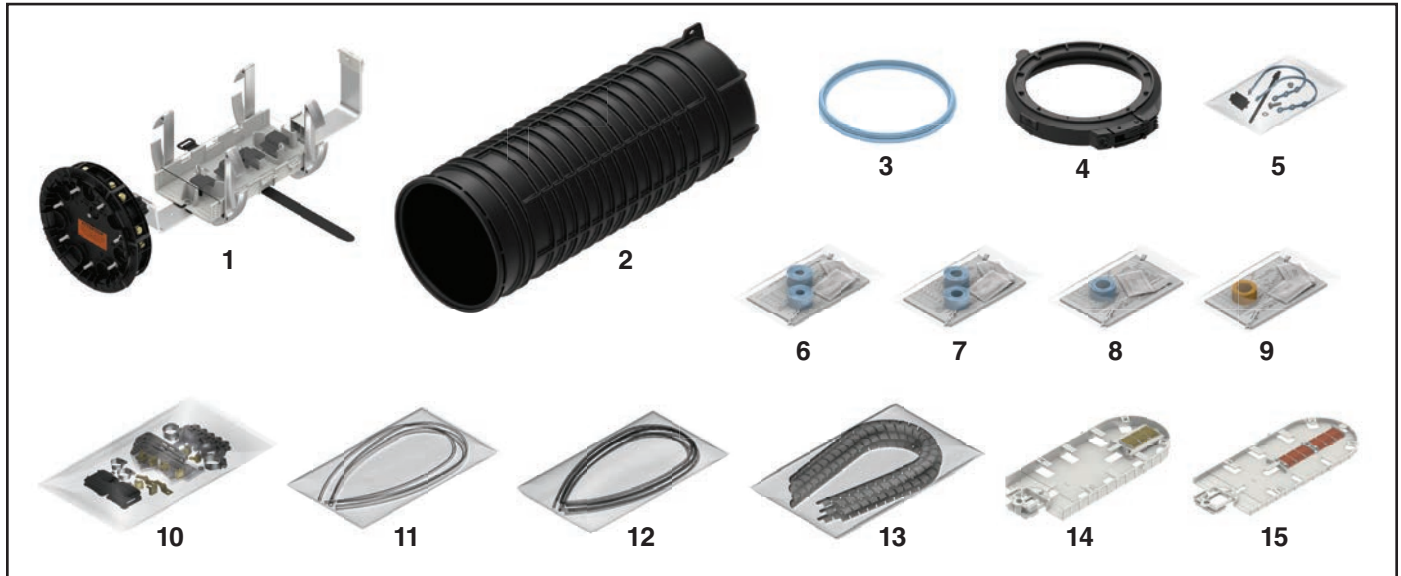




## COYOTE® Dome Closure 9.5" x 28" with Transition Tray for High Density Splice Applications

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



### NOMENCLATURE

- |  |   |
|--|---|
| 1. End Plate with HD Transition Tray Organizer (1)           | 9. 1 Hole Grommet Kit (0 or 2)<br>(1.25" – 1.38" Cable Range) |
| 2. Dome Cover (1)  | 10. Small Parts Bag (1)                                       |
| 3. Dome Gasket (1)   | 11. Transition Tube Kit (1)                                   |
| 4. Dome Collar (1)   | 12. Transport Tube Kit (1)                                    |
| 5. HD Closure Small Parts Bag (1)                            | 13. Spiral Wrap Tube Kit (1)                                  |
| 6. 1 Hole Grommet Kit (0 or 1)<br>(.60" – .85" Cable Range)  | 14. Ribbon Splice Tray - Deep<br>(Order Separately)           |
| 7. 1 Hole Grommet Kit (0 or 1)<br>(.85" – 1.0" Cable Range)  | 15. Single Fusion Splice Tray - Thin<br>(Order Separately)    |
| 8. 1 Hole Grommet Kit (0 or 2)<br>(1.0" – 1.25" Cable Range) |   |
















### TOOLS REQUIRED

- 3/8" & 7/16" Can wrench or socket wrench
- Side Cutters
- Snips
- Fiber optic cable opening tools

**COYOTE Splice Tray Capacity Chart for COYOTE Dome Closure 9.5" x 28" with Transition Tray for High Density Splice Applications**

PLP Catalog Number	Description	Image	Splice Type	Max Trays per Closure	Closure Splice Capacity
80813121	Long Deep Profile Ribbon Flip Tray (288ct)		Mass Fusion/Ribbon	4	1,152
80813123	Long Thin Profile Single Fusion Flip Tray (72ct)		Single Fusion (Double Stack)	8	576

PLP Catalog Number	Description
<b>COYOTE® Dome Closure 9.5" x 28" Kits for High Density Splice Applications</b>	
<b>80061406</b>	COYOTE Dome Closure 9.5" x 28" without Transition Tray for cables under 1.25" diameter. Includes (1) 1 Hole Grommet Kit - Cable Range .60"-.85" & (1) 1 Hole Grommet Kit - Cable Range .85"-1.0"
<b>80061407</b>	COYOTE Dome Closure 9.5" x 28" with Transition Tray for cables under 1.25" diameter. Includes (1) 1 Hole Grommet Kit - Cable Range .60"-.85" & (1) 1 Hole Grommet Kit - Cable Range .85"-1.0"
<b>80061408</b>	COYOTE Dome Closure 9.5" x 28" without Transition Tray for cables over 1.25" diameter. Includes (2) 1 Hole Grommet Kit - Cable Range 1.0"-1.25" & (2) 1 Hole Grommet Kit - Cable Range 1.25"-1.38"
<b>80061409</b>	COYOTE Dome Closure 9.5" x 28" with Transition Tray for cables over 1.25" diameter. Includes (2) 1 Hole Grommet Kit - Cable Range 1.0"-1.25" & (2) 1 Hole Grommet Kit - Cable Range 1.25"-1.38"
<b>Accessory Kits for COYOTE Dome 9.5" x 28" Closures</b>	
<b>80807991</b>	100ft. Roll of .25" ID Tubing
<b>80812618</b>	Pack of (4) 18" Long Pieces of .25" ID Tubing
<b>80807571</b>	6ft. Long Piece of .375" O.D. Spiral Wrap Tubing
<b>80805066-6</b>	6ft. Long Piece of .625" O.D. Spiral Wrap Tubing
<b>80812881</b>	100ft. Roll of .625" O.D. Spiral Wrap Tubing
<b>800015235</b>	Replacement End Plate for the COYOTE Dome Closures 9.5" x 19" and 9.5" x 28"
<b>80812608</b>	Closure O-Ring Sealing Gasket for the COYOTE Dome Closures 9.5" x 19" and 9.5" x 28"
<b>80808528-1</b>	Latching Collar for the COYOTE Dome Closures 9.5" x 19" and 9.5" x 28"
<b>800015236</b>	Strength Member Bracket Kit – Includes 3 Long L-Brackets and 3 Hose Clamps
<b>80808651</b>	Strength Member Bracket Kit – Includes 4 Long L-Brackets
<b>80809205</b>	Strength Member Bracket Kit – Includes 2 Short L-Brackets
<b>80813124</b>	Splice Tray Locking Pin Kit. Includes (6) tray locking pins
<b>80813125</b>	Splice Tray Tether Kit. Includes (6) Splice Tray Tether Straps
<b>80811036</b>	6 Position Bobbin Kit for Retaining Drop Cables
<b>COYEPFIX1</b>	COYOTE Dome End Plate Fixture
<b>Mounting Brackets for COYOTE Dome 9.5" x 28" Closures</b>	
<b>8004037</b>	Aerial Adjustable Offset Mounting Bracket (Dome Mount) - Strand Applications
<b>8004038</b>	Aerial Adjustable Offset Mounting Bracket (Dome Mount) - ADSS Applications
<b>8003942</b>	Pole/Wall Mounting Bracket
<b>8004003</b>	Manhole Support

<b>COYOTE Grommet Chart for COYOTE Dome Closure 9.5" x 28" for High Density Splice Applications</b>				
PLP Catalog Number	Cable Range Inches (mm)	Description	Image	Slitting Location
8003692	.60" - .85" (15 - 22 mm)	1-entry grommet		
8003693	.85" - 1.0" (22 - 25 mm)	1-entry grommet		
8003694	1.0" - 1.25" (25 - 32 mm)	1-entry grommet		
*8004145	1.25" - 1.38" (32 - 35 mm)	1-entry grommet		
8003663	.42" - .60" (11 - 15 mm)	2-entry grommet		
8004065	.250" - .312" (6 - 8 mm)	4-entry grommet		
8003664	.30" - .43" (8 - 11 mm)	4-entry grommet		
8003677	.125" - .25" (3 - 6 mm)	8-entry grommet		N/A

\*8004145 Grommet Kit can only be used in ports 3 and 6.

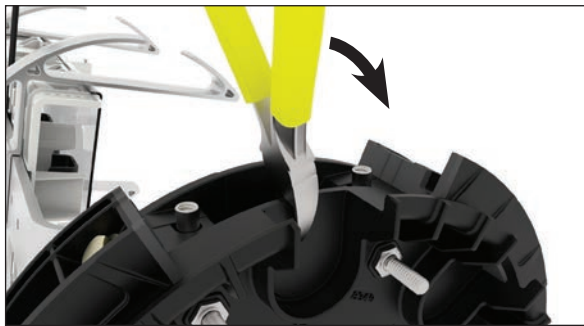
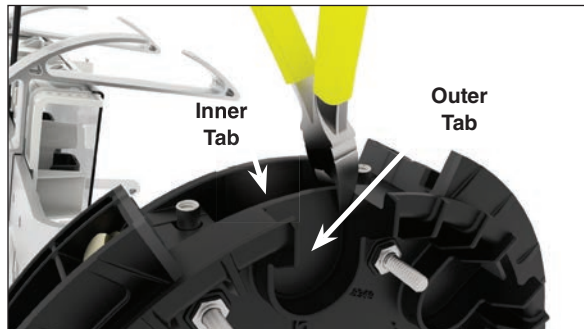
## END PLATE PREPARATION

**Step #1** Determine which cable ports will be used and mark the respective breakout tabs of the end plate.



**NOTE:** For expressed buffer tube ribbon cables, use cable ports 3 and 6. Use all other cable ports for branch or drop cables if required

**Step #2** Remove the end plate caps from the selected cable ports. Break out the outer and inner tabs of each cable port by snipping the grooves on both sides of each tab with side cutters. Once the grooves have been snipped, remove each tab by pulling the tab outwards from the end plate.

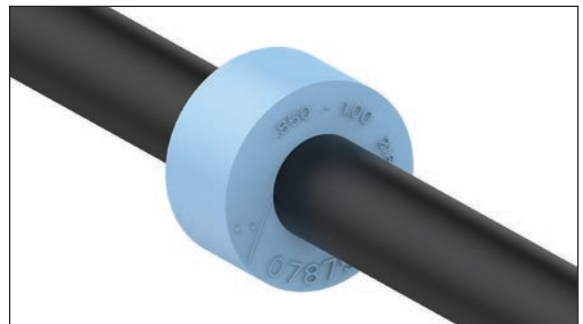


## CABLE PREPARATION

**Step #3** Measure the cable to determine the diameter and hole location to use in the grommet.



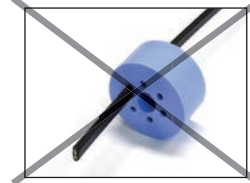
**Step #4** If using cut cable, insert the cable through the grommet. If your application requires express/balloon/ring cut cables, **see Step 7 for the grommet slitting procedure.**



**Step #5** Installing Figure 8 Style Cables and Cables with Tracer Wires

Remove tracer wire or ground wire from the portion of the cable that will be positioned in the grommet and insert cable into the grommet.

**Cable with Tracer Wire**



Not Correct Installation



Correct Installation

**Figure 8 Style Cable**

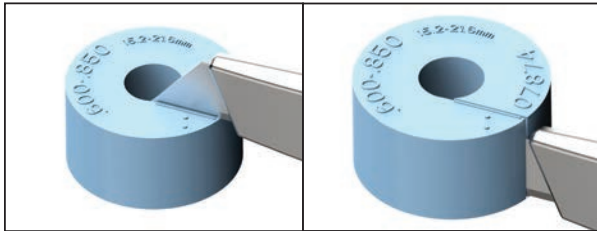


Not Correct Installation

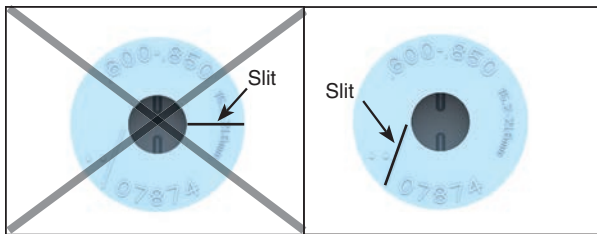


Correct Installation

**Step #6 Grommet Slitting** – If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. **Consult the grommet chart on page 2 for slitting locations of all grommets.**



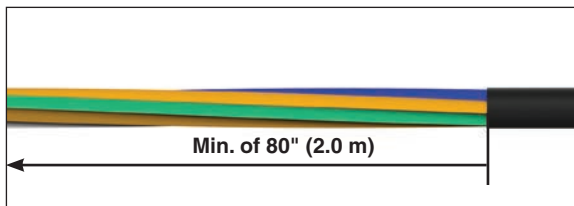
**PLP Tip:** Use a pen to sketch slitting lines on top surface of grommet prior to cutting.



Not Correct Slitting Angle

Correct Slitting Angle

**Step #7** Prepare buffer tube ribbon cable(s) and unitube ribbon cable(s) for cut applications.

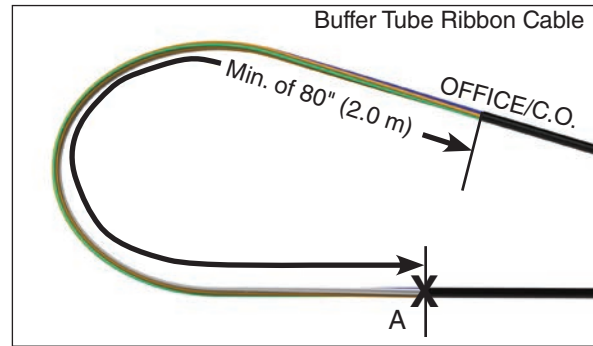


Minimum Sheath Opening for Cut Cable Applications

80"	2.0 m
-----	-------

**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.

**Step #8a** Prepare buffer tube ribbon cable(s) for mid sheath applications (Express/Balloon/Ring Cut).



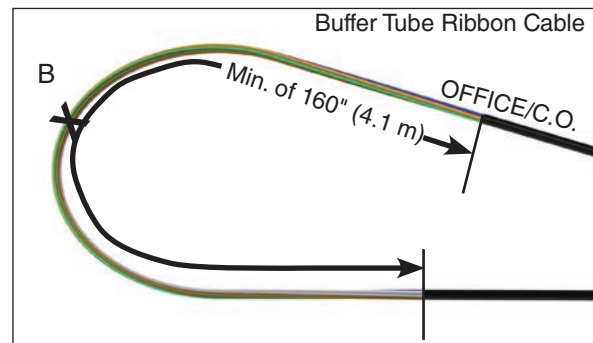
**NOTE:** When expressing ribbons in the transition tray of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 ribbons (432 fibers).

For Applications Where Fiber is Dedicated to the Splice Point

Configuration	Cut Location	Sheath Opening
Unitube/Ribbon Expressed (Mid-Sheath)	A	Min of 80" (2.0 m)

**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.

**Step #8b** Prepare buffer tube ribbon cable(s) for mid sheath applications (Express/Balloon/Ring Cut).



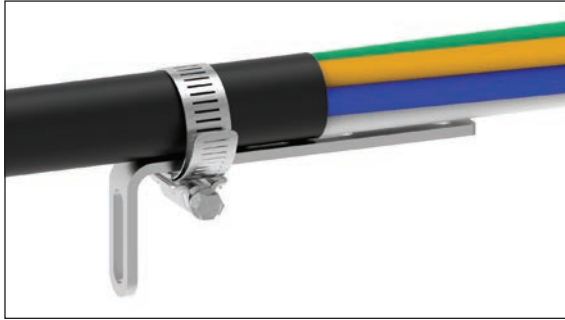
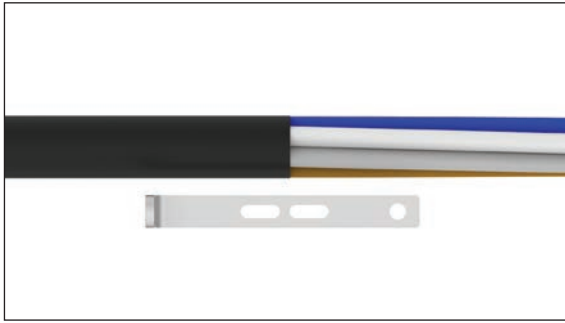
**NOTE:** When expressing ribbons in the transition tray of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 ribbons (432 fibers).

For Applications Where Fiber is NOT Dedicated to the Splice Point

Configuration	Cut Location	Sheath Opening
Unitube/Ribbon Expressed (Mid-Sheath)	B	Min of 160" (4.1 m)

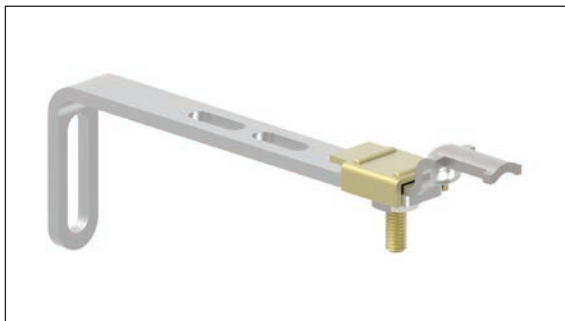
**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.

**Step #9** Align the sheath opening with the end of the slot of the strength member bracket as shown below and secure the cable to the bracket with the hose clamp provided.

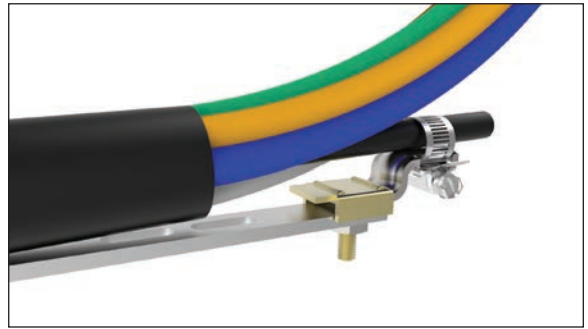


### OPTIONAL - Securing Cable Strength Member to Strength Member Bracket

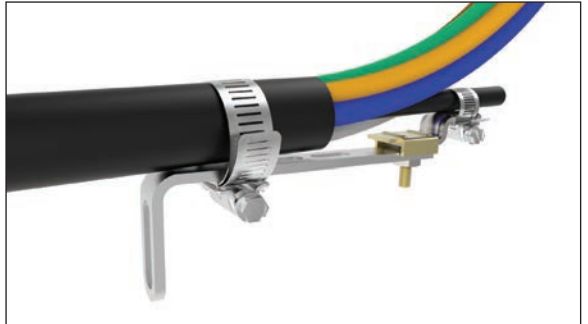
**Step #10** Assemble the adapter to the bracket as shown below.



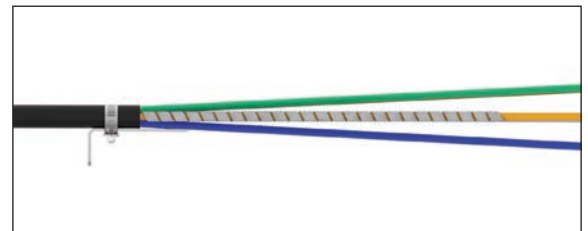
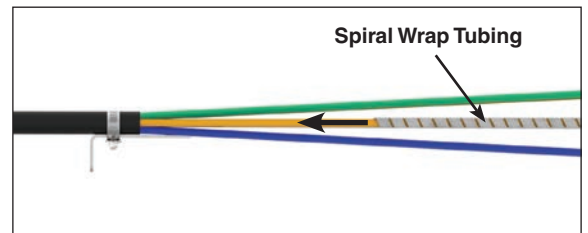
**Step #11** Trim the large strength member 1/2" (12.7 mm) past the end of the adapter. Secure the cable strength member to the adapter with the small hose clamp provided.



**Step #12** Secure the cable to the strength member bracket with the hose clamp provided.

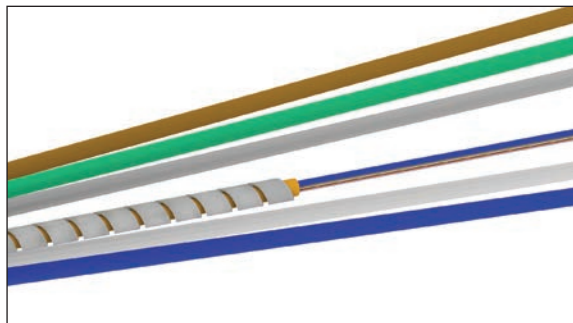
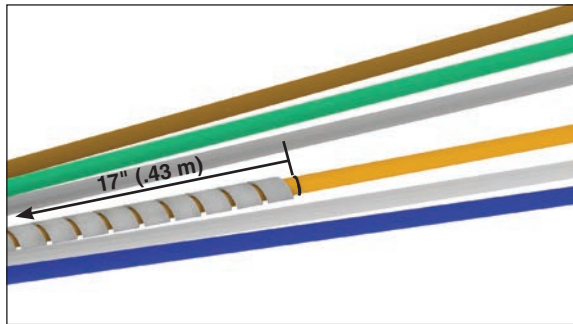


**Step #13** Install a piece of spiral wrap tubing onto each buffer tube and slide it to the sheath opening of the cable.

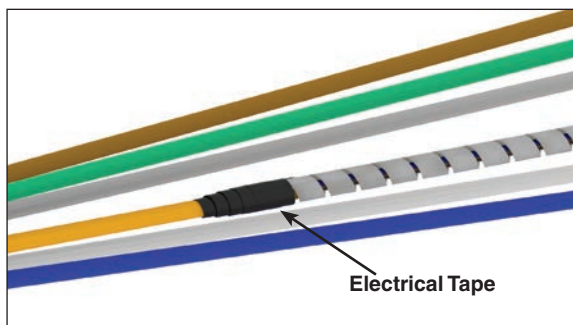
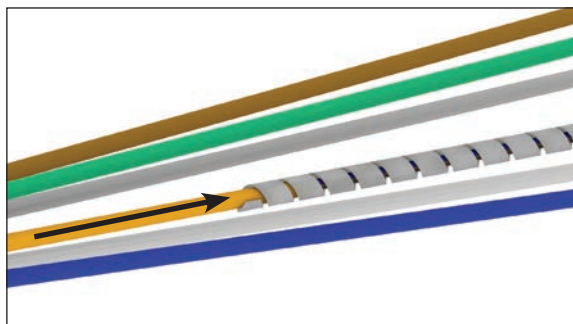




**Step #14** Mark each buffer tube 17" (.43 m) away from the sheath opening and remove each buffer tube beyond the mark.

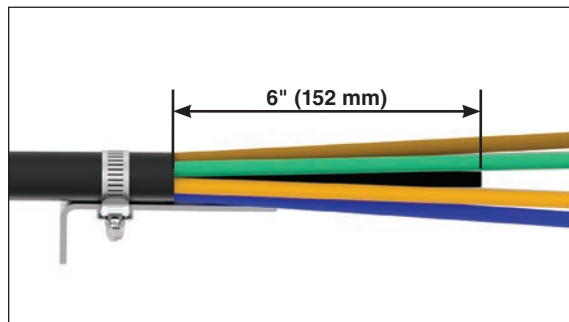


**Step #15** Slide each piece of spiral wrap tubing over the ribbon fibers of the buffer tubes. Secure the spiral wrap tubing to each buffer tube with a piece of electrical tape as shown below.

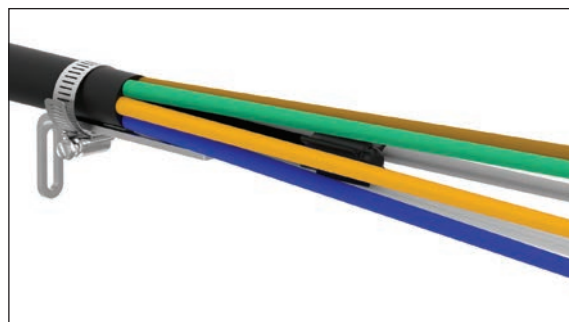
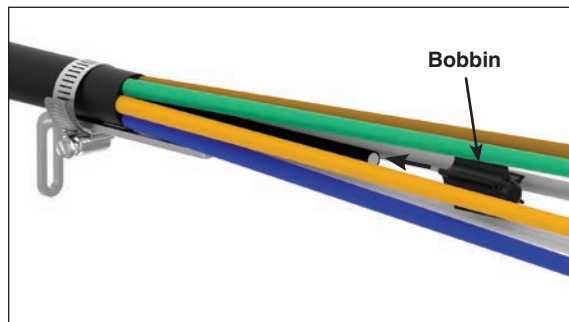


## Securing Cable Strength Member with Strength Member Bobbin (Only for use with Rollable/Spider Web Ribbon Cables)

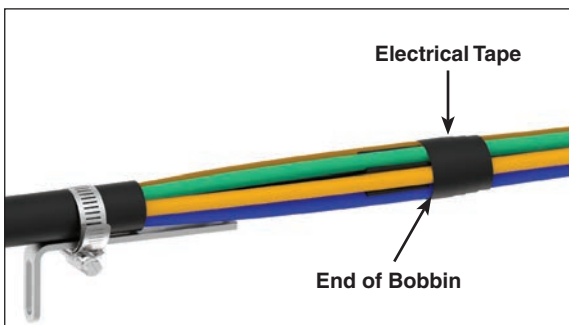
**Step #16** Trim the strength member 6" (152 mm) away from the sheath opening.



**Step #17** Install the bobbin on the end of the strength member as shown below.

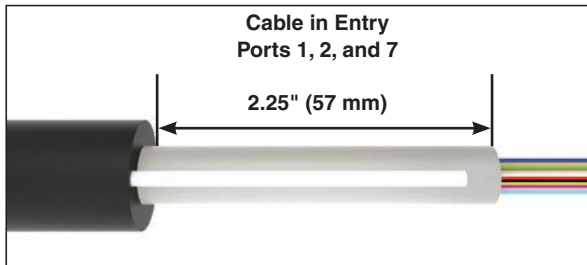
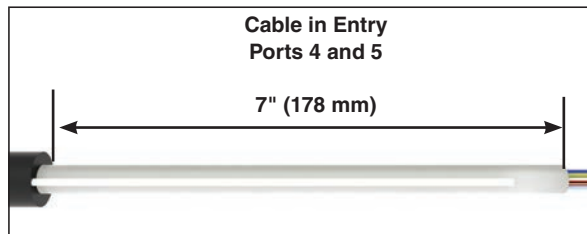


**Step #18** Bundle the buffer tubes tightly just past the end of the bobbin and wrap the tubes with electrical tape.



## Securing Branch/Drop Cable Strength Member(s) to Strength Member Bracket

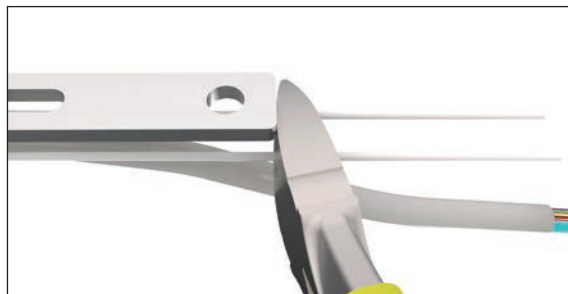
**Step #19** Prepare central buffer tube(s) for unitube/ribbon cable applications.



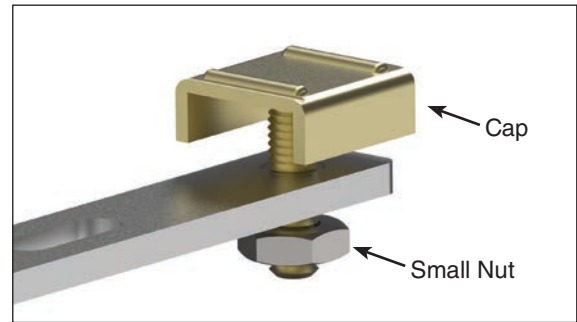
**Step #20** Align the sheath opening with the end of the slot of the strength member bracket as shown below.



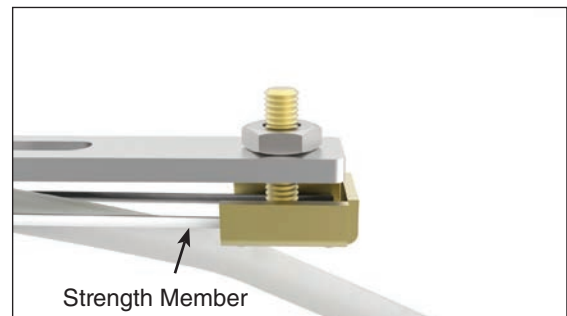
**Step #21** Trim the strength members flush with the end of the strength member bracket(s).



**Step #22** Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



**Step #23** Position the strength members under the cap of the strength member bracket.



**Step #24** Tighten the nut of the cap to secure the strength members under the cap.



**Step #25** Secure the cable to the strength member bracket with the hose clamp.

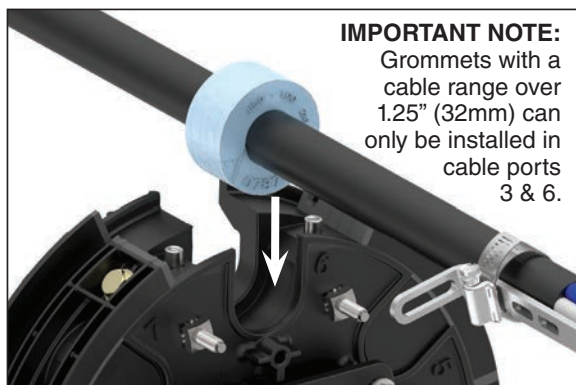


## Cable Installation and Routing

- Step #26** Lubricate the sealing surface of the grommet with the silicone lubricant that is provided.



- Step #27** Position the grommets in the end plate slots.

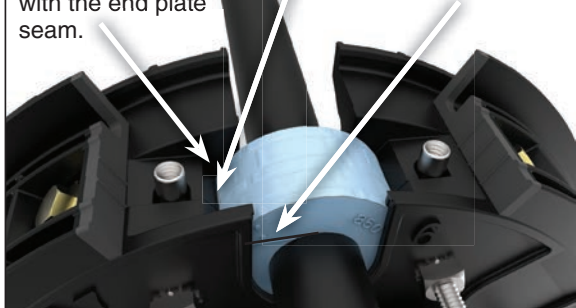


**IMPORTANT NOTE:**

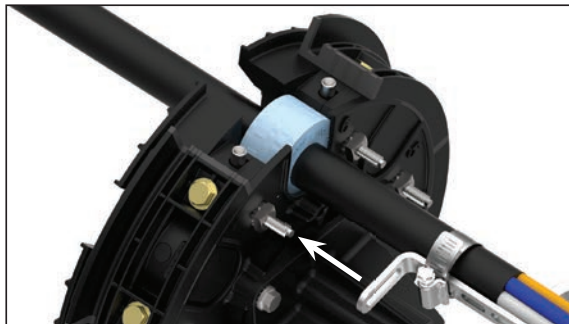
Grommets with a cable range over 1.25" (32mm) can only be installed in cable ports 3 & 6.

**DO NOT** align the grommet slit with the end plate seam.

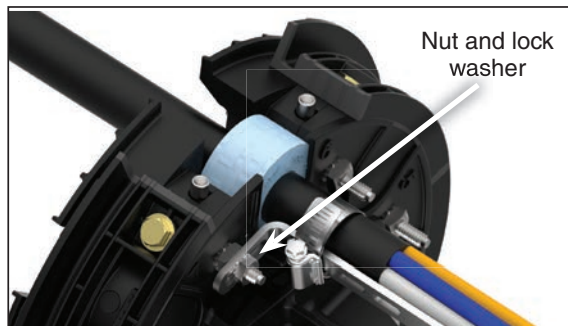
End Plate Seam      Grommet Slit



- Step #28** Position the slot of the strength member bracket leg over the stud and pull back the cable.



- Step #29** Install the strength member bracket on the stud. Install the lock washer and nut against the bracket, but do not tighten fully, so that the bracket can slide as the grommet is compressed by the cable cap.



- Step #30** Install the cable caps and secure with hex bolts.



**NOTES:**

- Tighten bolts by hand evenly until cable cap is fully seated (DO NOT USE POWER TOOLS TO TIGHTEN BOLTS).

- When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

- **TIGHTEN ALL UNUSED CABLE CAPS.**

**IMPORTANT:** Tighten down the strength member bracket after the caps are tightened.

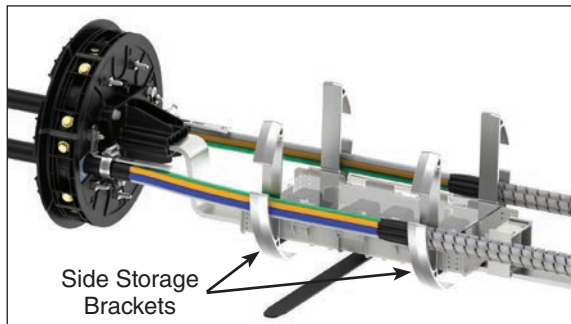


**Step #31** Complete end plate assembly shown below.

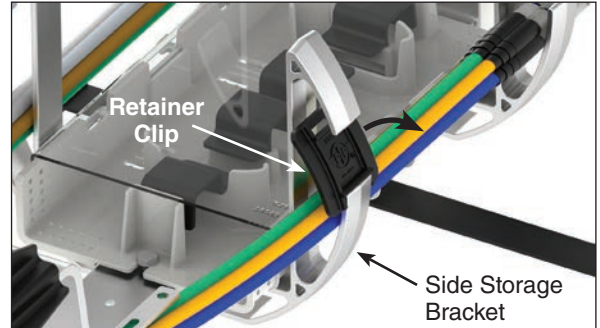


## ROUTING BUFFER TUBE RIBBON CABLE

**Step #32** Route the buffer tubes through the side storage brackets.

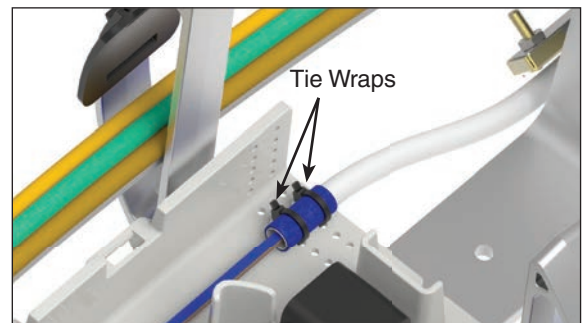


**Step #33** Secure the buffer tube(s) in the side storage brackets with the retainer clips. To install the retainer clip, position the bottom slot of the retainer clip onto the bottom portion of the side storage bracket. Tilt the retainer clip forward until the top portion of the side storage bracket snaps into the top slot of the retainer clip.

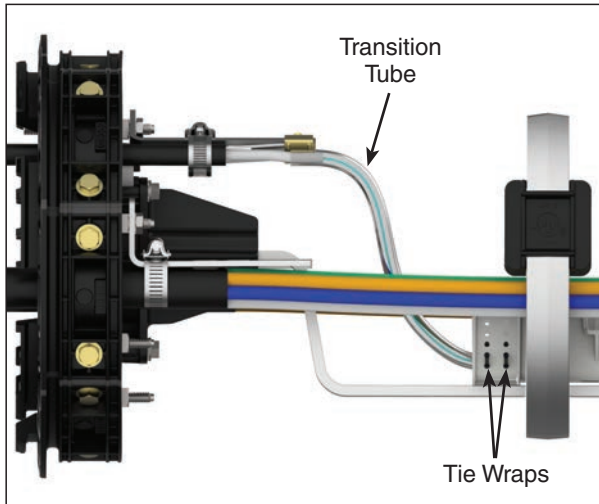


## ROUTING UNITUBE BRANCH/DROP RIBBON CABLE(S)

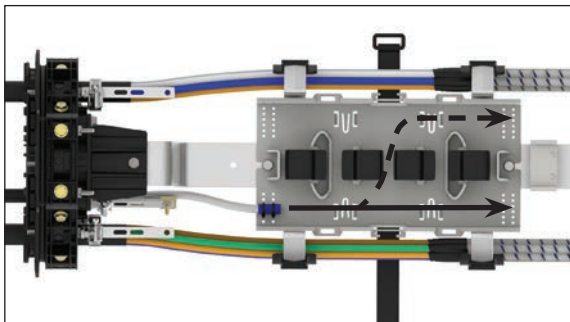
**Step #34** Route and secure the central tube of unitube cables to transition tray.



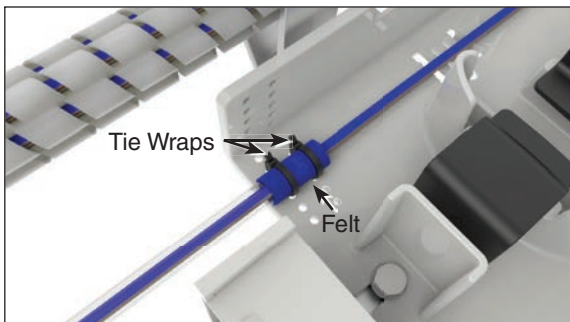
**Step #35** Use transition tube(s) to route ribbons from unitube cables installed in the upper cable port(s) to the transition tray. Secure the transition tube(s) to the transition tray with tie wraps.



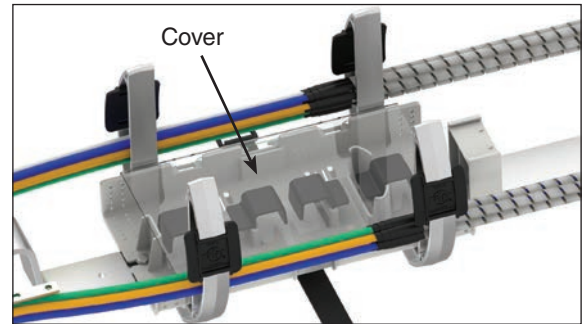
**Step #36** Route feeder ribbons within the transition tray.



**Step #37** Insert ribbons to be routed to the splice tray into the transport tubes. Wrap a piece of felt around the ends of the transport tubes and secure the tubes to the transition tray with tie wraps.

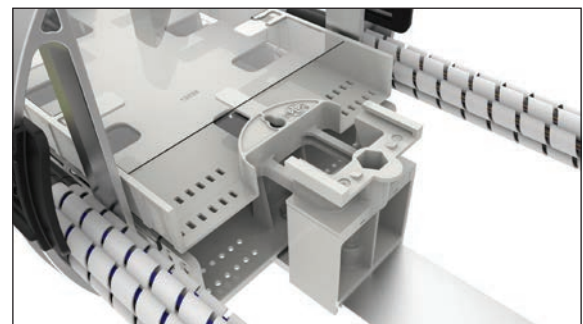
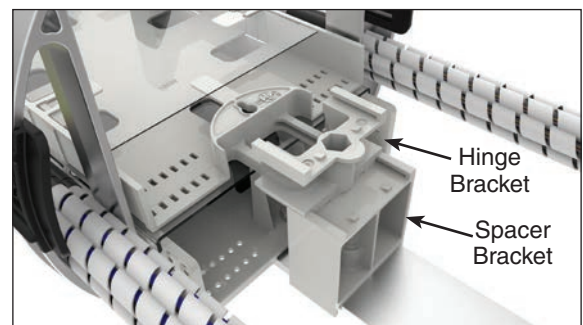


**Step #38** Install the transition tray cover on the transition tray by snapping the tabs of the cover into the slots of the transition tray.



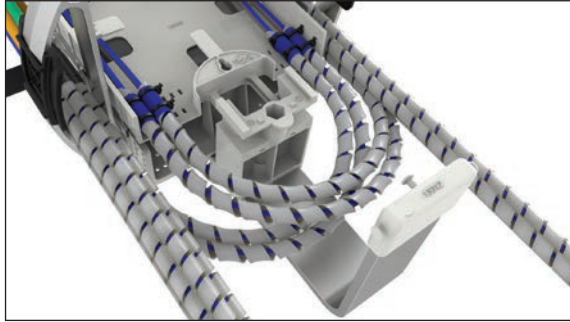
## SPLICE TRAY INSTALLATION

**Step #39** Slide the hinge bracket of the splice tray into the slots of the spacer bracket until the hinge bracket is fully engaged into the spacer bracket.



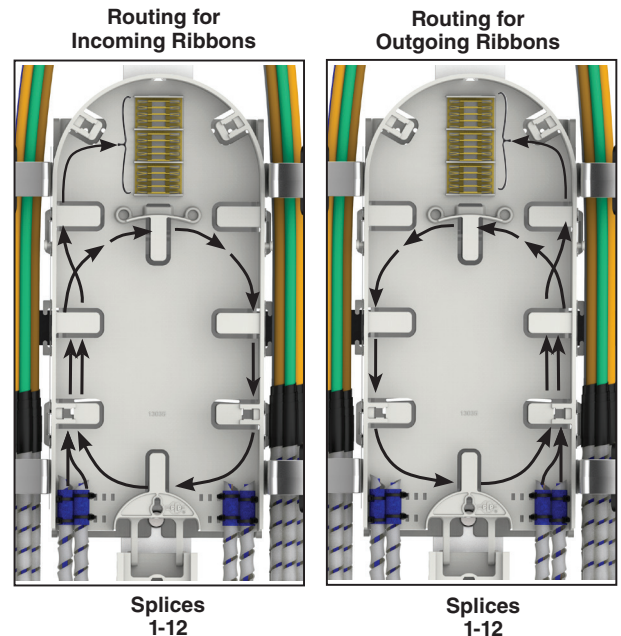
## ROUTING SPIRAL WRAP TUBING TO THE SPLICE TRAYS

**Step #40** Wrap the ends of each spiral wrap tube with a piece of felt and route the tubes to the splice trays. Secure the tubes to the splice trays with tie wraps.



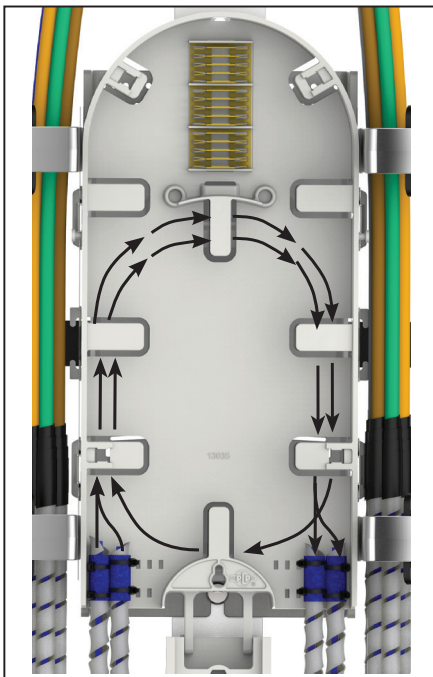
**IMPORTANT NOTE:** If fibers are being expressed, route the spiral wrap tubes that contain the expressed fibers to the bottom splice tray. Use the remaining splice trays for storing spliced fibers.

**Step #42** Route the first 12 incoming and outgoing ribbons in each splice tray as shown below.



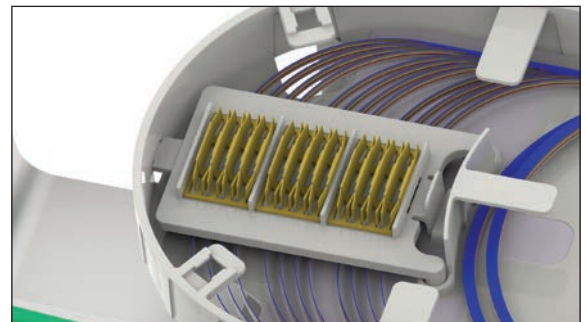
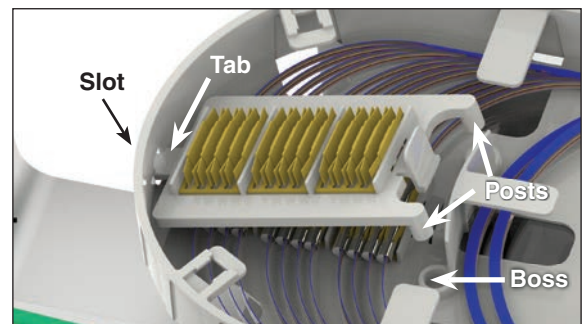
## SPLICE TRAY MANAGEMENT

**Step #41** Route expressed fibers in the bottom splice tray as shown below.



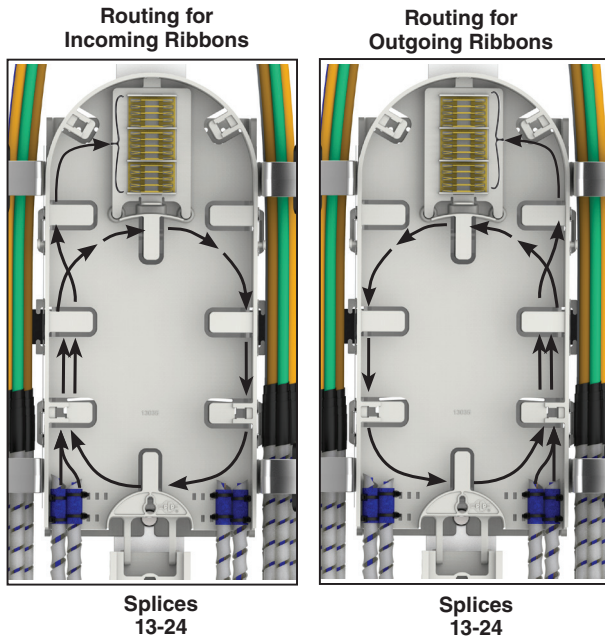
**Step #43** Splice the first 12 incoming ribbons to first 12 outgoing ribbons per your accepted company practices.

**Step #44** Install the platform into the splice tray by inserting the tab of the platform into the slot of the splice tray and then pushing the posts of the platform into the bosses of the splice tray





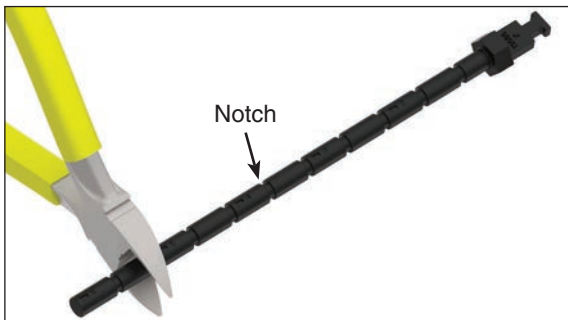
**Step #45** Route the last 12 incoming and outgoing ribbons in each splice tray as shown below



**Step #46** Splice the last 12 incoming ribbons to last 12 outgoing ribbons per your accepted company practices.

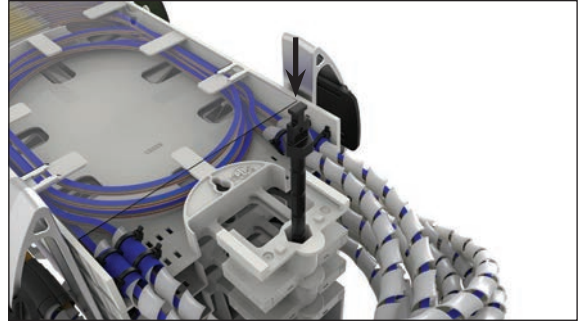
## SECURING SPLICE TRAYS

**Step #47** Determine the number of splice trays that are installed in the organizer and locate the corresponding number on the lock pin. Trim the lock pin at the notched location just below the number.

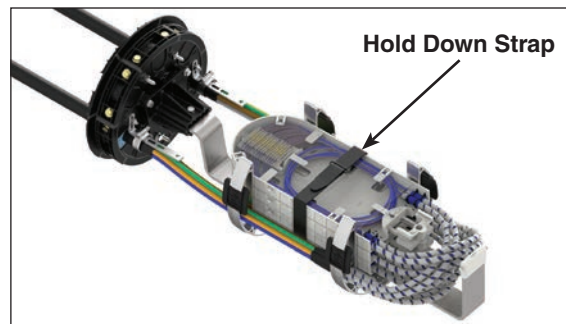


**Note:** One side of the lock pin is numbered 1-12 for thin profile splice trays and the other side of the lock pin is numbered 1-6 for deep profile splice trays.

**Step #48** Install the lock pin into the hinge brackets as shown below.

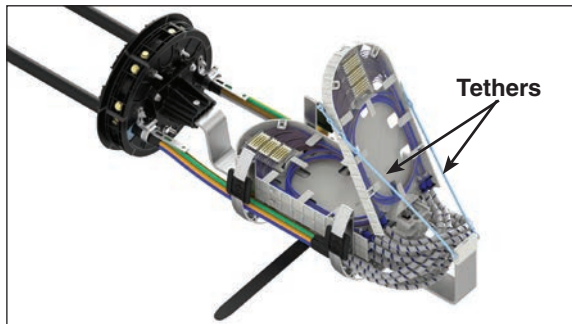
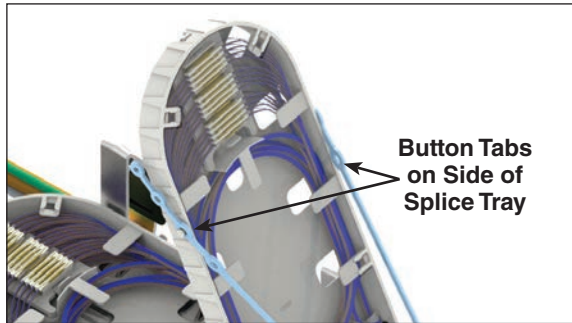
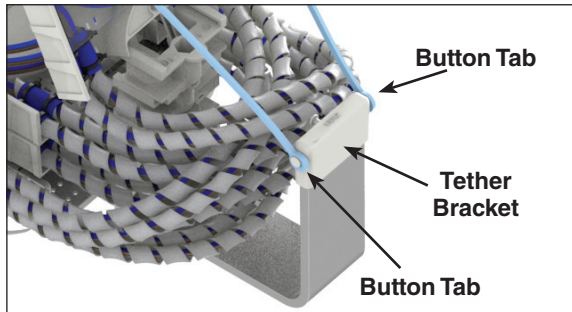


**Step #49** Secure the splice tray(s) with the hold down strap.

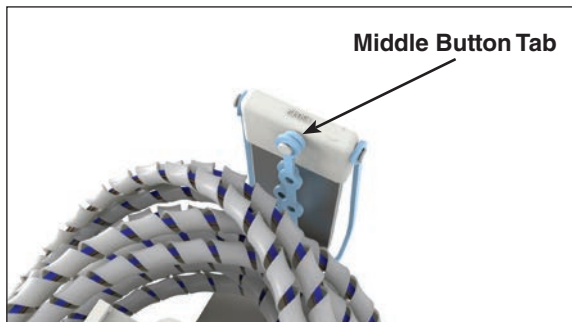




**Step #50** To secure the splice trays while they are flipped up, attach the tethers from the button tabs of the tether bracket to the button tabs of the bottom splice tray that is flipped up.



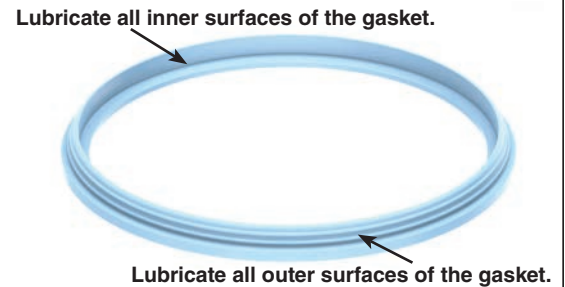
**Step #51** When the tethers are not being used they can be stored on the tether bracket by securing the loose ends of the tethers to the middle button tab as shown below.



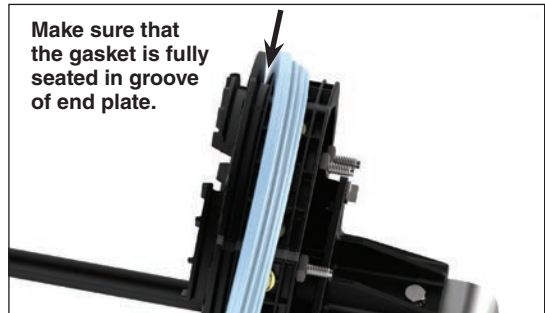
## Dome Preparation & Installation

**Step #52** Re-tighten all cable cap bolts (Step #30) to assure that the cable caps are fully seated. When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

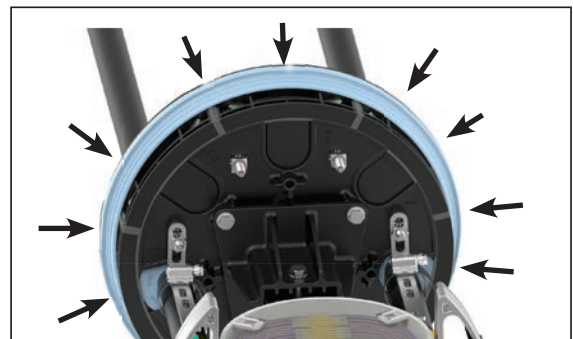
**Step #53** Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.



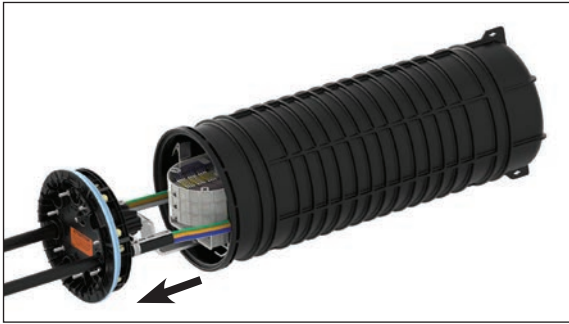
**Step #54** Slide the end plate gasket onto the end plate and press into the groove.



**Step #55** Work the gasket into the groove.



**Step #56** Position the dome over the end plate.

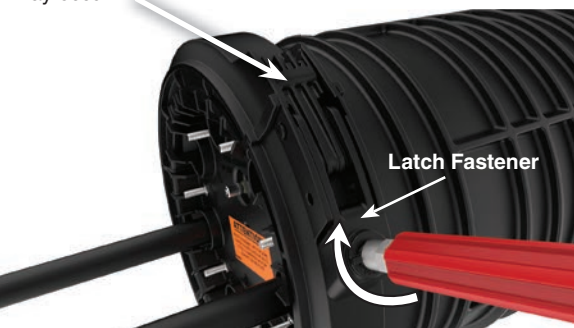


**Step #57** Install the dome collar.



**Step #58** Fasten the latch and lock the collar by twisting the latch fastener clockwise 90 degrees.

**CAUTION:** Do not fasten latch until collar is completely installed in the correct position or damage to latch may occur.



## Flash Test Procedure

**Step #59** Remove the cap from the air valve of the end plate.



**Step #60** Pressurize closure up to a max of 10psi.





- Step #61** Spray all sealing surfaces of the dome end plate with a soap/water solution to determine if the end plate has been assembled properly.



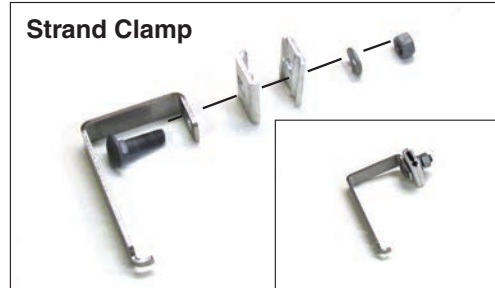
- Step #62** Release all pressure in the closure by pressing against the valve stem with the bump on the top of the air valve cap.



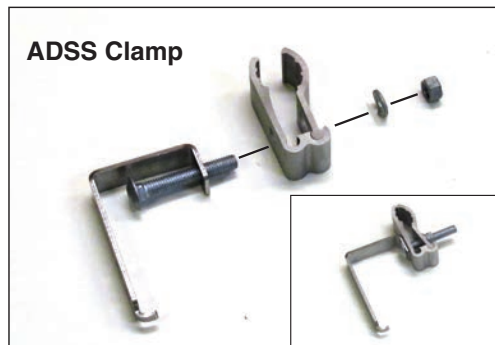
## Aerial Mounting Options

- Step #63a** For COYOTE® 9.5" Dome Strand Mount Aerial Offset Bracket Kit (PLP Cat.#: 8004037) and 9.5" Dome ADSS Mount Aerial Offset Bracket Kit (PLP Cat.#: 8004038). Assemble each bug nut or ADSS clamp to each top aerial offset bracket as shown below.

**Strand Clamp**



**ADSS Clamp**



### Step #63b

- For Shorter Spacing.** Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below. Secure the top aerial offset bracket to the bottom aerial offset bracket with the bolts and keps nuts provided.



**Position 1 – ADSS Clamp Shown**



**Position 2 – ADSS Clamp Shown**



**Step #63c For Taller Spacing.** Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below. Secure the top aerial offset bracket to the bottom aerial offset bracket with the bolts and keps nuts provided.



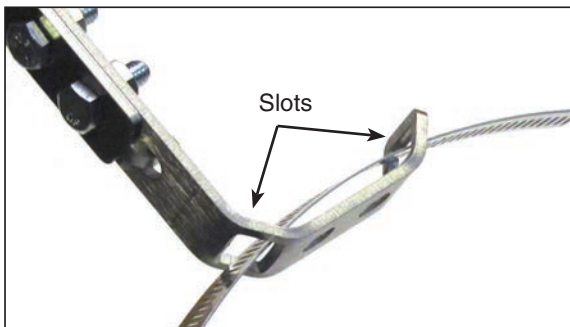
**Position 1 – Strand Clamp Shown**



**Position 2 – Strand Clamp Shown**



**Step #64** Insert hose clamp through the slots in each of the bottom aerial offset brackets.



**Step #65** Attach a second hose clamp to each hose clamp with the mounting bracket on it and tighten each pair of hose clamps around the dome in the banding slots.



**Step #66** Bracket installed on the dome closure.

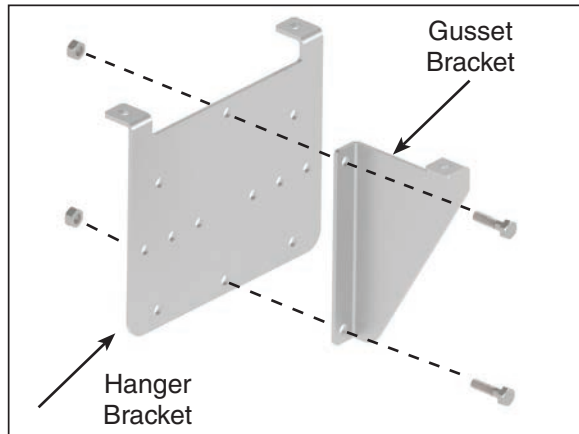




## Pole/Wall Mounting Option

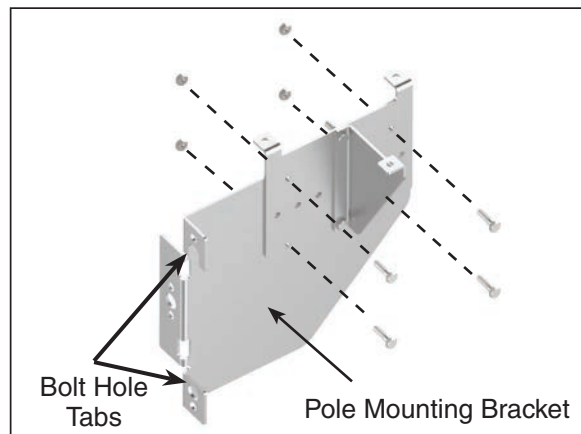
### Step #67 The COYOTE® 9.5" Dome Pole/Wall Mount Bracket (PLP Cat.#: 8003942).

Secure the gusset bracket to the hanger bracket with the bolts and nuts provided as shown below.



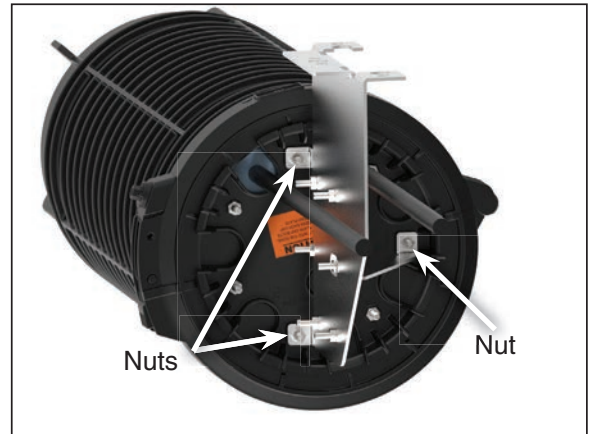
### Step #68 The COYOTE 9.5" Dome Pole/Wall Mount Bracket (PLP Cat. #: 8003942).

Attach the hanger bracket to the pole mounting plate with the gusset side facing the same side as the bolt hole tabs of the pole mounting bracket.

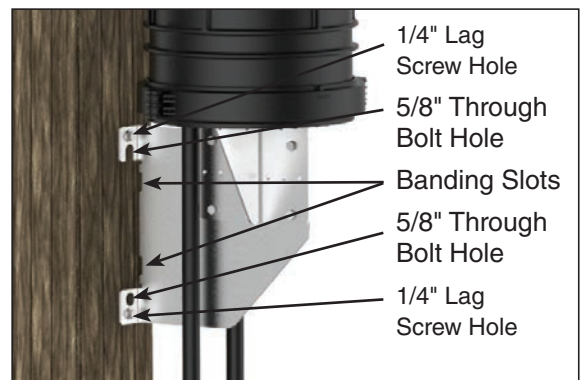


### Step #69 The COYOTE 9.5" Dome Pole/Wall Mount Bracket (PLP Cat. #: 8003942).

Install the pole/wall mount bracket assembly on to the grounding studs of the end plate of the closure and secure it to the end plate with the three nuts that are provided.



### Step #70 Attach the dome pole mounting plate to a pole or a wall with either 5/8" through bolts, 1/4" lag screws, or banding.



## 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.



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