INSTALLATION QUICK-GUIDE

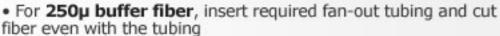
Buffer Mounting for IMT Connectors: ST, SC, FC, SP

For preparation of 250µ buffer fiber mounting insert into required fan-out tubing & cut fiber even with tubing

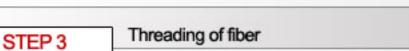
STEP 1

Slide appropriate strain relief boot(s) onto the fiber

Buffer stripping



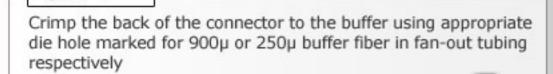
- For 900µ & 250µ buffer fiber in fan-out tubing Strip buffer 3 to 5 mm (~1/8" min. to 3/16" max.)
- Clean any residue on fiber to facilitate threading step



Buffer crimping



 Thread fiber through connector as far as it will go (gently) move the connector/tool to facilitate threading of the fiber)



Impact mounting STEP 5

 Using the Hand Tool, place the ST/SC/FC/SP Insert onto the rails (use a screwdriver to secure the Insert)

DON'T overscrew - this will bend the 2 rods and make alignment block hard to slide

- Lay the connector snuggly on the V-groove of the insert by placing the tail end of the connector first
- Slide the alignment block forward to the connector tip (sliding) should be easy if rods are not bent)
- Hold down the handle without actual impacting to help bring alignment block forward next to the connector tip
- Test proper alignment by sliding the alignment block slightly in and out of the tip of the connector by hand; it should be easily done
- Do actual Impact Mounting by squeezing the handle hard (a "click" sound will be heard)

Hand cleaving STEP 6

Place the blade parallel to the surface of the connector tip and cleave at the very base of the fiber; then bend the fiber with the blade for a clean break-off

Caution: Dispose all fibers safely; glass fibers are harmful to your health

STEP 9

Slide strain relief boot(s) in place over the back of connector

STEP 10

For SC connector only

Install SC component parts together with correct alignment

STEP 11

Hand Polishing



- Using an appropriate polishing puck, polish fiber surface with 3µ paper about 12 time (light pressure first for about 2 seconds and then press harder)
- Finish gently with 0.3µ paper for another 12 times

Use figure-8 motion to cover a diameter of 4" for all polishing or best results; center core fiber should be mirror-finished; ignore minor scratches outside core (repolish more if necessary to achieve desirable result)

DO NOT Over polish: too much polishing will remove the impacted connector tip and fiber will loosen up

Additional Tips

STEP #1 - It is recommended to use both small and big strain relief boots for buffer fiber mounting for additional support

STEP #2 - Make sure the transparent buffer is completely stripped to avoid threading problem

STEP #4 & #8 - Make sure to squeeze handles of crimp tool to close completely for full force

STEP #5 - Do not impact driver cone without connector in it; it will damage the empty cone

STEP # 5 - Clean driver cone frequently with brush for any debris to avoid impact mounting problem

For 250µ buffer fiber – fan-out tubing is required Buffer crimp will not compress on smaller fiber without the tubing



STEP 4









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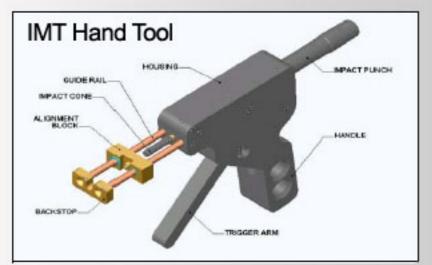
OPERATIONAL TIPS

DO:

- Always handle fiber carefully and dispose of any debris in a safe manner. Glass fiber can cause serious health problems.
- It is important to check driver cone frequently for any broken fiber debris inside. Clean as necessary with brush. Debris will cause problem for impact mounting.
- Strip buffer about 3mm to 5mm max in length. Too much bare fiber protruding at the front tip may cause breakage in the cone.
- 4. Make sure the clear, transparent buffer coating is completely stripped by firmly stripping the fiber buffer through the Micro-Strip stripper. Incomplete stripping of the buffer coating will not allow fiber to be inserted through the connector. Clean all residue from the stripped fiber for easier threading through the connector.
- 5. To test for perfect alignment of the connector, alignment block and impact cone:
 - a) slide the alignment block forward to the connector (sliding should be easy if rods are not bent by over-screwing when installing the insert)
 - b) Hold down the handle without actual impacting to bring the alignment block forward next to the connector tip
 - c) Alignment block should be able to slide in & out of the tip easily when tested by hand
- 6. Crimping should be done in a single smooth motion. Jerking and irregular motion may result in misalignment of components and/or broken fibers.
- Squeeze the handles of the crimping tool until they COMPLETELY close (this may go beyond the ratchet release) to ensure the crimping action has the maximum force.
- It is recommended to hand polish with a 12μ ALO lapping paper in the AIR, 2 to 3 times to remove any rough edges
 prior to polish with the polishing tool.
- 9. Always start polishing GENTLY, then increase pressure gradually with 3µ ALO paper. Too much pressure at the start may break the fiber. Finish gently with 0.3µCA paper. Center core of the fiber should have mirror-finish. Any scratches outside the core can be ignored. Achieve fast polish no epoxy to remove.

DON'T:

- DO NOT over polish. It will remove the impacted area and the fiber will become loose. Total polishing should take no more than 20 seconds. Polishing is fast because there is no need to remove epoxy (count no more than 12 times for each polishing paper).
- DO NOT overscrew when installing insert, this will bend the 2 rods and make alignment block hard to slide.
- 3. DO NOT interchange driver cone with other tool kits. Calibration of the kit will be affected.
- DO NOT fire the punch with empty cone. This may damage the cone.
- DO NOT adjust the impact mount power of the impact tool. The power adjustment has been preset.



Sales & Technical Questions

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