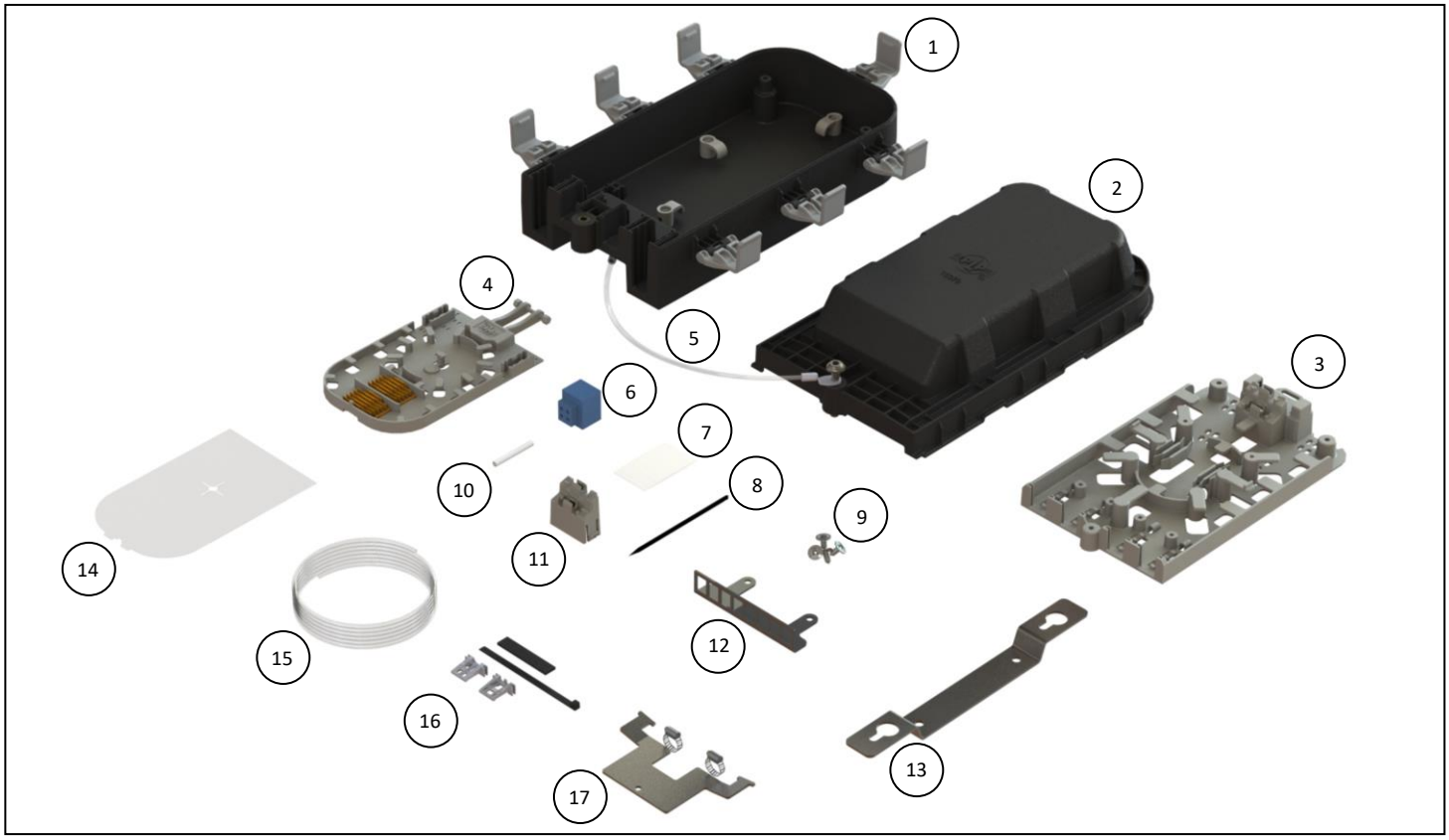
PREFORMED LINE PRODUCTS
The connection you can count on.

February 2021

COYOTE® STP-L

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED product before application.



NOMENCLATURE

1. Base (1)
2. Cover (1)
3. Base tray (1)
4. Splice tray (2-4)
5. Cover lanyard (1) [Aerial applications only]
6. Grommet (6)
7. Silicon sachet (3)
8. Fiber pick (1)
9. Self-tapping screws (9-14)
10. Plug (6-24)
11. Tray hinge (1) [Cross-connect, 72 & 96 Fiber only]
12. Bulkhead (1) [Cross-connect only]
13. Pole mount bracket (1) [Aerial applications only; complete with pole mounting hardware]
14. Tray dust cover (1)
15. Transportation tube
16. Cable retention hardware
17. External cable fixation bracket (1) [Aerial applications only; complete with hose clamps]

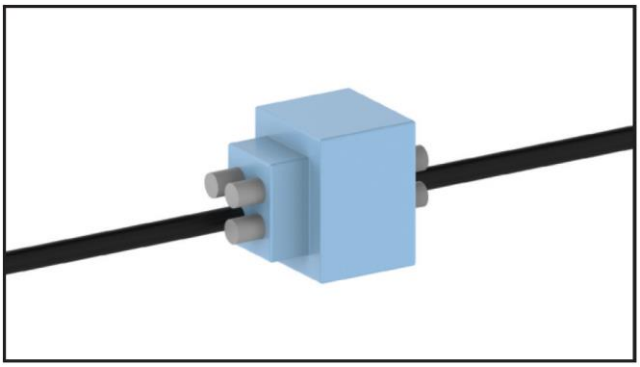
General cable preparation

Step #1 Measure the diameter of the cable to ensure that it is being used with the correct grommet.

For expressed applications, slit the grommet along the lines shown below.

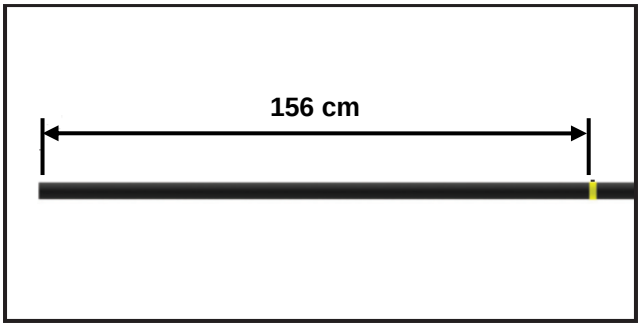
Feed/Branch Grommet Selection (Select 4)		Cable Diameter Range
A		SOLID / PLUG
B		0.170" – 0.220" (4.3 – 5.6 mm) ROUND CABLES
C		0.220" – 0.270" (5.6 – 6.9 mm) ROUND CABLES
D		0.270" – 0.320" (6.9 – 8.1 mm) ROUND CABLES
E		0.320" – 0.370" (8.1 – 9.4 mm) ROUND CABLES
F		0.370" – 0.420" (9.4 – 10.7 mm) ROUND CABLES
G		0.420" – 0.470" (10.7 – 11.9 mm) ROUND CABLES
H		0.470" – 0.550" (11.9 – 14.0 mm) ROUND CABLES
K		.093" – .125" (2.4 – 3.2 mm) ROUND CABLES

Step #2 Install a plug into any unused hole of the grommet.

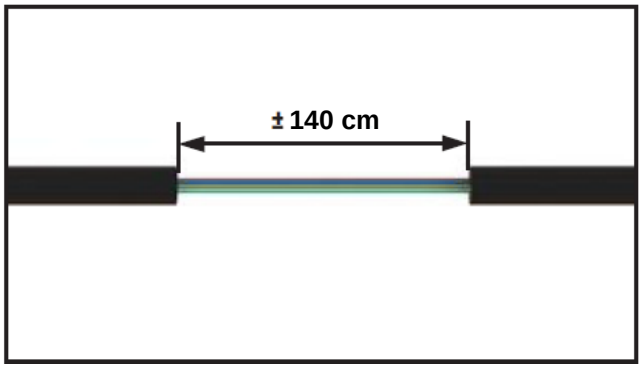


Branch cable preparation

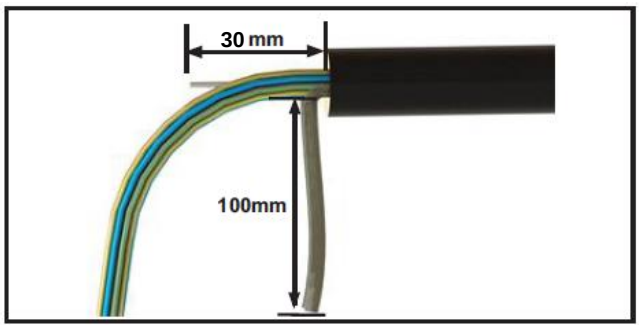
Step #3a Measure, mark and remove the cable sheath for cut cables as shown below.



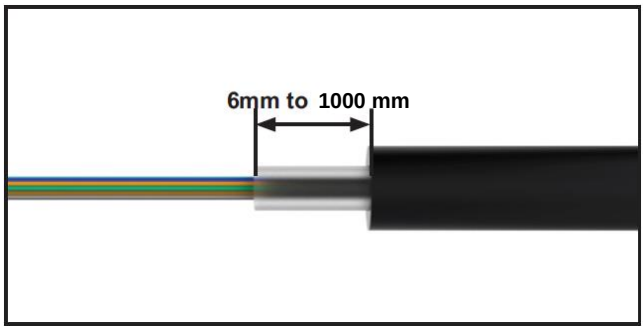
Step #3b Measure, mark and remove the cable sheath for expressed cables as shown below.



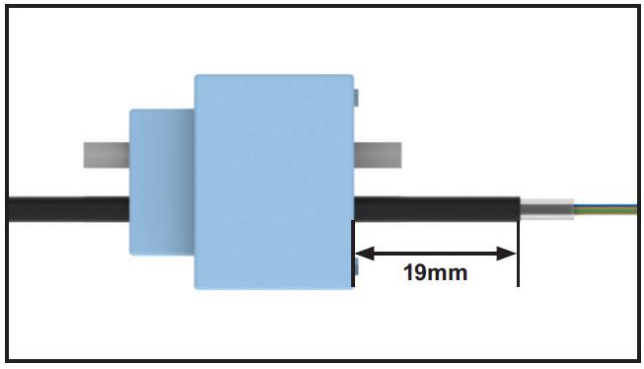
Step #4 With the sheath removed, measure and cut 100mm of yarn and 30mm of strength member for tie-off.



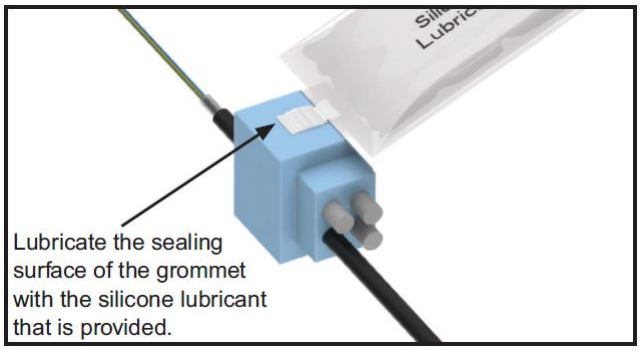
Step #5 Remove the buffer tubes for cut cables at a minimum of 6mm and a maximum of 1000mm away from sheath opening.



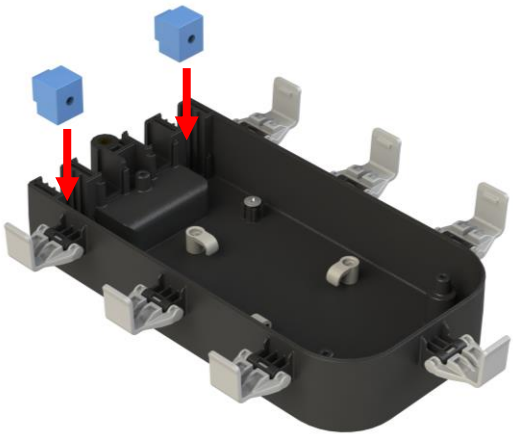
Step #6 Adjust the cable so that the sheath opening is positioned 19mm away from the grommet.



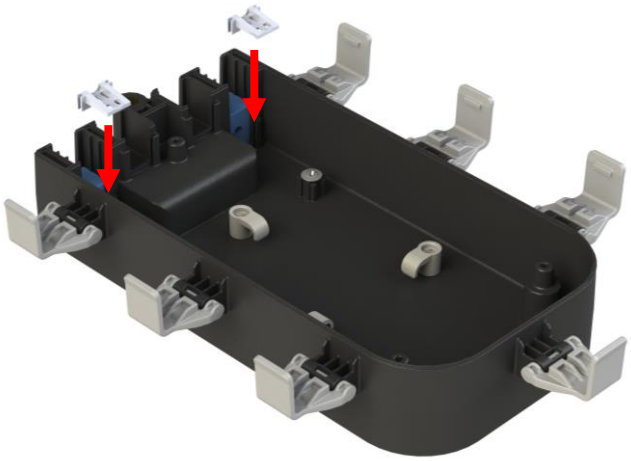
Step #7 Lubricate all four outer surfaces each grommet. Once the lubricant has been applied, smear it to provide a thick coating on each surface. Lubricate all mating surfaces of the closure including around the cable and the cover gasket.



Step #8 Insert the grommets into the outer pockets of the base. Ensure the grommets are fully installed.

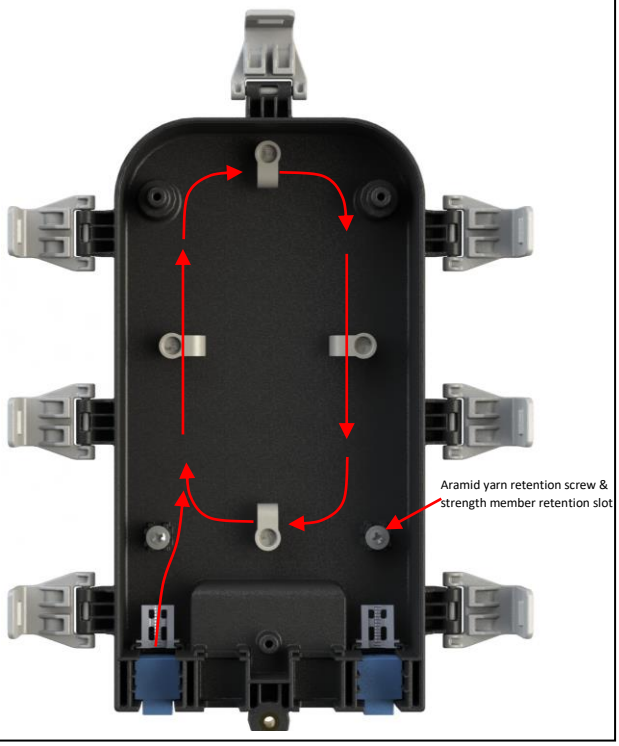


Step #9 Insert retention clips into the slots on the base. Ensure they are fully installed. **See STP Retention clips applications instructions for cable retention instructions.**

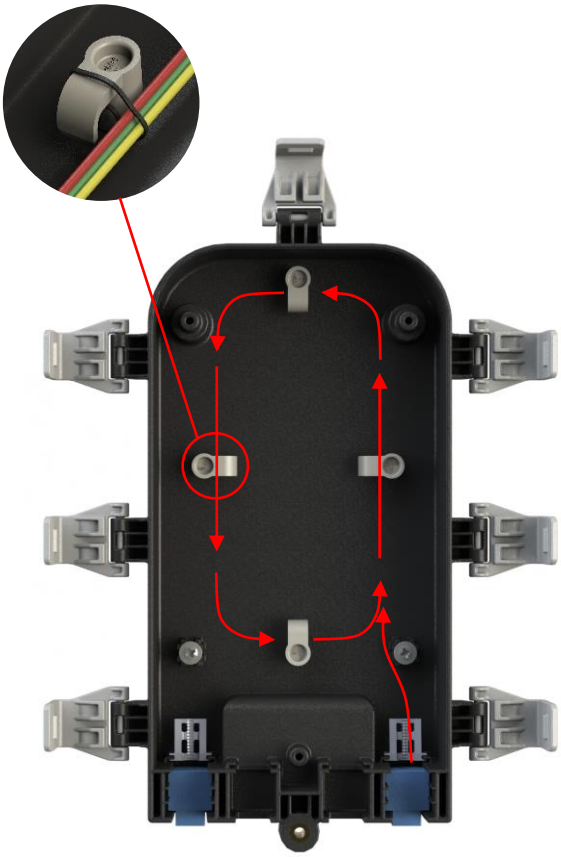


Buffer tube routing

Step #10a Route the buffer tubes.

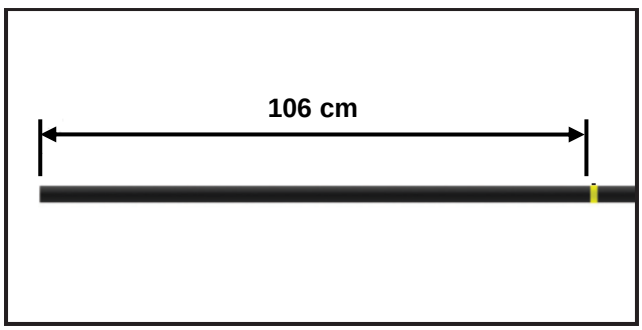


Step #10b Route the buffer tubes (alternate orientation). Cable ties can be used to secure buffer tubes to hooks.

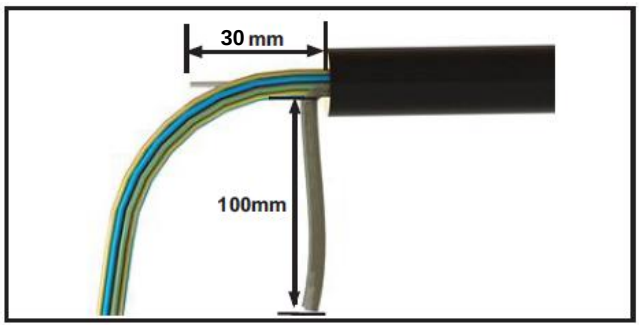


Drop cable preparation

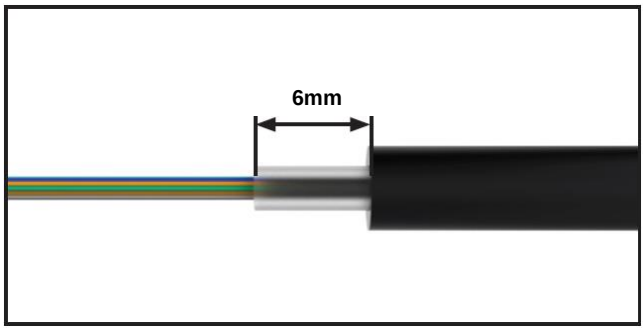
Step #11 Measure, mark and remove the cable sheath as shown below.



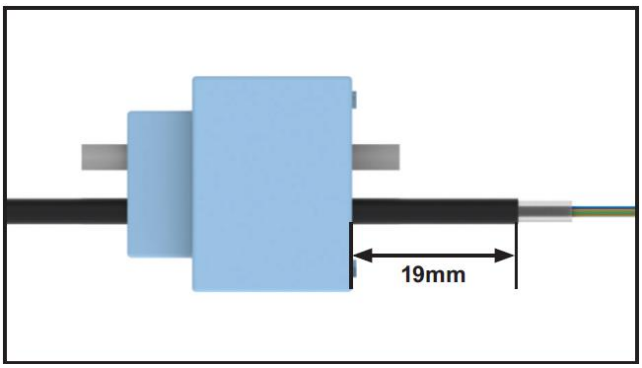
Step #12 With the sheath removed, measure and cut 100mm of yarn and 30mm of strength member for tie-off.



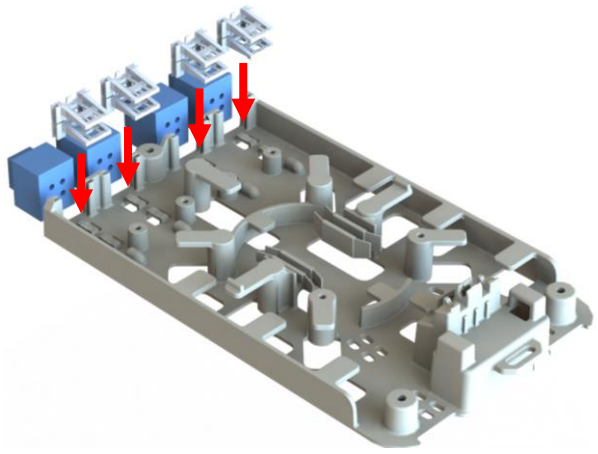
Step #13 Remove the buffer tubes for cut cables 6mm away from sheath opening.



Step #14 Adjust the cable so that the sheath opening is positioned 19mm away from the grommet.

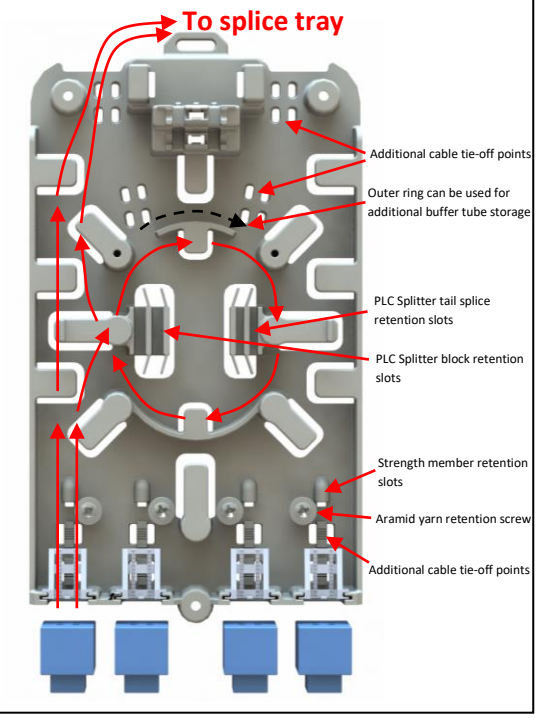


Step #15 Align the grommets with the base tray. Insert retention clips into the slots on the base tray. Ensure they are fully installed. **See STP Retention clips applications instructions for cable retention instructions.**

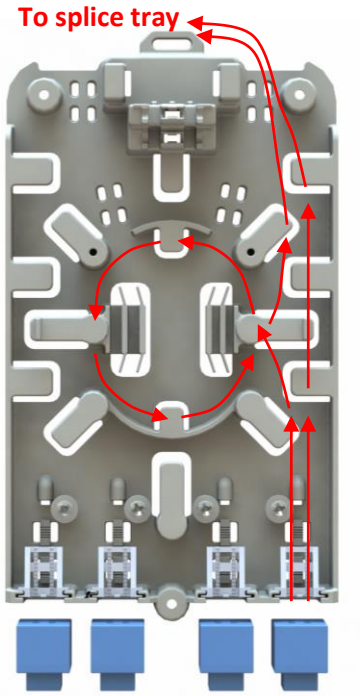


Fiber routing in the base tray

Step #16 Route the incoming fibers.



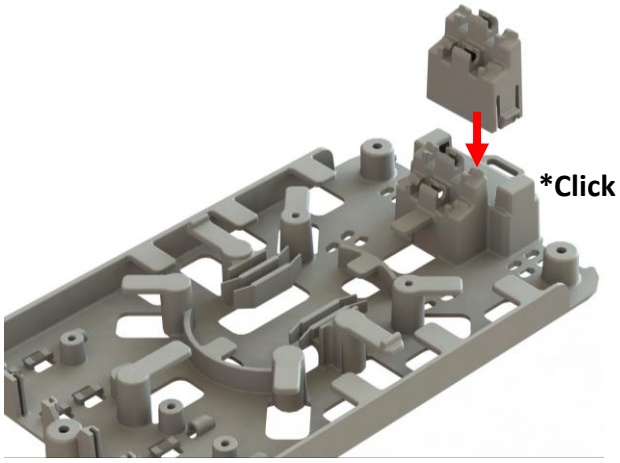
Step #17 Route the outgoing fibers.



Splice tray installation (Splice only)

Step #18 Install the splice tray/s into the hinge/s on the base tray.

Step #19 If more than two splice trays are required, install the tray hinge onto the base tray. Then repeat step #18 for the remaining splice trays.

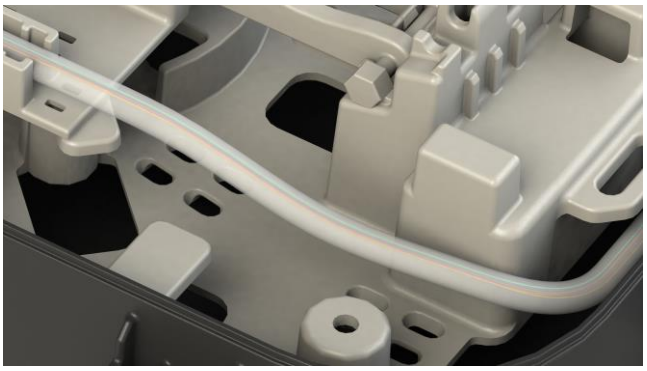


Splice tray installation (Cross-connect)

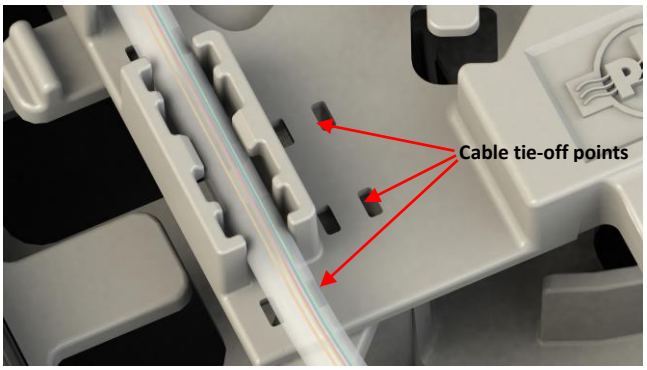
Step #20 See step #19 for tray hinge installation. Install the splice tray/s into the hinge/s on the tray hinge. Leave the two bottom hinges on the base tray clear

Fiber routing in the splice tray (Splice only)

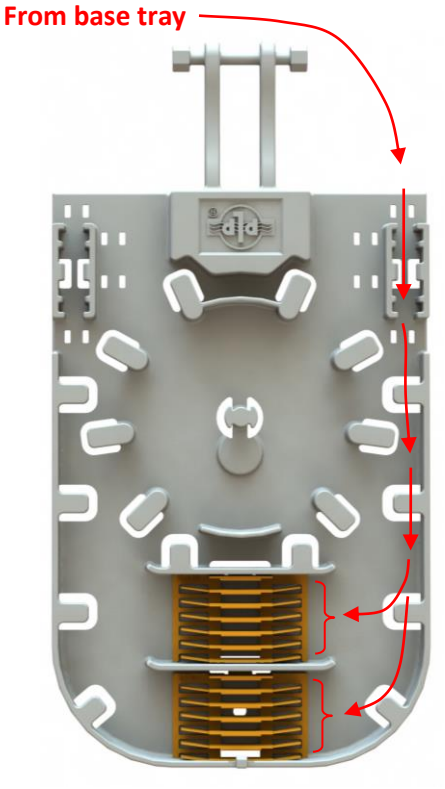
Step #21 Ensure that all bare fiber being routed to the splice tray/s are routed through the transportation tube provided. Cut the transportation tube to length as required.



Step #22 Secure the transportation tube to the tie-off points on the splice tray using the cable ties provided.



Step #23 Route the incoming fibers



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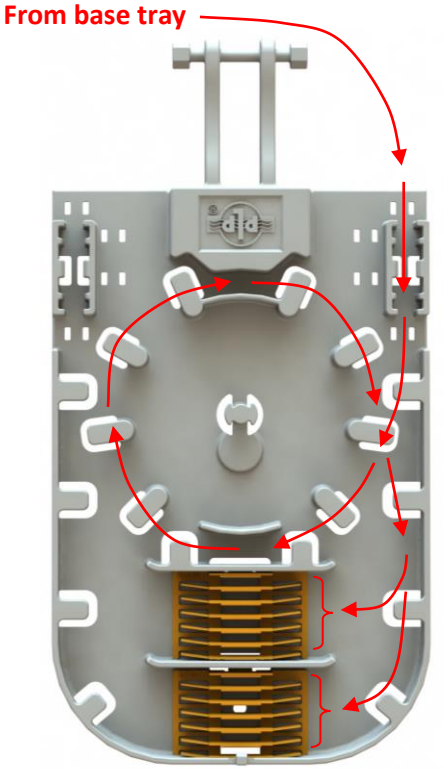
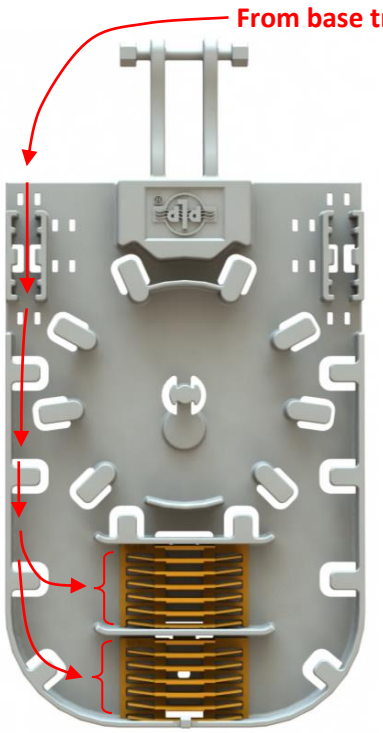


Step #24 Route the outgoing fibers



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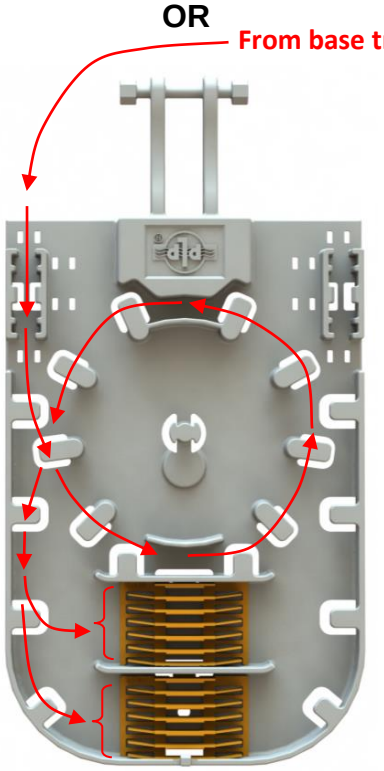
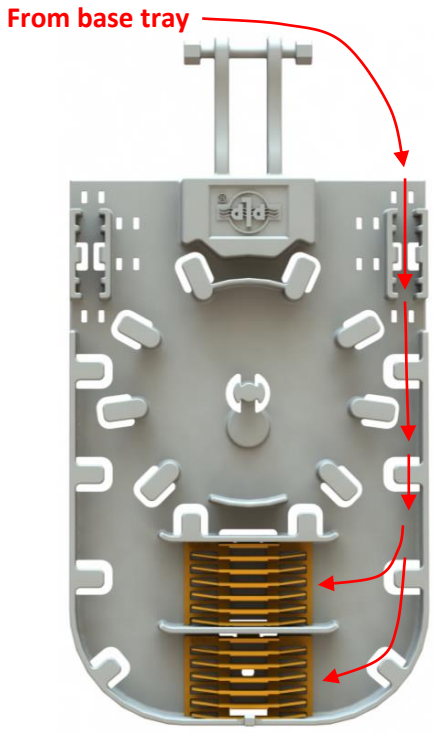


Step #25 Splice the incoming fibers to the outgoing fibers per your accepted company practice (Skip to step 36).

Fiber routing in the splice tray (Cross-connect)

Step #26 Follow steps 21 & 22. Route the incoming fibers.



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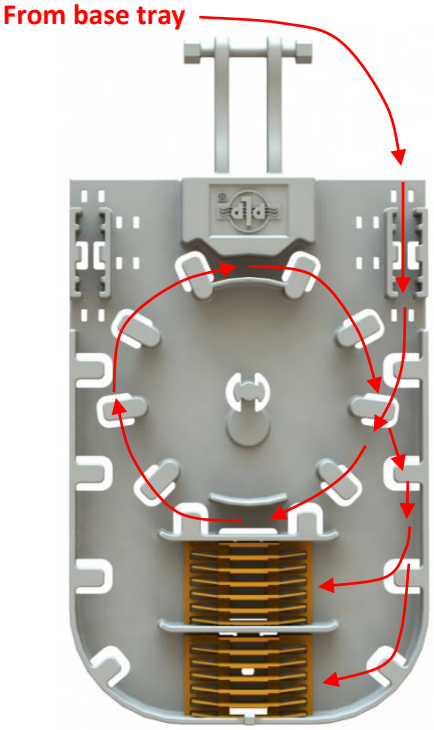
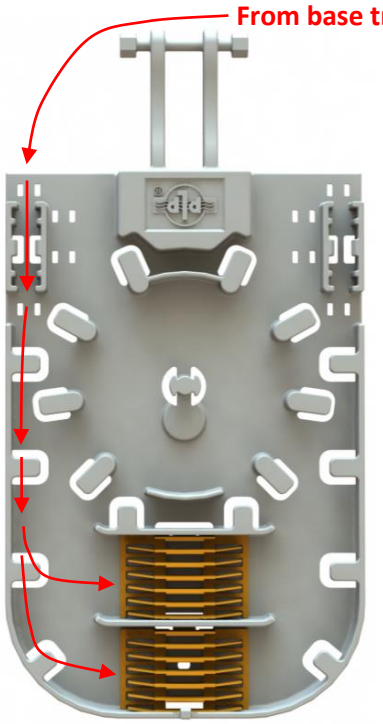


Step #27 Route the outgoing fibers



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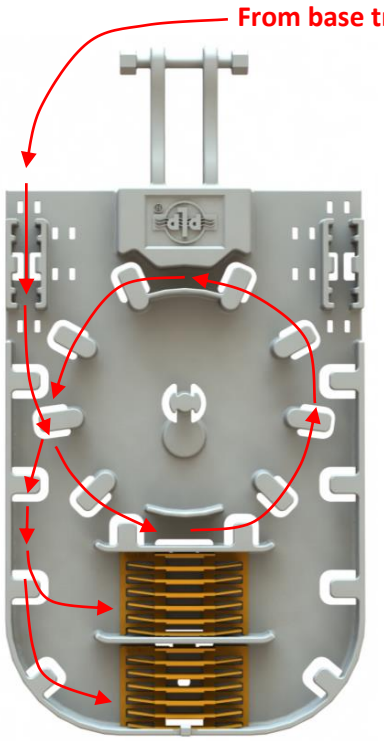
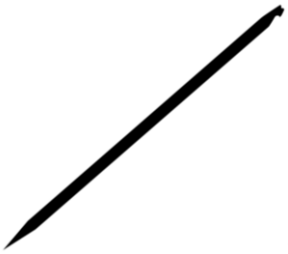
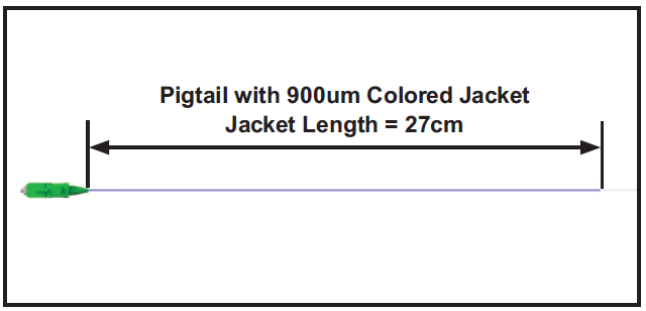


Note: A fiber pick is provided on the inside of the cover to assist in maneuvering fibers when routing.



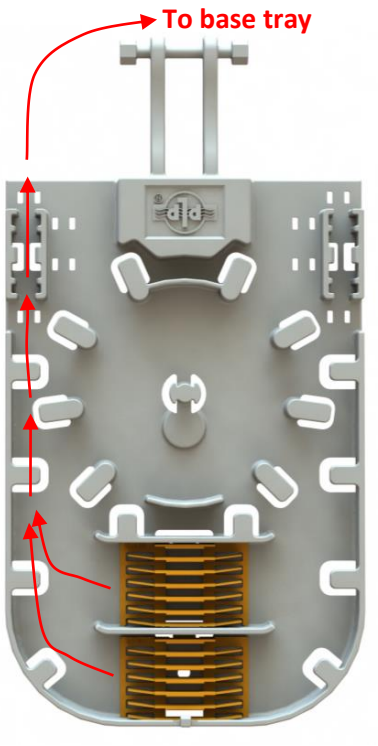
Preparation and routing of pigtails (Cross-connect)

Step #28 Measure and mark the jacket of the pigtails as shown below. Remove the jacket of each pigtail beyond the marked location.



Step #29 Splice the incoming fibers to the incoming pigtails and the outgoing fibers to the outgoing pigtails per your accepted company practice.

Step #30 Follow steps 21 & 22. Route the incoming pigtails.



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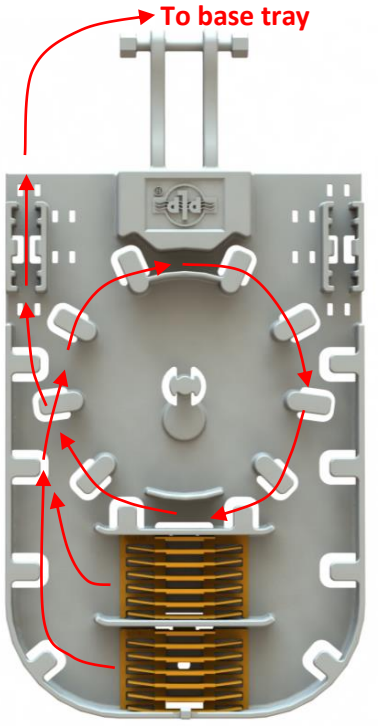
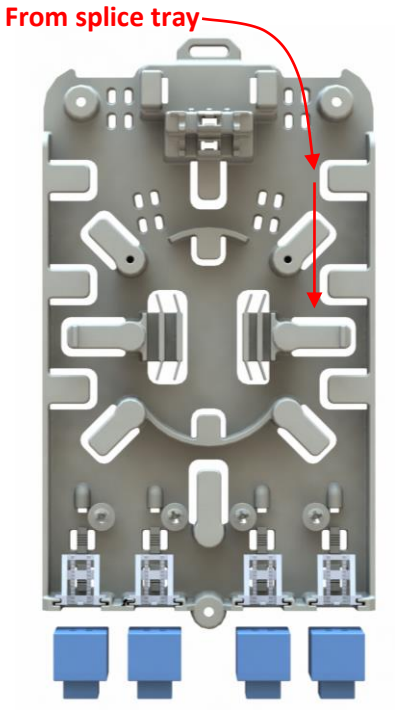


Step #31 Route the incoming pigtails (continued)



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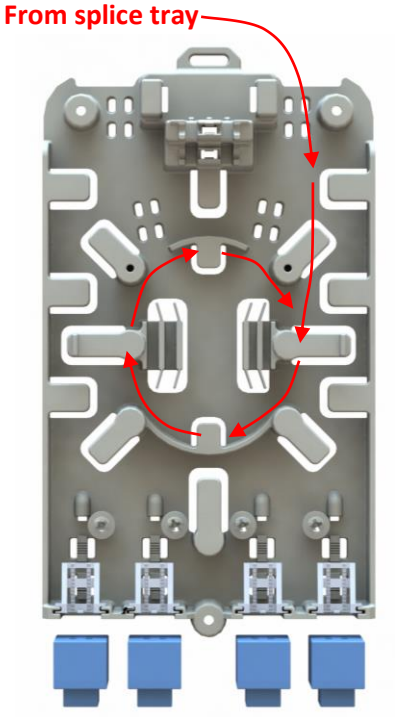
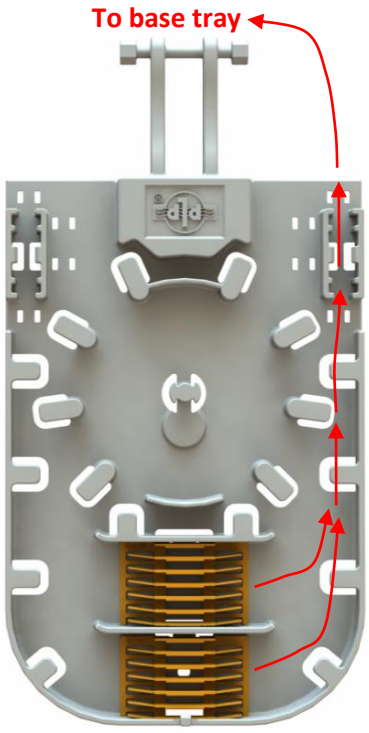


Step #32 Route the outgoing pigtails.



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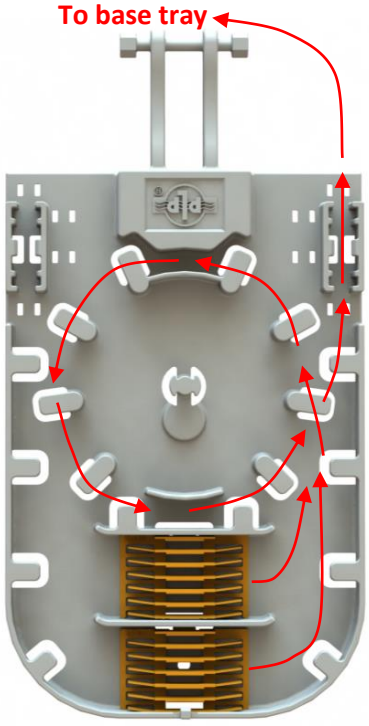
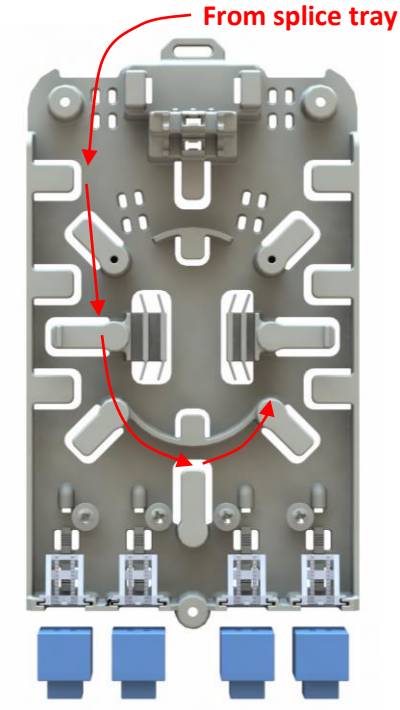


Step #33 Route the outgoing pigtails (continued)



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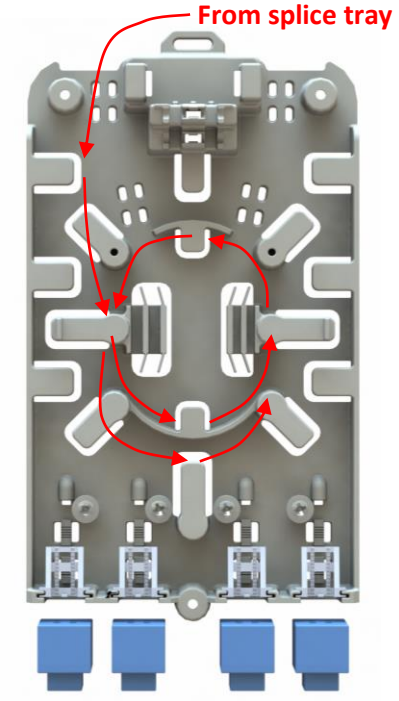
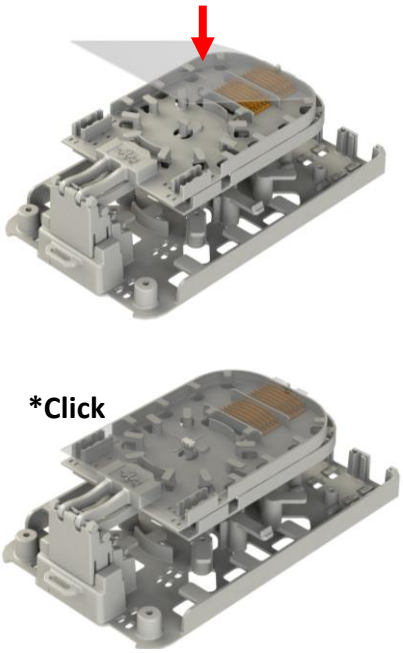


Splice tray dust cover installation

Step #34 Install the splice tray dust cover on the uppermost tray as shown below.

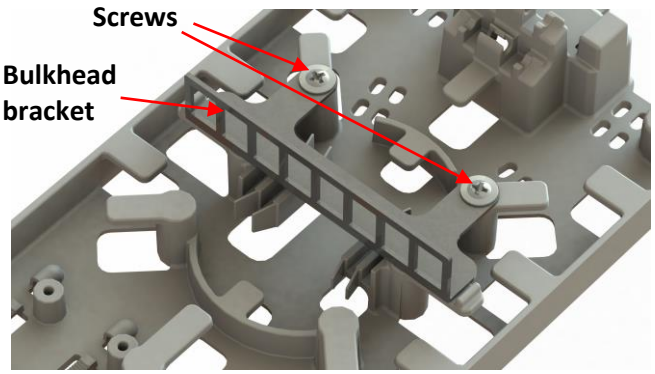


Splice tray indexing

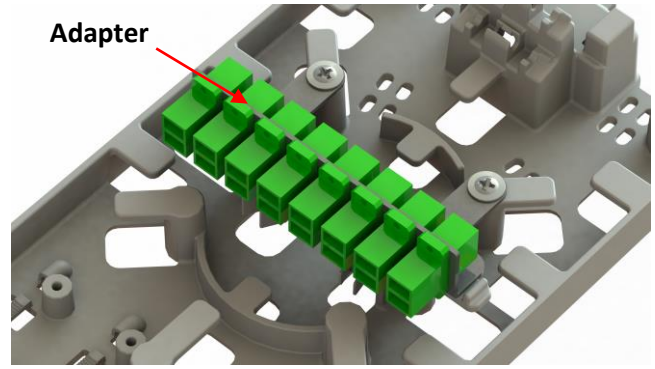
Step #35 When raising splice trays, insert the tab on each successive tray into the hole on the tray above.

Bulkhead installation (Cross-connect only)

Step #36 Secure the bulkhead bracket to the base tray by tightening the screws provided.

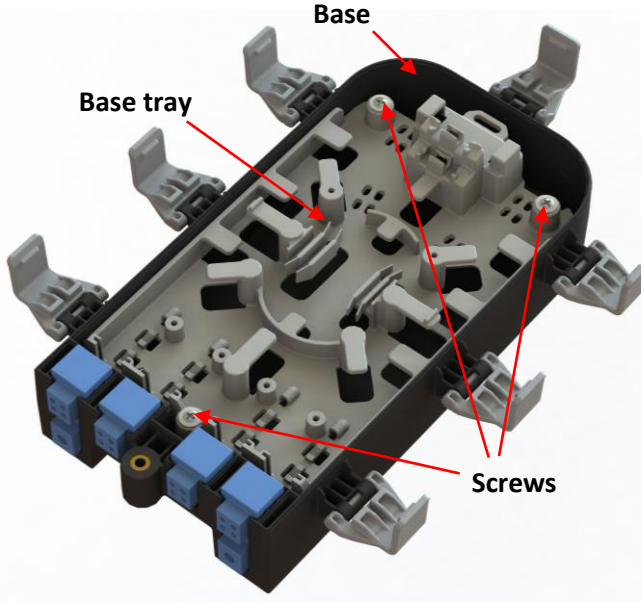


Step #37 Install the adapters into the bulkhead. Insert the pigtail connectors into the adapters as required.



Base tray installation

Step #38 Lubricate the grommets as per step #7. Secure the base tray to the base by tightening the screws provided.



Cover installation

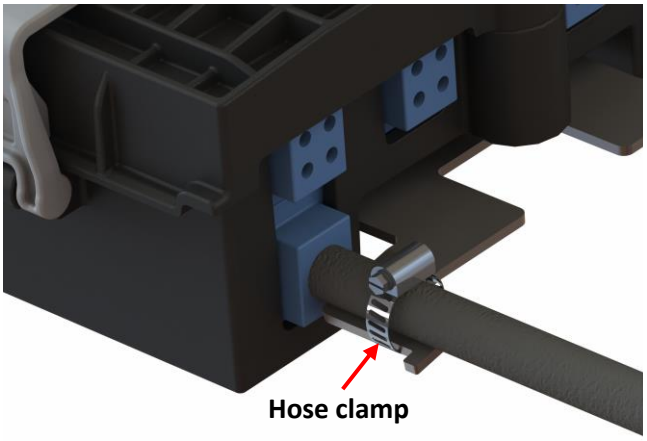
Step #39 Lubricate the cover gasket with a light coating of silicone lubricant.

Step #40 Place the cover on the base. Secure the cover by pressing down on it and rotating the latches until they snap in place over the cover. Tighten the screw sufficiently with the allen key provided. Max torque – 4Nm

External fixation bracket installation (Aerial applications only)

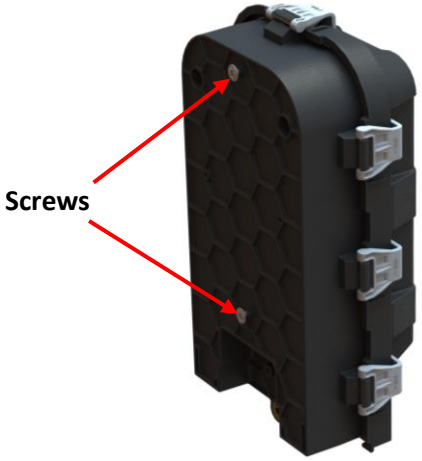
Step #41 Secure the external cable fixation bracket to the STP-L by tightening the screw provided.

Step #42 Secure the cable to the external fixation bracket using the hose clamp provided.



STP-L Preparation for mounting bracket (Aerial applications only)

Step #43 Install mounting screws as shown below.

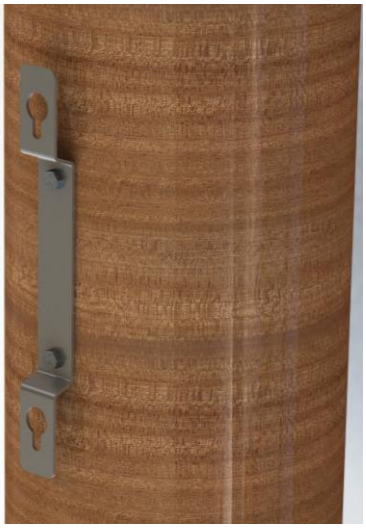


Mounting bracket installation (Strapped)

Step #44 Secure the mounting bracket to the pole using the strapping provided. Ensure the keyhole slots are oriented as shown below.

Mounting bracket installation (Coach screws)

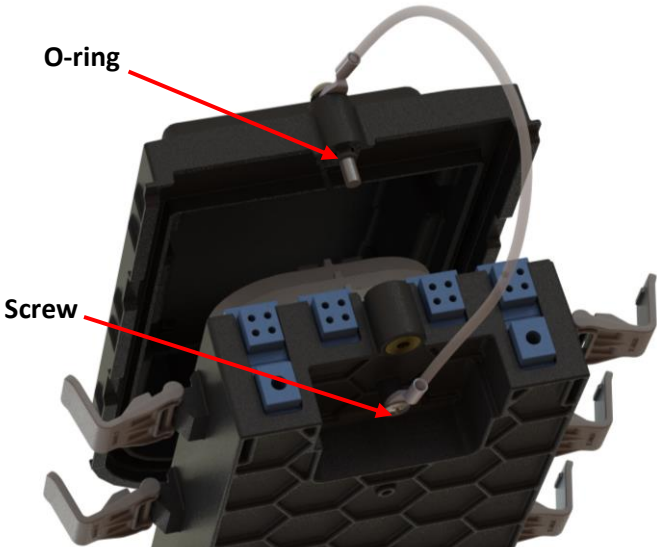
Step #45 Secure the mounting bracket to the pole using the coach screws provided. Ensure the keyhole slots are oriented as shown below.



Step #46 Install the STP-L onto the mounting bracket.

Cover lanyard installation (Aerial applications only)

Step #47 Remove the M6 bolt from the cover and install the cover lanyard with the screw as shown below. Ensure the O-ring is put back in place after installation.



SAFETY CONSIDERATIONS

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. **FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.**

Do not modify this product under any circumstances.

This product is intended for use by trained technicians only. **This product should not be used by anyone who is not familiar with, and not trained to use it.**

When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.

PREFORMED products are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.

PREFORMED LINE PRODUCTS

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