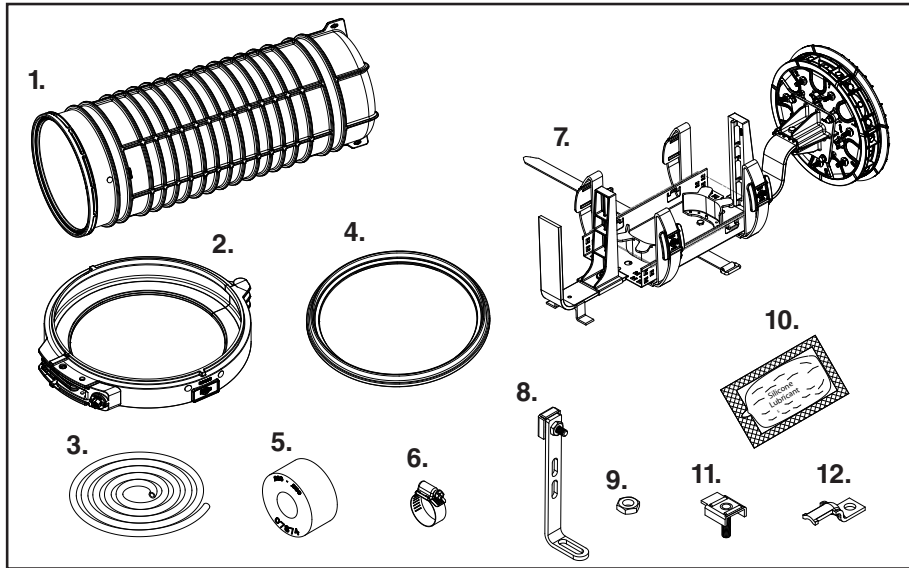




COYOTE® Dome 9.5” x 28”

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



NOMENCLATURE

- | | |
|--|---|
| 1. Dome Cover (1) | 7. Organizer Assembly with 7-Port End Plate (1)
(Unitube/Ribbon Version Shown) |
| 2. Dome Collar (1) | 8. Extended Strength Member Bracket (4) |
| 3. Transport Tubing Kit (1)
(In Dome Kit for Unitube/
Ribbon Applications) | 9. 1/4-20 Hex Nut (4) |
| 4. Dome Gasket (1) | 10. Silicone Lubricant (4 five gram packets) |
| 5. Cable Grommet (4) | 11. Strength Member Adapter Cap Stud (2) |
| 6. Hose Clamp (4) | 12. Strength Member Adapter (2) |

Tools Required:

- 3/8” and 7/16” can wrench or Socket
- 1/4” nut driver or screwdriver
- Snips
- Fiber optic cable opening tools

COYOTE Drop Closure Kits	
Catalog Number	Description
80061055	COYOTE 9.5”x28” Dome Closure for Buffer Tube Applications. Includes: (4) Grommets, (1) Buffer Tube Organizer Assembly with 7-Port End Plate, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets & (4) Hose Clamps
80061056	COYOTE 9.5”x28” Dome Closure for Unitube/Ribbon Applications. Includes: (4) Grommets, (1) Transition Tray Organizer Assembly with 7-Port End Plate, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Transition Tubing Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets & (4) Hose Clamps
80061057	COYOTE 9.5”x28” Dome Closure for Maximum Tray Capacity. Includes: (4) Grommets, (1) Splice Tray Only Organizer Assembly with 7-Port End Plate Assembly, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Tray Retention Clip Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets & (4) Hose Clamps
Accessory Kits	
80808456	COYOTE Dome End Plate Fixture
80808651	Extended Strength Member Bracket Kit
80808878	Large Strength Member Accommodation Kit
Mounting Brackets	
8003940	Aerial Mounting Bracket (Dome Mount) – for Strand Mounted Applications
8003869	Aerial Mounting Bracket (Dome Mount) – for ADSS Applications
8003941	Aerial Mounting Bracket (End Plate Mount) – for ADSS Applications
8003942	Pole/Wall Mounting Bracket

COYOTE Grommet Chart
For use in COYOTE GLC, Arial , LCC, Dome, In-Line RUNT, Taut & Terminal Closures

PLP Catalog Number	Cable Range Inches (mm)	Description	Splitting Location
8003701	.42 - .85 (11 - 22 mm)	2-entry grommet	
8003691	.42 - .60 (11 - 15 mm)	1-entry grommet	
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	
8003663	.42 - .60 (11 - 15 mm)	2-entry grommet	
8003664	.30 - .43 (8 - 11mm)	4-entry grommet	
8003990	.50 - .60 (12.7 - 15.2) .125 - .25 (3.2 - 6.4) and flat drop	4-entry grommet	
8003989	Flat Drop Only	4-entry grommet	
8003665	.125 - .25 (3 - 6 mm)	6-entry grommet	
8003676	.42 - .60 (11 - 15 mm) .125 - .25 (3 - 6 mm)	7-entry grommet	
8003677	.125 - .25 (3 - 6 mm)	8-entry grommet	

NOTE: Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Packs, (1) Set of Plugs & (1) Glove

Splice Trays for COYOTE 9.5" x 28" Dome

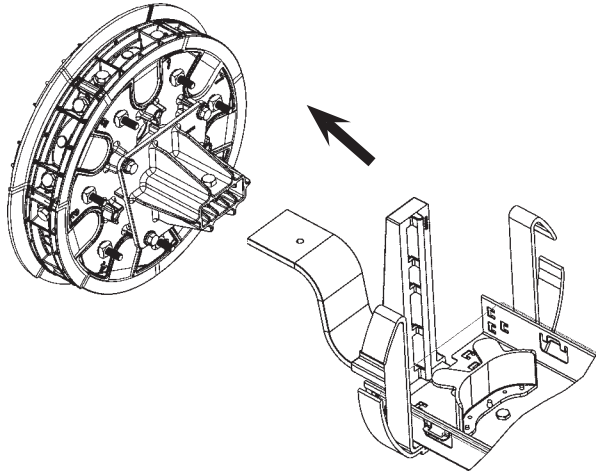
Catalog Number	Description
8001127	Low Profile Splice Tray with plastic splice blocks (36 splice count)
80807769	Low Profile Splice Tray (blank) – no splice blocks (36 splice count)
80805514	Standard Splice Tray with elastomeric splice blocks – single fusion and mechanical splices (36 splice count)
80805110	Standard Splice Tray with rigid slots (36 splice count)
80805509	Standard Splice Tray (blank) – no splice blocks (36 splice count)
80805515	Ribbon Splice Tray with elastomeric splice blocks (144 splice count)
80805146	Ribbon Splice Tray with rigid slots (144 splice count)
80805510	Ribbon Splice Tray (blank) – no splice blocks (144 splice count)
LGSTS40	LITE-GRIP® Splice Tray with Yellow 8-Hole LITE-GRIP splice blocks – single fusion splices (Splice tray is provided with splice blocks to support 40 splices but has the capacity for 80 splices). Splice Block Kit (Cat. # LGSBS8-5) is required to achieve maximum tray capacity.
LGSTR216	LITE-GRIP® Splice Tray with Purple 3-Hole LITE-GRIP splice blocks – mass fusion/ribbon splices (216 splice count)

Splice Tray/Closure Capacities

Splice Tray	Splice Tray	Buffer Tube Application P/N 80061055		Unitube/Ribbon Application P/N 80061056		Maximum Tray Capacity P/N 80061057	
		Trays per Closure	Closure Splice Capacity	Trays per Closure	Closure Splice Capacity 80061055	Trays per Closure 80061056	Closure Splice Capacity 80061057
Low Profile	Single Fusion	13	468	14	504	20	720
Standard	Single Fusion or Mechanical	10	360	12	432	16	576
Ribbon	Mass Fusion	7	1,008	8	1,152	10	1,440
LITE-GRIP	Single Fusion	7	560	8	640	10	800
LITE-GRIP	Mass Fusion	7	1,512	8	1,728	10	2,160

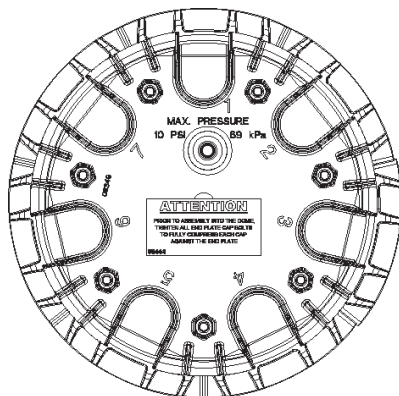
END PLATE PREPARATION

Step #1a Remove end plate and organizer from dome.



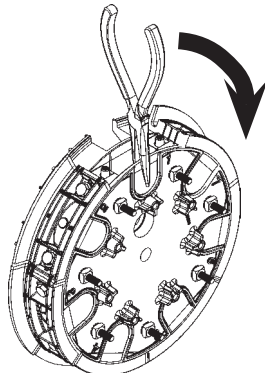
Step #1b Determine which cable ports will be used and mark the respective breakout tabs of end plate.

NOTE: If cables are routed in bottom storage brackets, use cable ports 4 & 5. If cables are routed in side storage brackets, use cable ports 3 & 6.



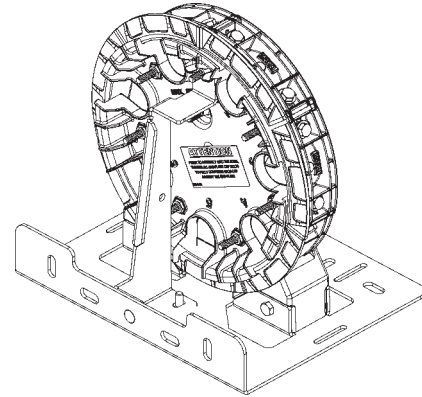
Step #1c Remove the end plate caps from the selected cable ports and break out the tabs.

PLP Tip: Scoring edges of tabs with knife makes them break out easier.



Step #2 Optional Step

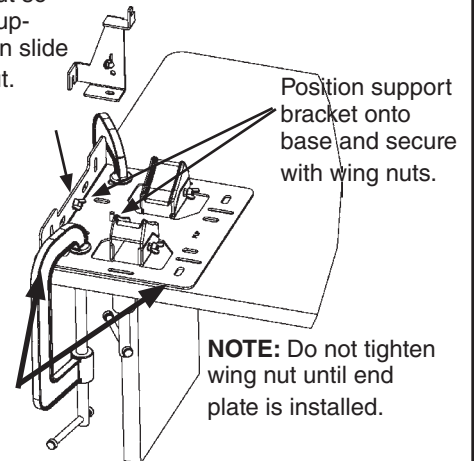
For better stability during cable installation and fiber splicing, install the end plate onto the COYOTE® Dome End Plate Fixture (see Steps 3a-b for installation details).



Step #3a Optional Step

Install support bracket onto base.

Loosen wing nut so slotted tab of support bracket can slide behind wing nut.



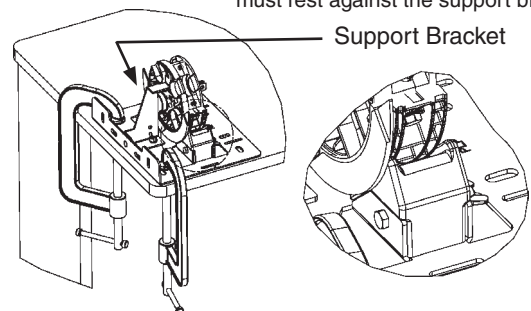
Base can be secured to work surface with either clamps or with bolts.

NOTE: Do not tighten wing nut until end plate is installed.

Step #3b Optional Step

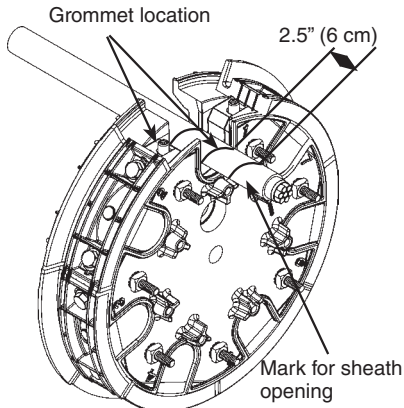
Seat the end plate onto the cushion wedges and secure support bracket to stud of end plate.

The outside surface of the end plate must rest against the support bracket

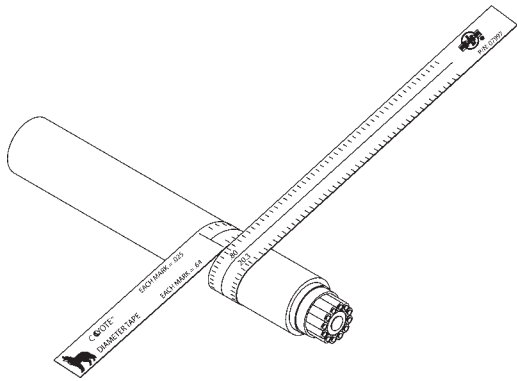


Hand tighten any loose wing nuts to secure end plate to fixture.

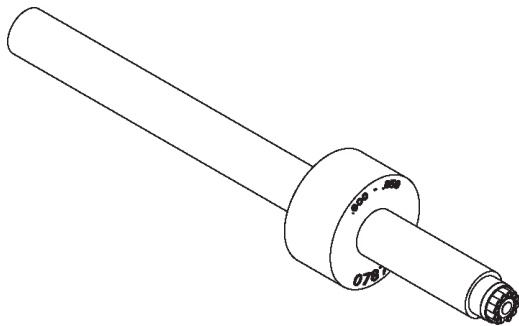
Step #4 Lay cable into entry point and mark for grommet and sheath opening locations.



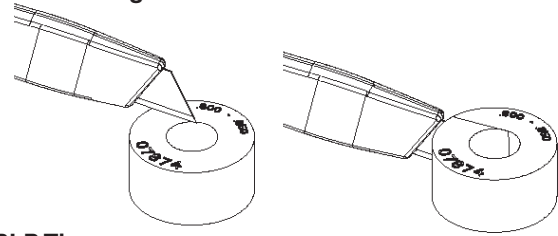
Step #5 Measure cable to determine diameter and hole location to use in grommet.



Step #6 If using cut cable, insert cable through grommet. If your application requires express cable, see Step 7 for grommet slitting procedure.



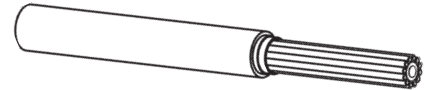
Step #7 Grommet Slitting – If slitting is required, lay grommet on a stable flat surface. Position utility knife with the cutting edge against the top surface and cut through grommet. **Consult grommet chart on page 2 for slitting locations of all grommets.**



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

Step #8a Cable preparation for loose tube or ribbon cables.

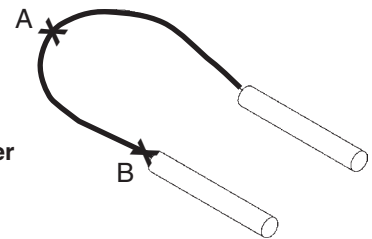
PLP Tip: Leave about 8" (203 mm) of strength member to trim later.



Configuration	Sheath Opening
Cut Cable	96" (2.4 m)

Step #8b Cable preparation for loose tube or ribbon cables.

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



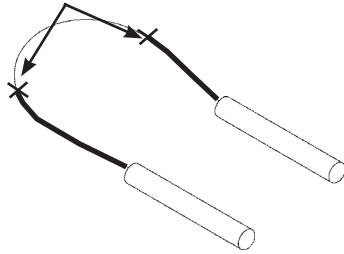
Configuration	Cut Location	Sheath Opening
Buffer Tube Expressed (Mid Sheath)	A	146" (3.7 m)
Buffered or Non-Buffered Ribbon Expressed (Mid Sheath)	A	150" (3.8 m) ¹
Buffer Tube or Non-Buffered Ribbon Expressed (Mid Sheath)	B	80" (2.0 m)
Buffered Ribbon Expressed (Mid Sheath)	B	96" (2.4 m)

¹When expressing ribbons in the transition tray of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 (432 fibers).

Step #8c Cable preparation for expressed fiber (buffer tube window cut) applications.

Window cut locations for buffer tube(s).

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

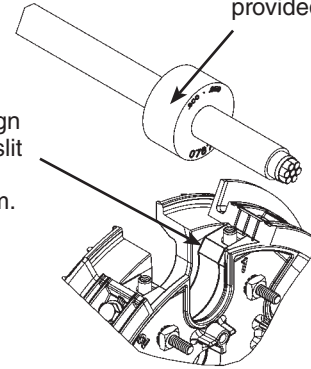


Configuration	Sheath Opening
Expressed Fiber (Buffer Tube Window Cut)	146" (3.7 m)

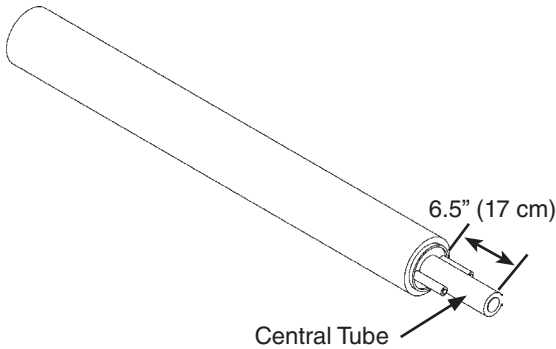
Step #11a Lubricate the outer surface of the grommet.

Lubricate sealing surface of grommet with silicone lubricant provided.

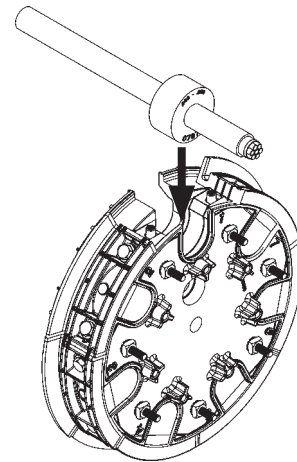
Do not align grommet slit with end plate seam.



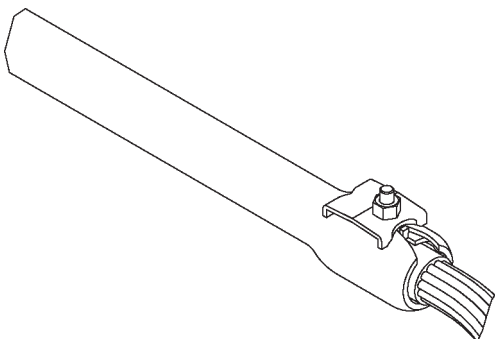
Step #9 For ribbon feeder cables, leave 6.5" (17 cm) of the central tube from the sheath opening when removing the central tube.



Step #11b Position grommet in end plate slot.



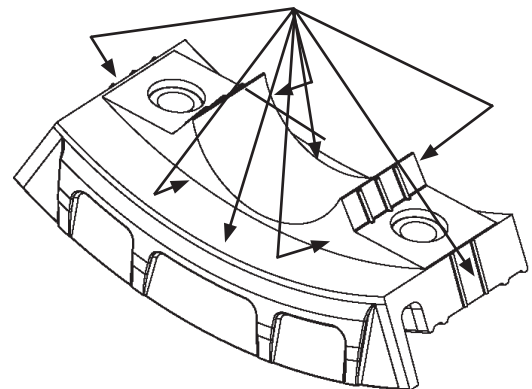
Step #10 If shielded cable is being used, install shield connector on shielded cables. See Step #13b and 13c for recommended bonding practice.



Follow standard company practices.

Step #12a Re-lubricate the cable cap with the silicone lubricant provided.

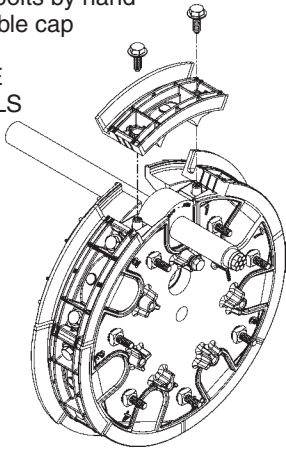
SURFACES TO BE LUBRICATED



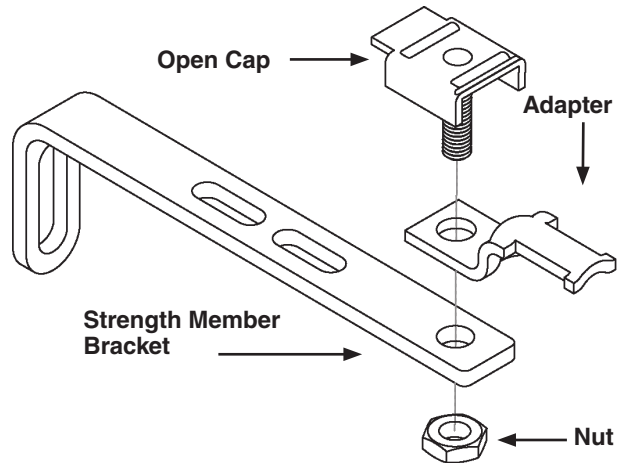
Step #12b Install cable cap and secure with hex bolts. Tighten bolts by hand evenly until cable cap is fully seated (DO NOT USE POWER TOOLS TO TIGHTEN BOLTS).

NOTE: Do not exceed more than 50 in-lbs. of torque when tightening bolts.

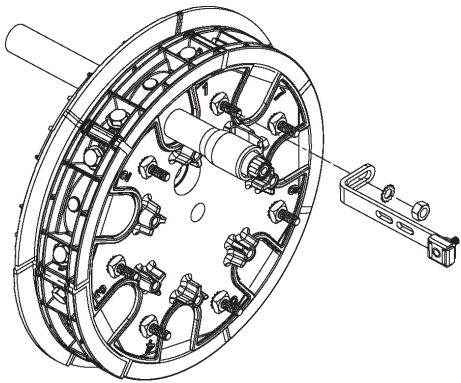
NOTE: TIGHTEN ALL UNUSED CABLE CAPS.



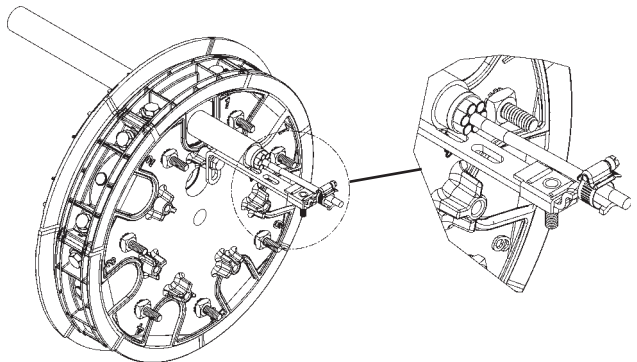
Step #15a For large cable strength members, assemble the adapter to the bracket as shown.



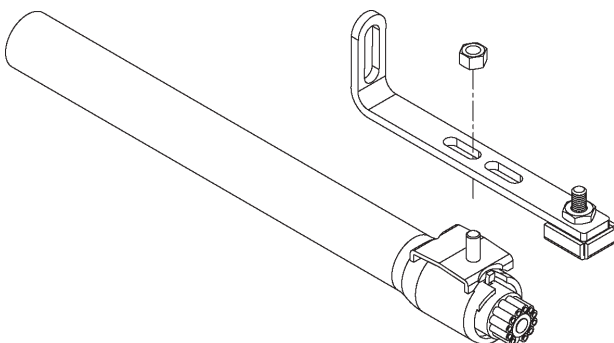
Step #13 Secure extended strength member bracket to grounding stud with external tooth lock washer and hex nut. For bonding, orientate cable so the shield connector faces the top of the strength member bracket.



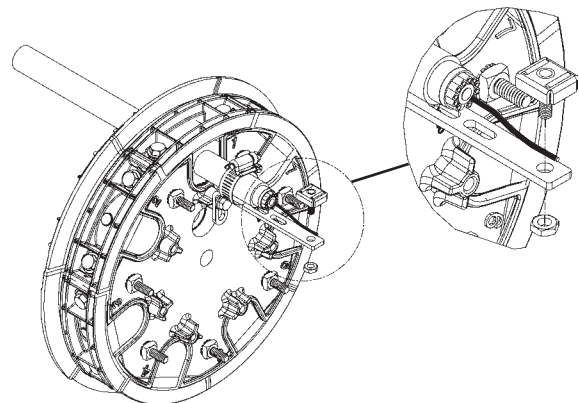
Step #15b Trim large cable strength member(s) 1/2" past the end of the adapter. Secure cable strength member(s) to adapter with small hose clamp.



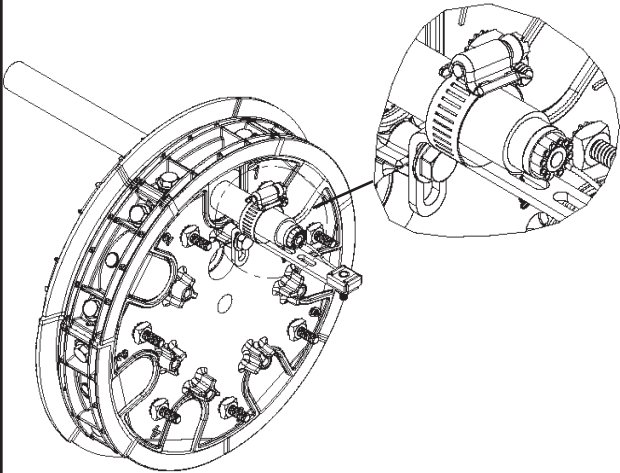
Step #14 If bonding is required, install the stud of the shield connector through the slot of the extended strength member bracket and secure with nut.



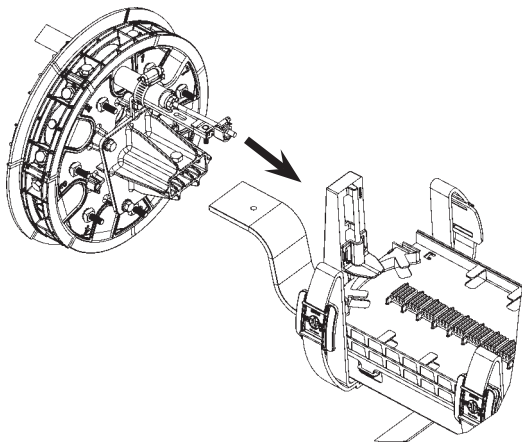
Step #15c Trim small cable strength member(s) even with edge of strength member bracket. Secure strength member(s) under clip and tighten nut.



Step #16 Secure cable sheath with hose clamp.

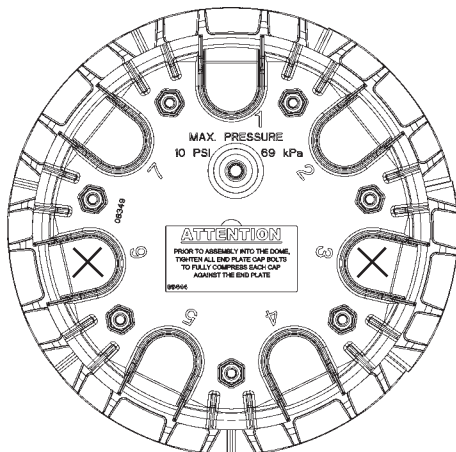


Step #17 Re-install end plate onto organizer assembly and secure with bolt.

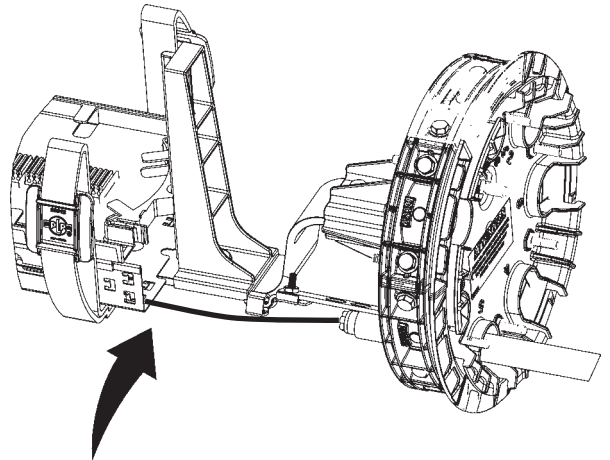


Ribbon Applications

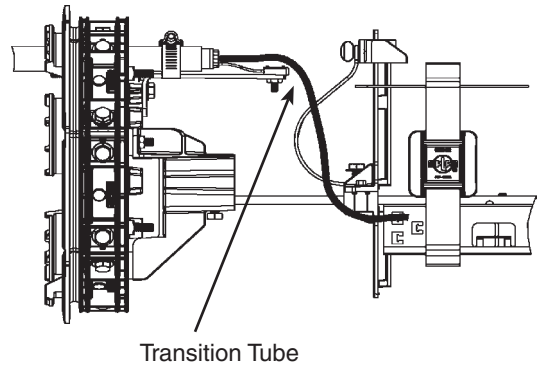
Reminder:
If cables are routed in side storage brackets, use cable ports 3 & 6.



Step #18a Route and secure central tube of unitube cables to transition compartment with tie wraps.

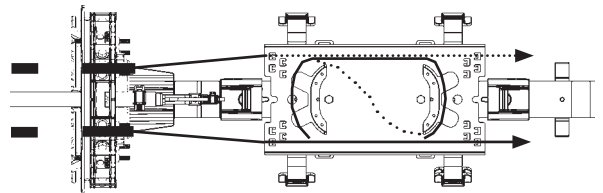


Step #18b For branch unitube cables, use transition tubes to route fiber onto transition tray.

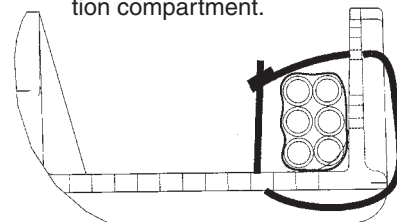


Transition Tube

Step #19a Route fiber within transition compartment.

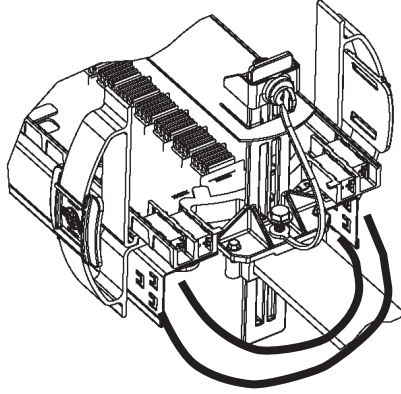


Step #19b Insert fibers to be routed to splice trays into transport tubes and secure to transition compartment.



PLP Tip: For ease of handling, group the transition tubes in multiples of six.

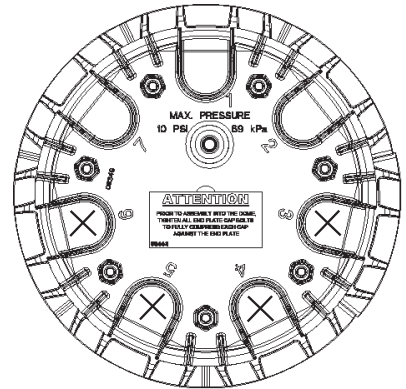
Step #19c Route transport tubes to splice trays and secure.



Skip to Step #23

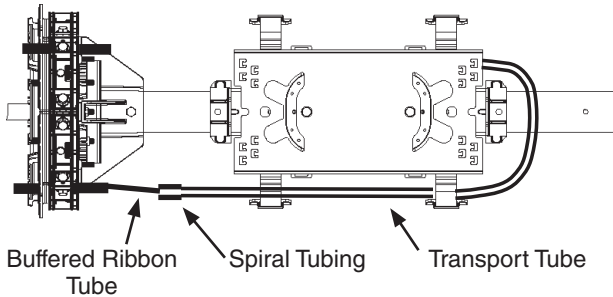
Loose Tube/Buffer Tube Applications

If cables are routed in bottom storage brackets, use cable ports 4 & 5. If cables are routed in side storage brackets, use cable ports 3 & 6.



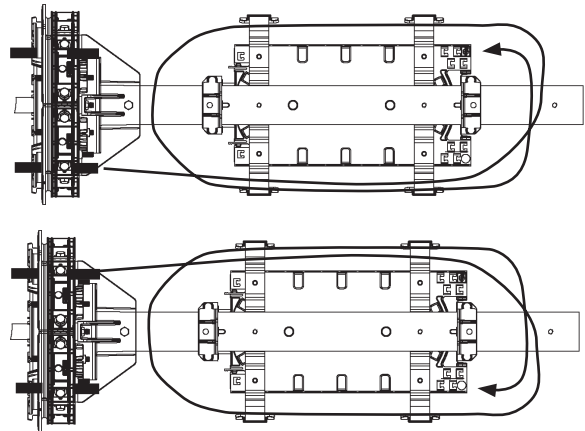
Alternative Routing Method for Buffered Ribbon Applications (Step 20a & b)

Step #20a Remove the buffer tube 1-1/2" from the sheath opening and route fibers to the splice tray with transport tubing. Connect buffer tube to transport tube with a 3" piece of spiral tubing. Route transport tubing through side storage brackets and install retainer clips. (see Step 20b)

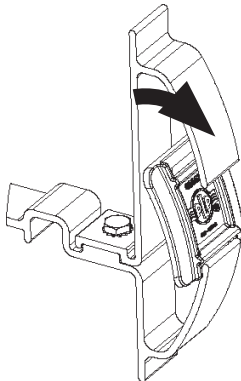


Note: Wrap tape around the spiral tubing once it is connecting the buffer tube with the transport tube to keep spiral tubing from coming undone.

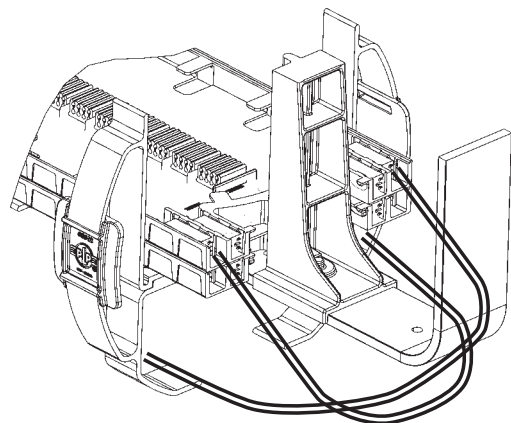
Step #21 Route and store buffer tubes in storage brackets. If routing in side storage brackets see Step #20b for installation of retainer clips.



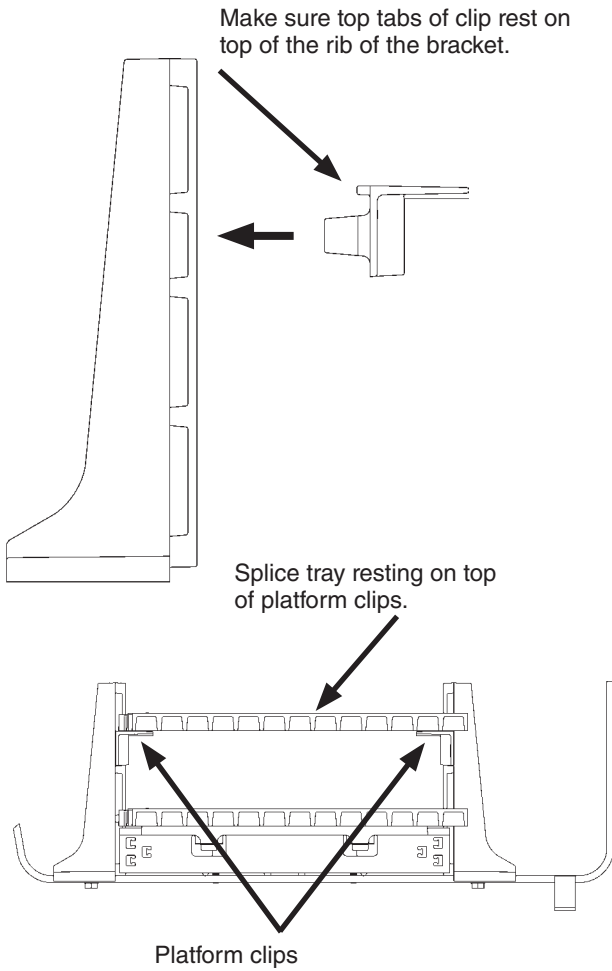
Step 20b To install retainer clip, position the bottom slot of the retainer clip onto the bottom of the bracket. Tilt retainer clip forward until the top of the bracket snaps into the top slot of the retainer clip.



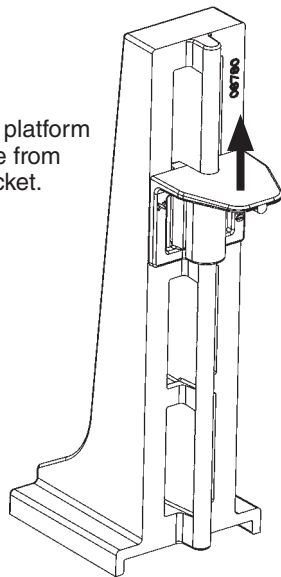
Step 22 Route buffer tubes to splice trays and secure.



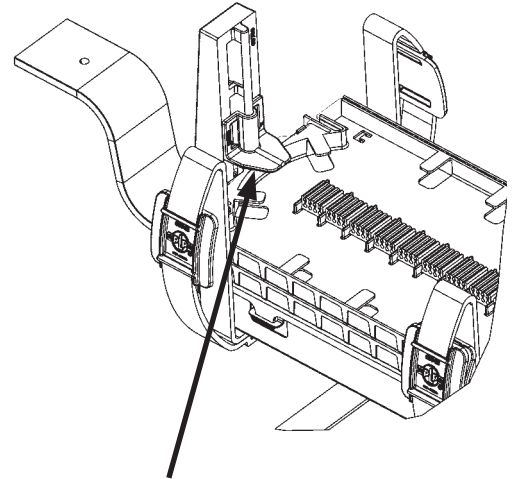
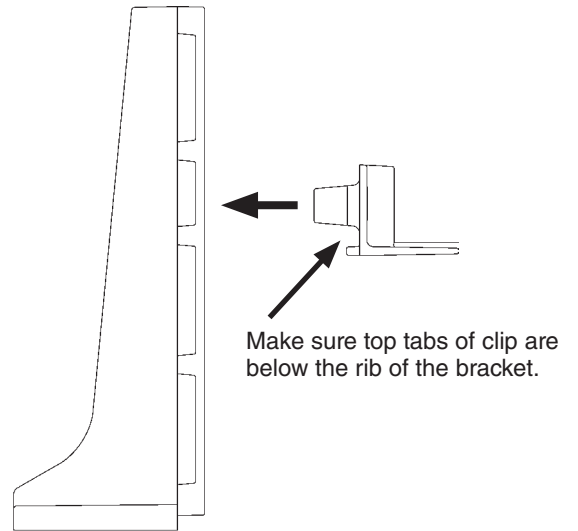
Step #23 To improve splice tray accessibility, install platform clips onto tray retention brackets to raise splice tray.



Lift up on the platform clip to remove from retention bracket.

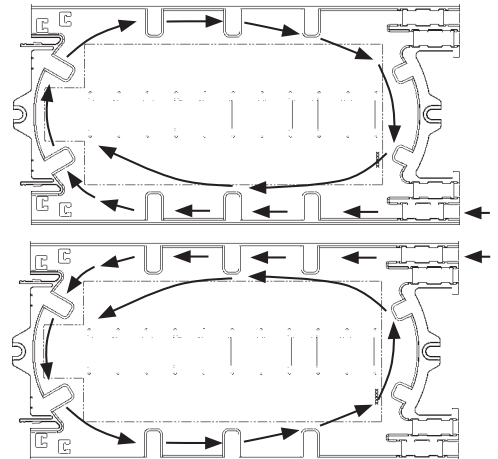


PLP Tip: Platform clips can be installed upside down on tray retention brackets to minimize shifting of splice trays in case strap comes undone.

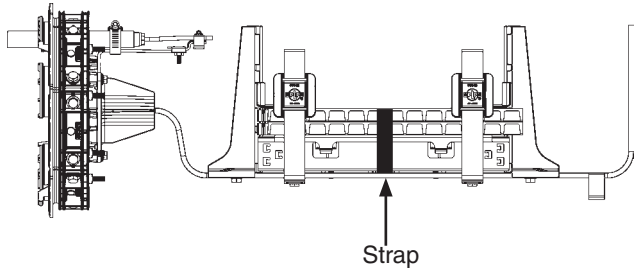


Platform clip installed to minimize shifting of splice tray.

Step #24 Route incoming and outgoing fibers and splice per standard company practice.



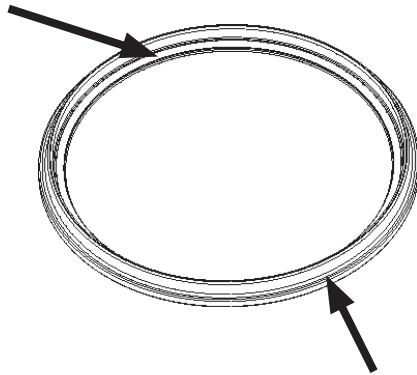
Step #25 Secure splice trays with strap.



Dome Preparation & Installation

Step #26 Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.

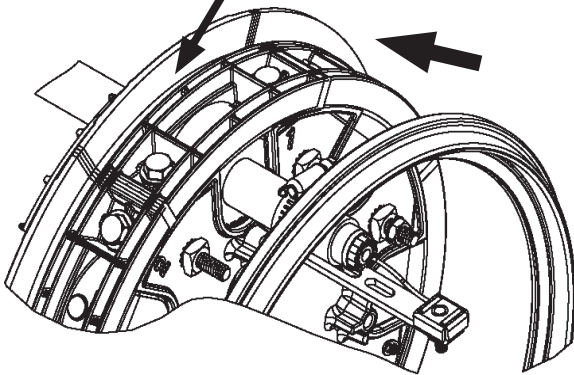
Lubricate all inner surfaces of the gasket.



Lubricate all outer surfaces

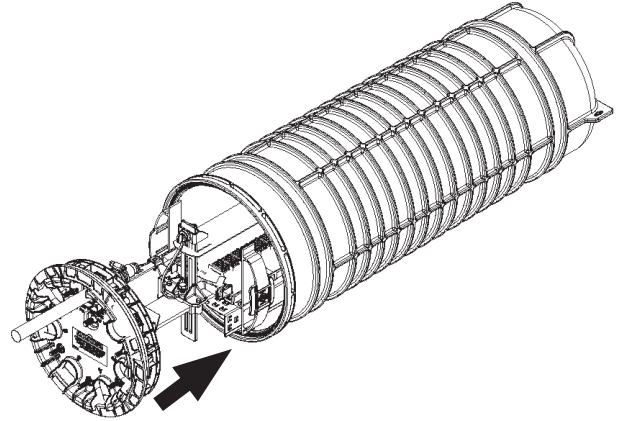
Step #27 Slide end plate gasket onto end plate and press into groove.

Make sure gasket is fully seated in groove of end plate.

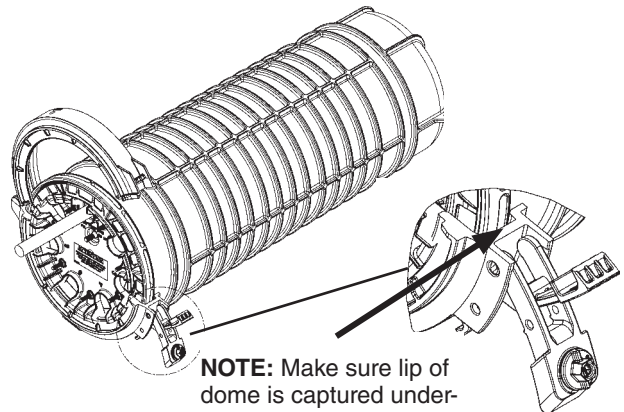


Step #28 Re-tighten all cable cap bolts (Step #12b) to assure that the cable caps are fully seated.

Step #29 Position dome over end plate.



Step #30 Install dome collar.

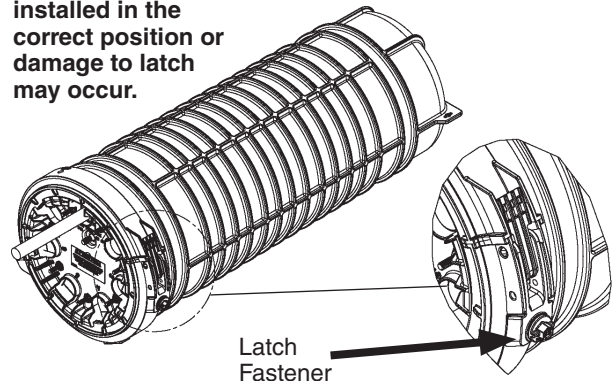


NOTE: Make sure lip of dome is captured underneath the collar before securing the latch.

Step #31 Lock 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.

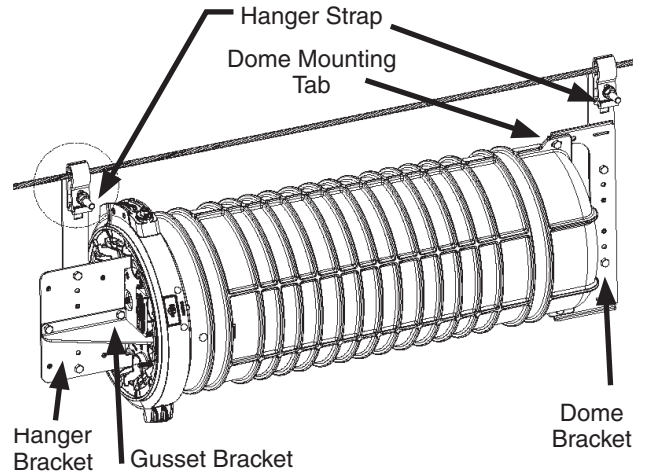
Flash test to 10 psi max.



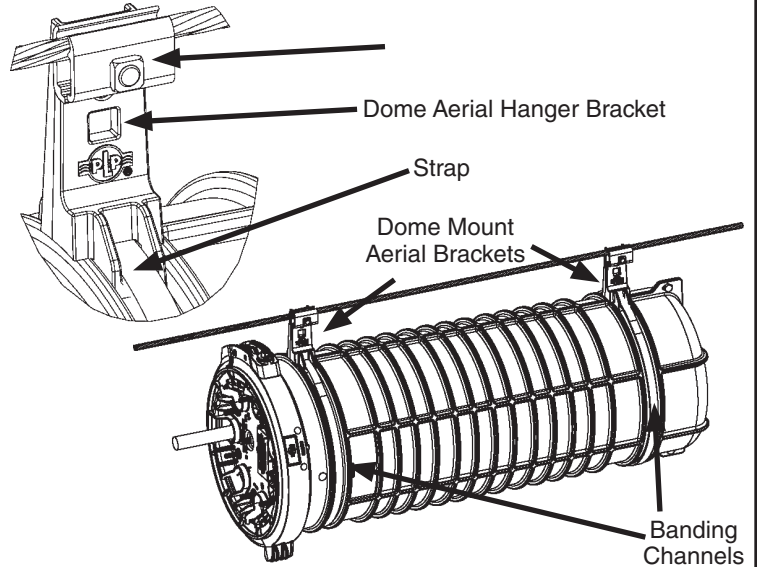
Latch Fastener

Optional Hardware for Mounting

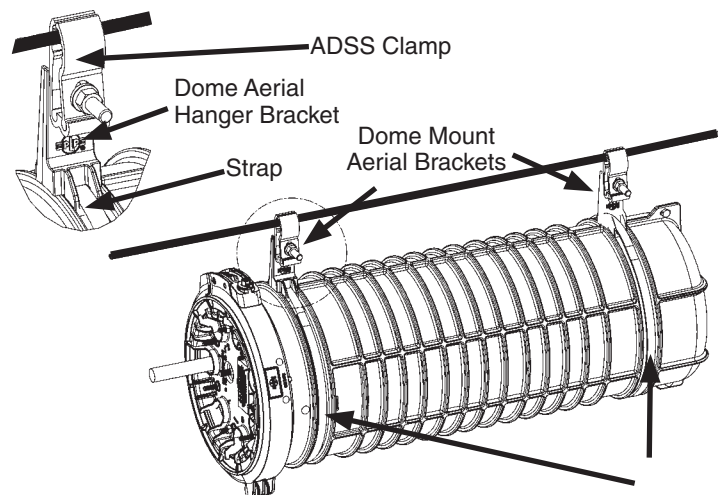
Step #32 9.5" x 28" Dome Aerial Mounting Bracket – End Plate Mount – for ADSS Applications. The COYOTE 9.5" x 28" Dome Aerial Mounting Bracket Kit (Cat. No. 8003941) can be used to suspend the COYOTE 9.5" x 28" Dome Closure from ADSS cable. To install the aerial mounting bracket, first secure the gusset bracket to the hanger bracket before attaching both to the studs of dome end plate. Next, attach the dome bracket to the mounting tabs of the dome. Lastly, attach a hanger strap bracket to the dome bracket and one to the back side of the hanger bracket before mounting the dome closure to the ADSS cable using the clamps of the hanger strap brackets.



Step #33a 9.5" x 28" Dome Aerial Mounting Bracket – Dome Mount – for Strand Applications. The COYOTE 9.5" x 28" Dome Mount Aerial Bracket Kit (Cat. No. 8003940) can be used to suspend the COYOTE 9.5" x 28" Dome Closure from messenger wire. To install the dome mount aerial brackets, position the brackets in the banding channels of the dome and insert banding (plastic or metal) through the slots of the brackets. Tighten the banding until the brackets are secure before mounting the closure to the messenger wire with the bug nuts of the brackets.

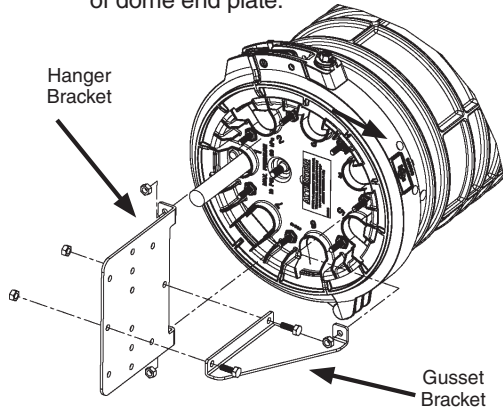


Step #33b 9.5" x 28" Dome Aerial Mounting Bracket – Dome Mount – for ADSS Applications. The COYOTE 9.5" x 28" Dome Mount Aerial Bracket Kit for ADSS (Cat. No. 8003869) can be used to suspend the COYOTE 9.5" x 28" Dome Closure from ADSS cable. To install the Dome Mount Aerial Brackets, position the brackets in the banding channels of the dome and insert banding (plastic or metal) through the slots of the brackets. Tighten the banding until the brackets are secure before mounting the closure to the ADSS cable with the ADSS clamp.

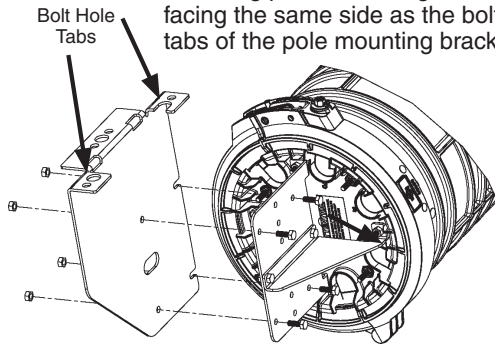


Step #34a 9.5" x 28" Dome Pole Mounting Bracket.

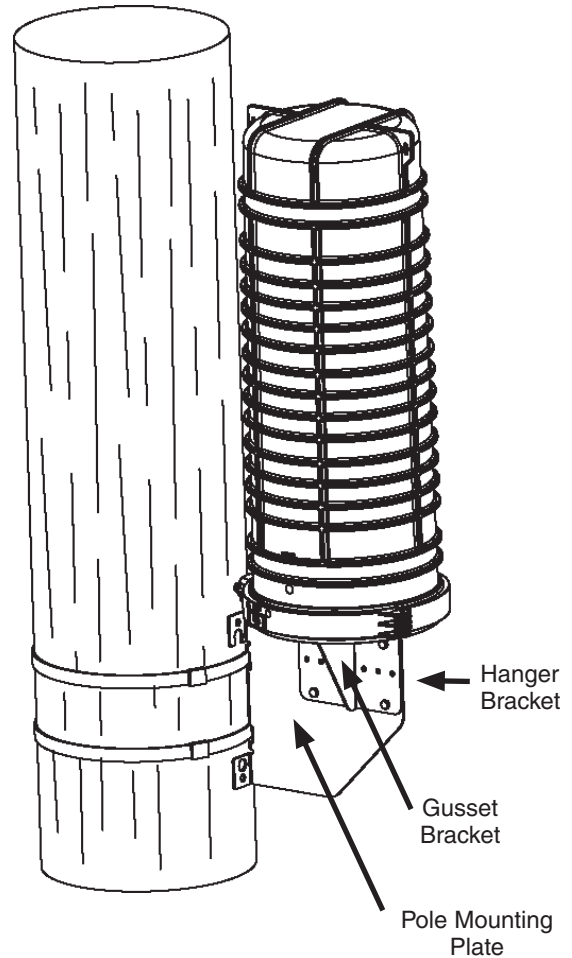
The COYOTE 9.5" Dome Pole Mounting Bracket Kit (Cat. No. 8003942) can be used to secure the COYOTE 9.5" x 28" Dome Closure to wood, concrete, or steel poles. To install the pole mounting bracket, first secure the gusset bracket to the hanger bracket before attaching both to the studs of dome end plate.



Step #34b 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 34c Attach the dome pole mounting plate to the pole with either 5/8" through bolts, 1/4" lag screws, or metal 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.



PREFORMED LINE PRODUCTS

P.O. Box 91129, Cleveland, Ohio 44101 • 440.461.5200 • www.preformed.com • e-mail: inquiries@preformed.com

SP3036-3