRO
Instruction Sheet



Patent Pend.

Features

- **Quick change buffer tube inserts available from 1.3mm to 1.8mm**
- **Easy double sided blade replacement with no field adjustments required**
- **Locking lever mechanism ensures the buffer tube is securely positioned**

Warning! **This tool should not be used on live electrical circuits. It is not protected against electrical shock!** Always use **OSHA/ANSI** or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.

Operating Instructions

1. Ensure the proper tube insert based on the predetermined buffer tube size is assembled in the tool and located properly. From its operating position shown in the photo above, the insert is rotated 1/4 turn clockwise to insert it or remove it from the tool. When switching over tube inserts, always check the insert alignment in the tool prior to the first use. Align the insert by eye as close as possible, then close the tool halves, allowing the shaving blade to precisely align it. Figure 2 shows the front of the tool with a properly aligned insert. The insert is squarely aligned to the pressure pad and the shaving blade.
2. Open the tool by first rotating the locking lever to the left side of the tool and manually open the top and bottom tool bodies. This will open the tool an additional and necessary 1/16" - 1/8" (1.5 - 3.0mm). (Fig.3)
3. Carefully lay the buffer tube in the tube insert. (Fig.4)
4. A. Close the top and bottom tool bodies manually together to secure the fiber tube in the tool. **Do not use the locking lever to close the tool at this time.** (Fig.5)

B. To ensure the buffer tube is properly positioned, slide the tool to the left approximately 1/4". It should slide easily with almost no resistance. If resistance is felt, the buffer tube may be improperly seated in the channel. Re-position the tube if necessary.

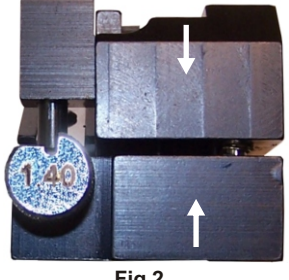


Fig.2

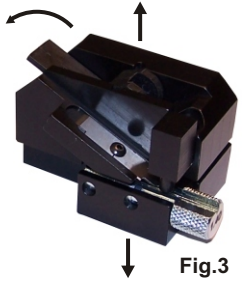


Fig.3

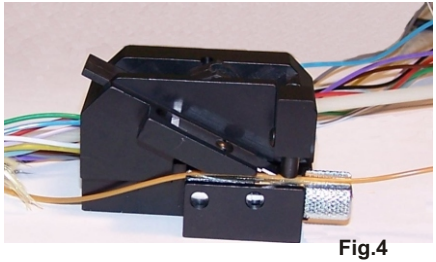


Fig.4

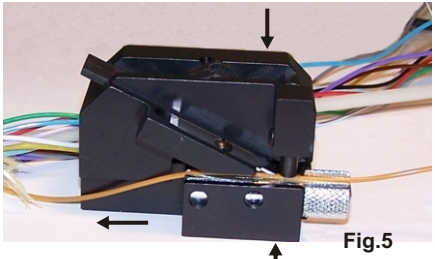


Fig.5

5. Rotate the locking lever to the right to lock the tool. Rotate the locking lever in a slow and deliberate motion. Avoid snapping it in place. (Fig.6)
6. Pull the tool toward you to engage the blade and shave a window in the buffer tube to the desired length. (Fig.7)
7. Rotate the locking lever to the left in a slow and deliberate motion to open the tool and remove the buffer tube. Avoid unsnapping the lever.
See listing for other available inserts.

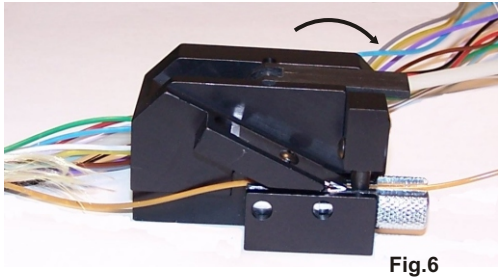


Fig.6

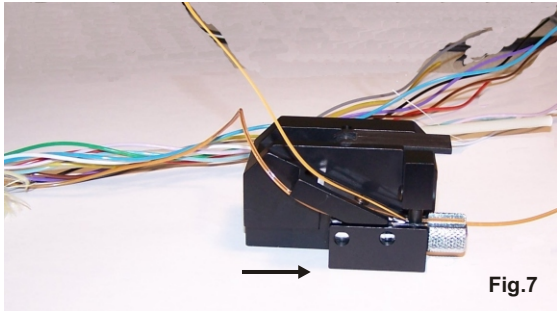


Fig.7

Buffer Tube Size	Insert Part No.	Buffer Tube Size	Insert Part No.	Buffer Tube Size	Insert Part No.
0.8 mm	81508	1.6 mm	81516	2.4 mm	81524
0.9 mm	81509	1.7 mm	81517	2.5 mm	81525
1.0 mm	81510	1.8 mm	81518	2.6 mm	81526
1.1 mm	81511	1.9 mm	81519	2.7 mm	81527
1.2 mm	81512	2.0 mm	81520	2.8 mm	81528
1.3 mm	81513	2.1 mm	81521	2.9 mm	81529
1.4 mm	81514	2.2 mm	81522	3.0 mm	81530
1.5 mm	81515	2.3 mm	81523		

Replacement Blade-Double Sided: p/n 81472
Changing or Reversing Blade: *Use caution when handling blades*. Use a 1/16" Hex wrench or the one supplied with the blade replacement kit to remove the blade holding screw. Reverse or replace blade as desired. Tighten screw to secure blade back in place.

WARRANTY: RIPLEY warrants its products against defective materials and workmanship for a period of one year from date of shipment from the RIPLEY factory provided the product is utilized in accordance with instructions and specified ratings.

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