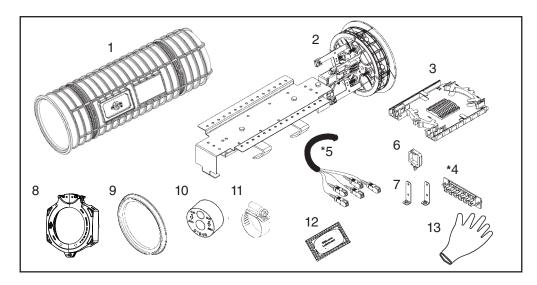


COYOTE® Dome Cross-Connect Closure 6-1/2" x 22"

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)
- 2. Organizer with 4-port end plate assembly (1)
- 3. *Splice Tray (Small LITE-GRIP™ tray shown)
- 4. *Adapter panel
- 5. *Fiber pigtail kit
- 6. Plastic organizer clip (8)
- *Customer Selected Items

- 7. Adapter plate brackets (2)
- 8. Dome collar (1)
- 9. Dome gasket (1)
- 10. Cable grommet (2)
- 11. Hose clamp (4)
- 12. Silicone lubricant (4-five gram packets)
- 13. Disposable glove (1)

TOOLS REQUIRED

- 3/8" & 7/16" can wrench or socket
- 1/4" nut driver or screwdriver
- Snips
- Fiber optic cable opening tools

COYOTE Dome Cross-Connect Closure Kits 6.5" x 17" and 6.5" x 22"		
Catalog Number	Description	
800012185	COYOTE Dome Cross-Connect Closure 6.5" x 17" – Includes: (2) Grommets, (1) Cross Connect Organizer Assembly with 4-Port End Plate Assembly, (1) Dome, (1) Collar Assembly, (1) Gasket, (8) Plastic Organizer Clips, (2) Adapter Plate Brackets, (1) Disposable Glove, (1) Silicone Lubricant Packet, & (4) Hose Clamps	
800012184	COYOTE Dome Cross-Connect Closure 6.5" x 22" – Includes: (2) Grommets, (1) Cross Connect Organizer Assembly with 4-Port End Plate Assembly, (1) Dome, (1) Collar Assembly, (1) Gasket, (8) Plastic Organizer Clips, (2) Adapter Plate Brackets, (1) Disposable Glove, (1) Silicone Lubricant Packet, & (4) Hose Clamps	
Catalog Number	Accessory Kits	
80808456	COYOTE Dome End Plate Fixture	
Catalog Number	Mounting Brackets	
8003716	Aerial Mounting Bracket (End Plate Mount)	
8003831	Aerial Mounting Bracket (Dome Mount)	
8003833	Aerial Mounting Bracket for ADSS Applications (Dome Mount)	
8003702	Pole/Wall Mounting Bracket	
8003835	Universal Mounting Bracket Kit for Hand Hole Applications	
8003707	Swing Arm for Hand Hole Applications	

COYOTE® Dome Cross-Connect CAccessories				
Catalog Number	Description	Catalog Number	Description	
	Adapter Plate /	Connector Kits		
6SMSC	Adapter Plate Module, 6 port, SC, SM, ceramic sleeve	6SMFC	Adapter Plate Module, 6 port, FC, SM, ceramic sleeve	
6SCAPC	Adapter Plate Module, 6 port, SC, SM, APC, ceramic sleeve	8SMFC	Adapter Plate Module, 8 port, FC, SM, ceramic sleeve	
12SMDSC	Adapter Plate Module, 12 port, six dual SC, SM, ceramic sleeve	6FCAPC	Adapter Plate Module, 6 port, FC, SM, APC, ceramic sleeve	
12MMDSC	Adapter Plate Module, 12 port, six dual SC, MM, metal sleeve	6SMLC	Adapter Plate Module, 6 port, LC, SM, ceramic sleeve	
8SMSC	Adapter Plate Module, 8 port, SC, SM, ceramic sleeve	12SMLC	Adapter Plate Module, 12 port, six dual LC, SM, ceramic sleeve	
8SCAPC	Adapter Plate Module, 8 port, SCAPC, SM, ceramic sleeve	6MMST	Adapter Plate Module, 6 port, ST, MM, metal sleeve	
6SMST	Adapter Plate Module, 6 port, ST, SM, ceramic sleeve	600	Blank Filler Panel	
8SMST	Adapter Plate Module, 8 port, ST, SM, ceramic sleeve			
	Pigtail Acce	essory Kits		
P6SCU3	6 Simplex, 900 Micron, Color Coded, SC, SM, 3 meter	P6FC3	6 Simplex, 900 Micron, Color Coded, FC, SM, 3 meter	
P12SCU3	12 Simplex, 900 Micron, Color Coded, SC, SM, 3 meter	P12FC3	12 Simplex, 900 Micron, Color Coded, FC, SM, 3 meter	
P6SCA3	6 Simplex, 900 Micron, Color Coded, SC, SM, APC, 3 meter	P12FC5	12 Simplex, 900 Micron, Color Coded, FC, SM, 5 meter	
P12SCA3	12 Simplex, 900 Micron, Color Coded, SC, SM, APC, 3 meter	P12FCA3	12 Simplex, 900 Micron, Color Coded, FCAPC, SM, 3 meter	
P12SCA5	12 Simplex, 900 Micron, Color Coded, SC, SM, APC, 5 meter	P6LC3	6 Simplex, 900 Micron, Color Coded, LC, SM, 3 meter	
R12SCU3	Ribbon, 12 Fiber, Color Coded, SC, SM, LC, APC, 3 meter	P12LC3	12 Simplex, 900 Micron, Color Coded, LC, SM, 3 meter	
R12SCA3	Ribbon, 12 Fiber, Color Coded, SC, SM, APC, 3 meter	P6STM3	6 Simplex, 900 Micron, Color Coded, ST, MM, 3 meter	
P6ST3	6 Simplex, 900 Micron, Color Coded, ST, SM, 3 meter	P12SCM3	12 Simplex, 900 Micron, Color Coded, SC, 62.5, 3 meter	
P12ST3	12 Simplex, 900 Micron, Color Coded, ST, SM, 3 meter			
	Splice Trays for COYOTE Dome Cross-Con	nect Closure 6.5"	x 17" and 6.5" x 22" Kits	
80807701	Low Profile Splice Tray with plastic splice blocks (12 splice coun	t)		
80807531	Low Profile Splice Tray (blank) - no splice blocks (12 splice cour	nt)		
8003468	24 Count Low Profile Splice Tray with plastic splice blocks (36 splice count)			
80806033	Standard Splice Tray with elastomeric splice blocks (12 splice count)			
80806182	Standard Splice Tray (blank) – no splice blocks (12 splice count)			
80807114	Ribbon Splice Tray with elastomeric splice blocks (72 splice count)			
80808160	Ribbon Splice Tray (blank) – no splice blocks (72 splice count)			
LGSTS16	LITE-GRIP® Splice Tray with Yellow 8-Hole LITE-GRIP splice blocks – single fusion splices (Splice tray is provided wth splice blocks to support 16 splices but has the capacity for 40 splices). Splice Block Kit (Cat. # LGSBS8-5) is required to achieve maximum tray capacity.			
LGSTR144	LITE-GRIP Splice Tray with Purple 3-Hole LITE-GRIP splice blocks – mass fusion/ribbon splices (144 splice count)			

Splice Tray/Closure Capacities for Cross-Connect					
Culies Trey		<u>6.5" x 17"</u>		<u>6.5" x 22"</u>	
Splice Tray Depth	Description	Trays per Closure	Closure Splice Capacity	Trays per Closure	Closure Splice Capacity
Low Profile	Single Fusion	4	48	4	48
24 Count Low Profile	Single Fusion	N/A	N/A	3	72
Standard	Single Fusion or Mechanical	3	36	3	36
Ribbon	Mass Fusion	2	144	2	144
LITE-GRIP	Single Fusion	2	80	2	80
LITE-GRIP	Mass Fusion	2	360	2	360

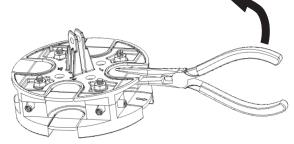
COYOTE Grommet Chart For use in COYOTE ONE Dome, Dome, GLC, In-Line RUNT, Terminal, Taut, LCC, & Aerial Drop Closures **PLP Catalog** Cable Range Inches (mm) **Description Splitting Location** Number .42 - .60 (11 - 15 mm) & 8003701 2-entry grommet .60 - .85 (15 - 22 mm) 8003691 .42 - .60 (11 - 15 mm) 1-entry grommet 8003692 .60 - .85 (15 - 22 mm) 1-entry grommet 8003693 .85 - 1.0 (22 - 25 mm) 1-entry grommet 1.0 - 1.25 (25 - 32 mm) 8003694 1-entry grommet 8003663 .42 - .60 (11 - 15 mm) 2-entry grommet .50 - .60 (12.7 - 15.2) 8003990 .125 - .25 (3.2 - 6.4) 4-entry grommet and flat drop 8003664 .30 - .43 (8 - 11 mm) 4-entry grommet 8004065 .250 - .312 (6.4 mm - 7.9 mm) 4-entry grommet .125 - .25 (3 - 6 mm) 8003665 6-entry grommet and flat drop cable .42 - .60 (11 - 15 mm), .125 - .25 (3 - 6 mm), 8003676 7-entry grommet and flat drop cable .125 - .25 (3 - 6 mm) 8003677 8-entry grommet and flat drop cable

NOTE: Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Packs, (1) Set of Plugs (Multi-Entry Grommets only)

End Plate Preparation

Step #1a Remove end plate from organizer assembly.

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



PLP Tip:

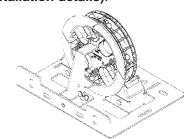
Scoring edges of tabs with knife makes them break out easier.

> Break out entrance ports 3 and 4 for expressed feeder fiber.

Step #1c Break out entrance port 2 for local fiber.

Optional Step Step #2

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



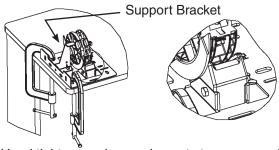
Step #3a Optional Step Install support bracket onto base. Loosen wing Position supnut so slotted port bracket tab of support onto base and bracket can secure with slide behind wing nuts. wing nut. Base can be secured to Note: Do not work surface tighten wing nut with either until end plate is clamps or installed.

Step #3b Optional Step

with bolts.

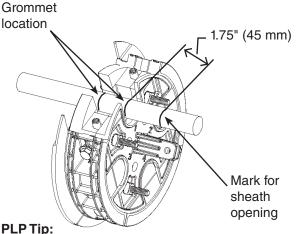
Seat the end plate onto the cushion wedges and secure the support bracket to the stud of the end plate.

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



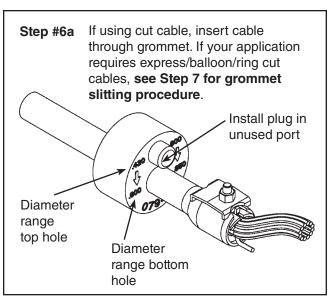
Hand tighten any loose wing nuts to secure end plate to fixture.

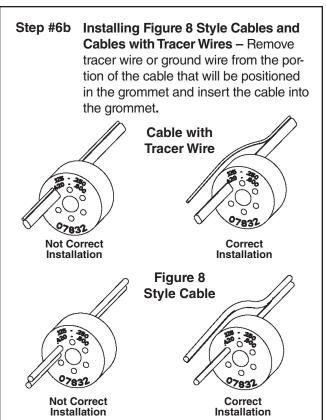
Step #4 Lay cable into entry point and mark for grommet and sheath opening locations.

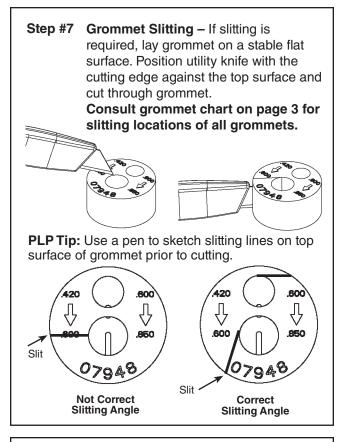


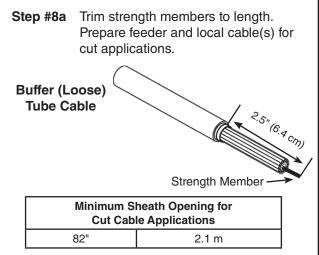
Hole in strength member bracket is a guide for sheath opening.

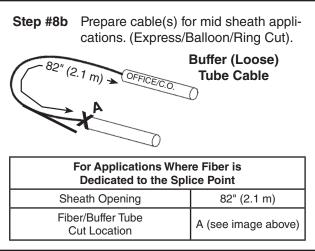
Step #5 Measure cable to determine diameter and hole location to use in grommet.



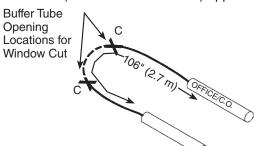








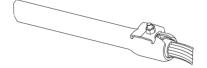
Step #8c Prepare cable for expressed fiber (buffer tube window cut) applications.



For Applications Where Fiber is Expressed through the Buffer Tube		
106" (2.7 m)		
C (see image above)		

Step #9 If shielded cable is being used, install shield connector on shielded cables.

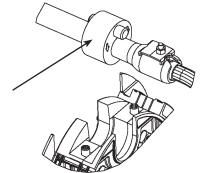
See Step #16 for recommended bonding practice.



Follow standard company practices.

Step #10a Lubricate the outer surface of the grommet.

Lubricate sealing surface of grommet with silicone lubricant provided.

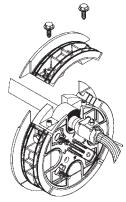


Step #10b Position grommet in end plate slot.

For Wide Range 2-Hole Grommets, make sure arrows are pointing down when inserting grommet(s).

Do not align grommet slit with end plate seam.

Step #11 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).



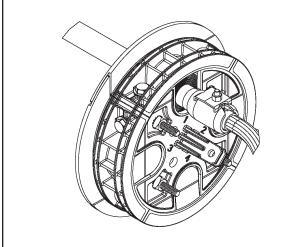
PLP Tip:

To start cable cap bolts, apply pressure with thumb and line up bolts with inserts. Engage 1 or 2 threads on one of the bolts. Repeat the process on opposite bolt. Alternate tightening until fully seated.

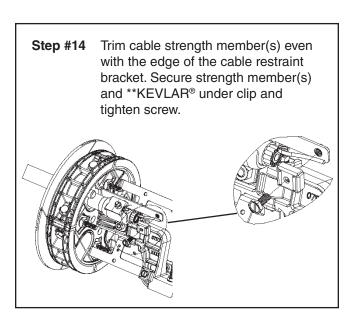
Important Note:

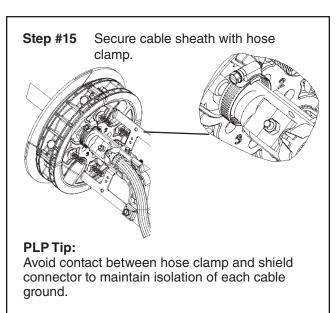
Tighten all unused cable caps.

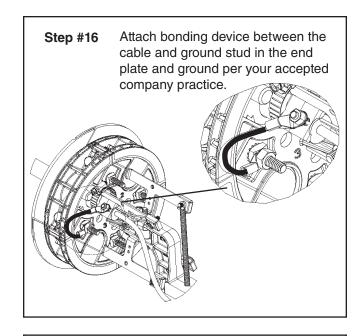
Step #12 Complete end plate assembly.



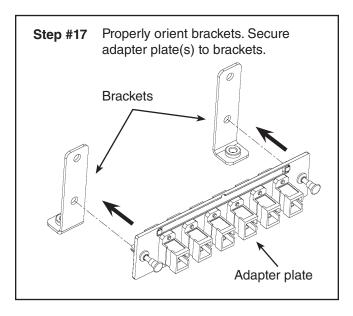
Step #13 Secure organizer assembly to end plate with 1/4" hex bolt and hex nut.

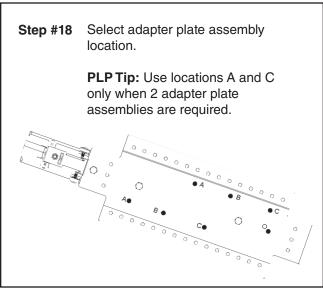




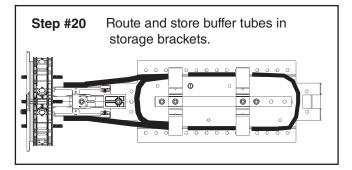


Organizer Preparation

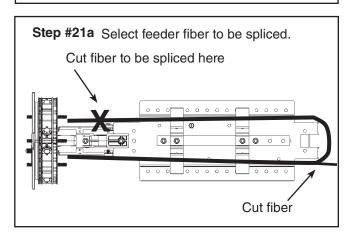


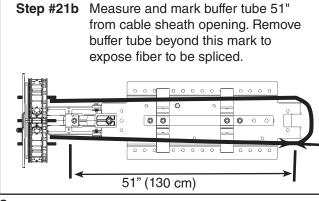


Step #19 Secure adapter plate assembly to mainframe with fasteners provided.



Critical Step:
Position assembly according to image in Step 21a to insure selected fiber is cut at the proper location.





Step #22 Determine feeder and local pigtail length based upon adapter plate location. See charts below.

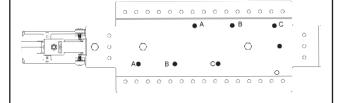
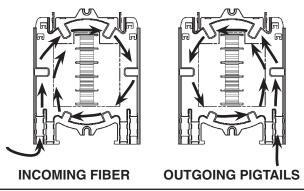


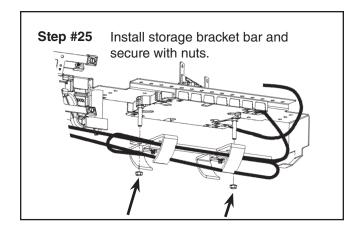
Plate Location	Feeder Pigtail Length	Local Pigtail Length
Α	57" (145 cm)	50" (127 cm)
В	63" (160 cm)	47" (119 cm)
С	64" (163 cm)	44" (112 cm)

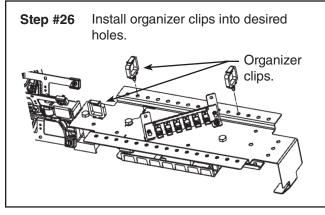
Plate Location	Yellow Braid Length Feeder Pigtails	Yellow Braid Length Local Pigtails
А	23-1/2" (60 cm)	14 -1/2" (37 cm)
В	25-3/4" (65 cm)	11-1/2" (29 cm)
С	29" (74 cm)	8-1/2" (22 cm)

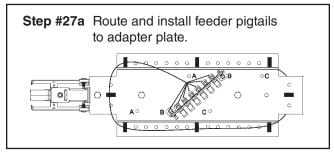
Step #23 Route incoming fibers and outgoing pigtails, and splice per standard company practices.

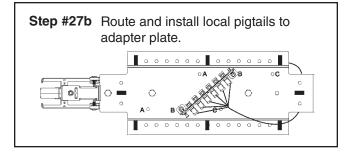


Step #24 Install tray(s) onto mounting studs and secure with nuts. Do not over tighten nuts.

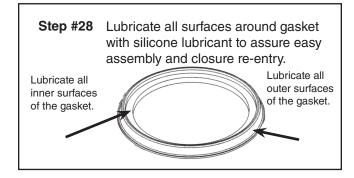


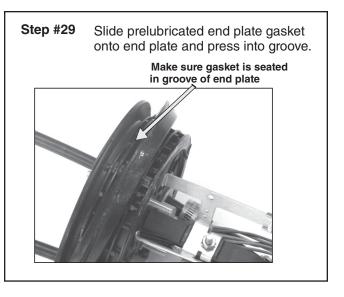






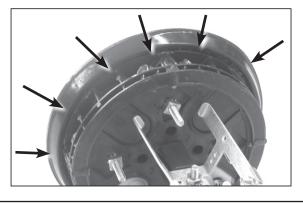
Dome & Collar Installation



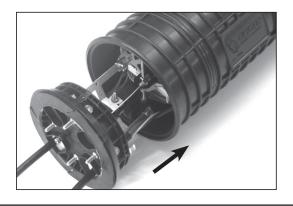


Step #30 Re-tighten all cable cap bolts (step #11) to assure that the cable caps are fully seated. When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

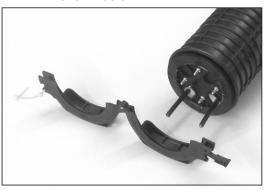
Step #31 Work the gasket into the groove.



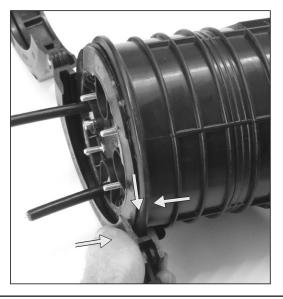
Step #32 Position the dome over end plate.



Step #33 Position the collar flat on the work surface in front of the closure as shown below.



Step #34 While holding the collar in place, compress a portion of the end plate into the dome and insert them in the groove of the collar near the latch, as shown below.

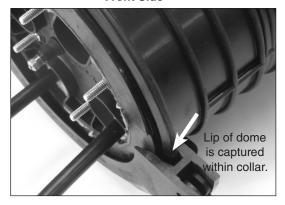


Step #35 While holding the collar in place, push against the end of the dome and slightly lift and push the other half of the dome up and over the lip of the collar with your fingers to fully install the dome in the collar half.

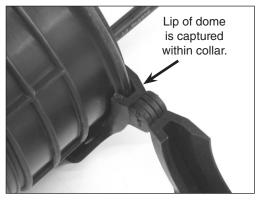


Step #36 Check to make sure the lip of the dome is captured within the collar half.

Front Side



Back Side



Step #37 Install the other collar half onto the closure.



Step #38 Secure the collar with the latch and pin.



Flash Test Procedure

Step #39 Remove cap from air valve of end plate.



Step #40 Pressurize closure up to a max of 10 psi.





Step #41 Spray all sealing surfaces of the dome end-plate with soapy water to determine if there are any leaks.



Step #42 Release the pressure in the closure using the bump on the top of the air valve cap.





Common End Plate Leaks During Flash Testing

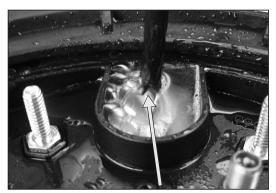
Leak occurring at the corner of the cable port due to the cap of the cable port not being fully tightened.



Leak occurring at the corner of the cable port

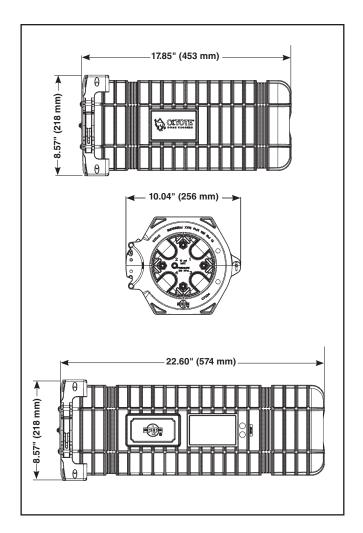
To resolve, remove collar, remove End Plate/ Organizer Assembly from the Dome, and tighten bolts on end cap where leak occurred. Reassemble and flash test to confirm that the leak has stopped.

Leak occurring at the cable entry of the grommet due to the cable not being within the stated cable diameter range of the grommet



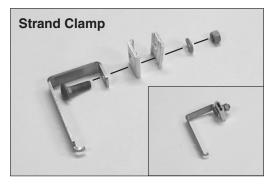
Leak occurring at the cable entry of the grommet

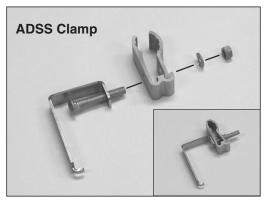
To resolve, remove collar and remove End Plate/Organizer Assembly from the Dome. Remove end cap where leak occurred, remove grommet, remeasure cable with measure tape provided and select proper grommet. Reassemble the components and flash test the closure to confirm that the leak has stopped.



Aerial Mounting Options

Step #43a For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036). Assemble each bug nut or ADSS clamp to each top aerial offset bracket as shown below.





Step #43b For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).

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 #43c For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).

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.





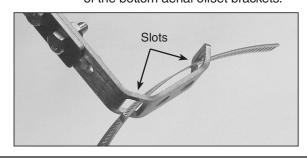
Position 1 - Strand Clamp Shown





Position 2 - Strand Clamp Shown

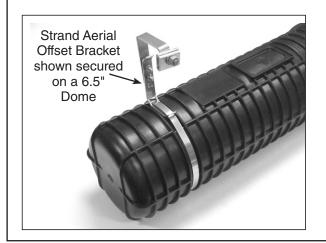
Step #44 6.5" Dome Strand Mount Aerial
Offset Bracket Kit (P/N: 8004035)
and 6.5" Dome ADSS Mount Aerial
Offset Bracket Kit (P/N: 8004036).
Insert hose clamp through slots in each
of the bottom aerial offset brackets.



Step #45
6.5" Dome Strand Mount Aerial
Offset Bracket Kit (P/N: 8004035)
and 6.5" Dome ADSS Mount Aerial
Offset Bracket Kit (P/N: 8004036).
Tighten each hose clamp around
the dome.



Step #46 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036). Bracket installed on dome closure.



Hand Hole Mounting Option

Step #47 COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835). Secure the Universal Mounting

Bracket to the inner wall of the hand hole using 2 screws.



Step #48 COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835).

Insert banding (plastic or metal) through the slots of the hanger brackets.



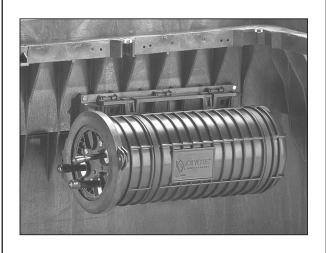
Step #49 COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835).

Position the brackets in the banding channels of the dome. Tighten the banding until the brackets are secure.



Step #50 COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835).

Slide the hanger brackets into the proper slots of the Universal Mounting Bracket and snap the hinged lid into place to secure the hanger brackets.



Pole/Wall Mounting Option

Step #51 The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

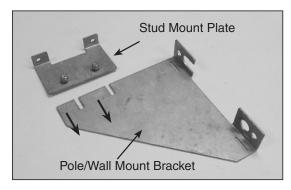
Position the bolts through the stud mount plate as shown, and install lock nuts on bolts until there is a 1/8" (3 mm) gap between the nut and the stud mount plate.

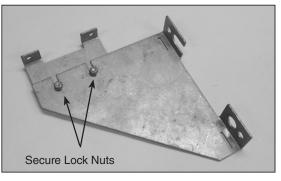




Step #52 The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Slide the bolts of stud mount plate into the slots of the pole/wall mount bracket as shown and tighten the lock nuts until the plates are secure.

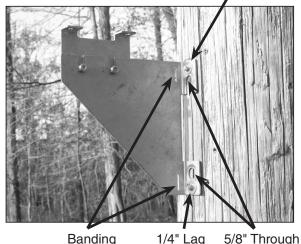




Step #53 The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Attach the dome pole/wall mount bracket to a pole or wall with either 5/8" through bolts, 1/4" lag screws, or banding straps.

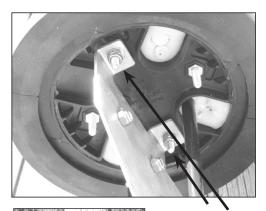
1/4" Lag Screw Hole



Banding 1/4" Lag 5/8" Through Slots Screw Hole Bolt Holes

Step #54 The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Attach the COYOTE Dome closure to the pole/ wall mount bracket by inserting the studs of the dome closure end plate through the stud holes of the stud mount plate and securing with the lock nuts provided.

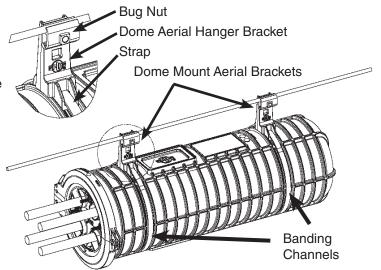




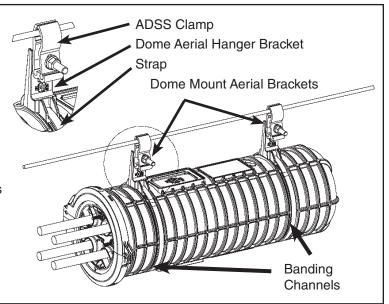
Secure Lock Nuts

Step #55a

Dome Aerial Mounting Bracket – Dome Mount - for 6.5" x 17" or 22" Dome Closures. The COYOTE® Dome Mount Aerial Bracket Kit (Cat. No. 8003831) can be used to suspend the COYOTE Dome closure from the 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 #55b The COYOTE Dome Mount Aerial Bracket Kit for ADSS (Cat. No. 8003833) can be used to suspend the 6.5" x 17" or 6.5" x 22" COYOTE 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.



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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