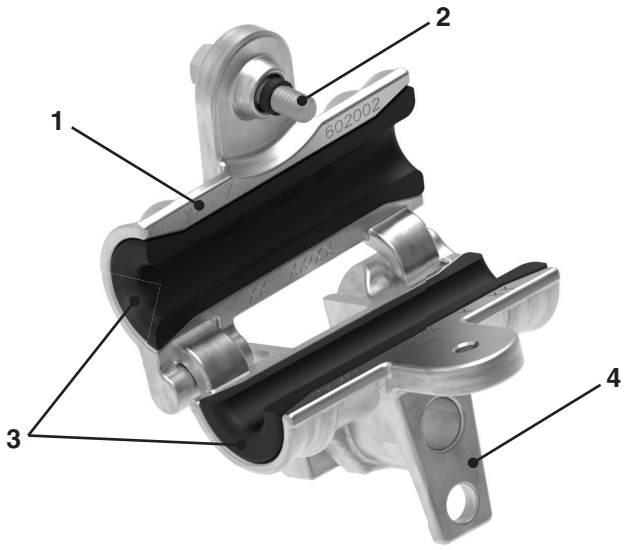
FIBERLIGN® Aluminum Support for ADSS

For use on All-Dielectric Self Supporting (ADSS) Fiber Optic Cable

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



NOMENCLATURE

1. Housing Assembly Keeper (1)
2. Capture Bolt, Lock Washer, Washer, & Grommet (1)
3. Insert Half (2)
4. Housing Assembly Base (1)

TOOLS REQUIRED

- Socket wrench or torque wrench with 9/16" socket
- Adjustable wrench
- Electric drill with auger drill bit for a 5/8" bolt

BOLTED APPLICATIONS

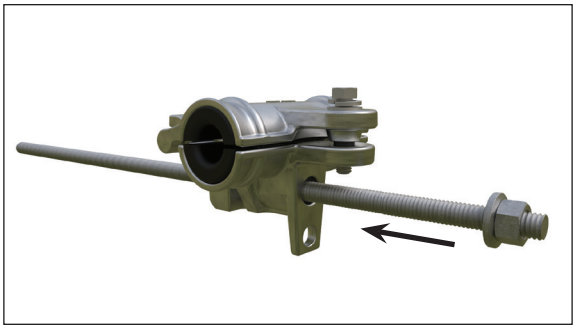
IMPORTANT NOTE:

Double-arming bolts, through bolts, and fasteners are not provided with the FIBERLIGN Aluminum Support.

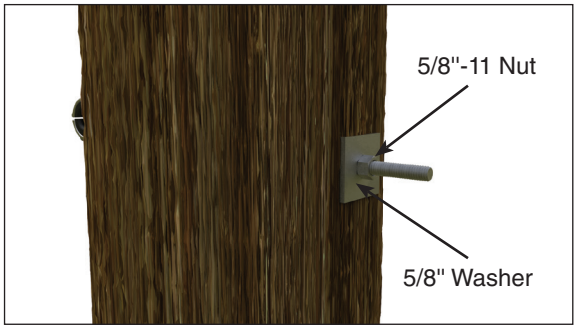
Step #1 Drill a hole through the pole to accept a 5/8" bolt. Drill at a right angle to the line for tangent lines or bisect the angle for angled lines.

Step #2 If using a 5/8"-11 double-arming bolt, install a washer and a nut at one end of the bolt as shown below.

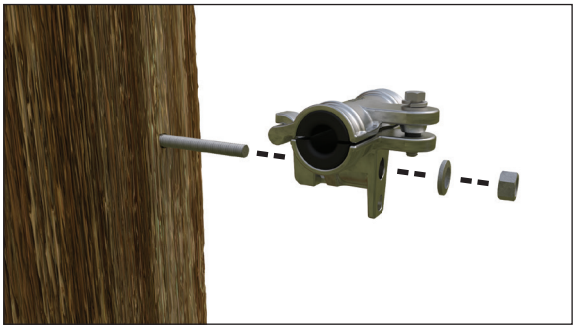
Step #3 Insert a through bolt or a double-arming bolt with washer and nut (not provided) through the bolt hole of the housing assembly base.



Step #4 Insert the bolt with the housing through the hole of the pole and secure the bolt with a 5/8"-11 nut and washer (not provided) on the opposite side of the pole.



NOTE: If a double-arming bolt is already inserted in the pole make sure roughly 4" (102 mm) of the bolt is exposed. Insert the bolt through the bolt hole of the housing assembly base and secure with a 5/8"-11 nut and washer.



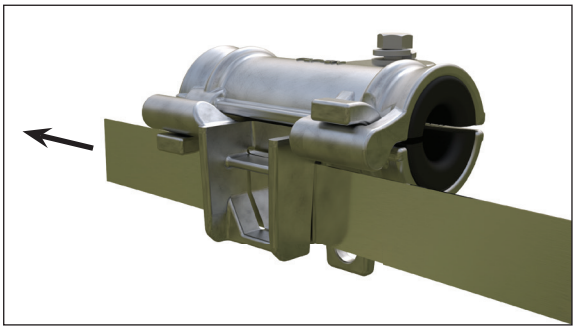
Step #5 Completed bolted application.

BANDED APPLICATIONS

IMPORTANT NOTE:

Banding is not provided with the FIBERLIGN® Aluminum Support. For full strength capability, use a band that is 1-1/4" (32 mm) wide x 0.040" (1 mm) thick with a 45,000 psi yield strength and 95,000 psi ultimate strength.

Step #6 Insert the banding through the banding slot of the housing assembly base as shown below.



Step #7 Wrap the banding around the pole or structure and place the support at the desired location. Tighten the banding in accordance with the banding manufacturer's instructions.

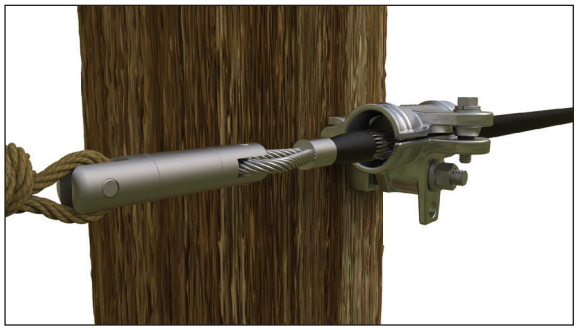
STRINGING APPLICATIONS

IMPORTANT NOTE:

The maximum line or sag angle for stringing applications with the FIBERLIGN® Aluminum Support is 10 degrees (20 degrees in certain cases – consult PLP).

Step #8 Loosen the captive bolt and hinge open the keeper. Remove the inserts from the keeper and base.

Step #9 Loosely engage the captive bolt to secure the keeper to the base and pull the cable through the empty cavity of the support. **NOTE:** The largest cable, rope, or pulling-in grip that will move freely through the support is approximately 1.2" (30 mm) in diameter.



Step #10 Once the cable stringing operation is completed and the proper sag is reached, loosen the captive bolt and hinge open the keeper. Lift up the cable so that one of the insert halves can be placed into the base and place the other insert half into the keeper.

SECURING CABLE IN SUPPORT

IMPORTANT NOTE:

The maximum line or sag angle for permanent installations with the FIBERLIGN Aluminum Support is approximately 20 degrees for most ADSS cables. These recommended sag and angle limits can be affected by cable size, brand, stringing tension, and loading conditions. **CONSULT PLP FOR EXCEPTIONS WHEN GREATER ANGLES ARE REQUIRED**.

Step #11 Lay the cable in the groove of the insert half of the base.

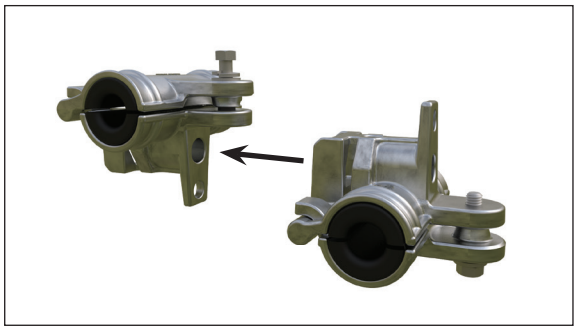
Step #12 Secure the keeper to the base by tightening the captive bolt until the lock washer is flat. Once it has been flattened make 2 more revolutions of the bolt with a socket wrench or until a torque of 10 ft-lbs (13.5 Nm) has been reached with a torque wrench.

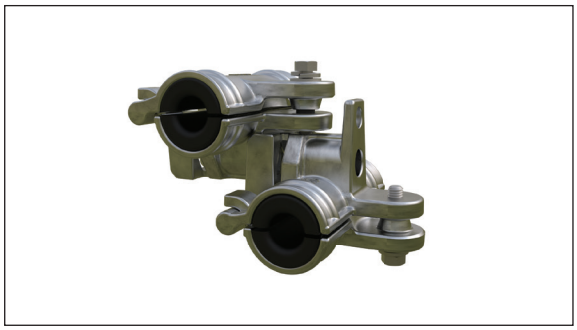
STACKING SUPPORTS FOR MULTIPLE CABLE INSTALLATIONS – BOLTED APPLICATIONS ONLY

IMPORTANT NOTE:

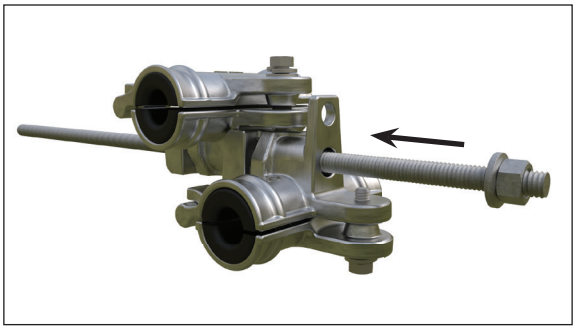
For installations where more than two supports will be stacked, a brace should be used to help support the cantilever load on the through bolt.

Step #13 Stack the support housings as shown below.

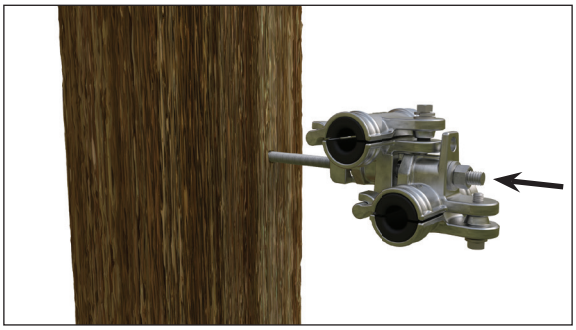


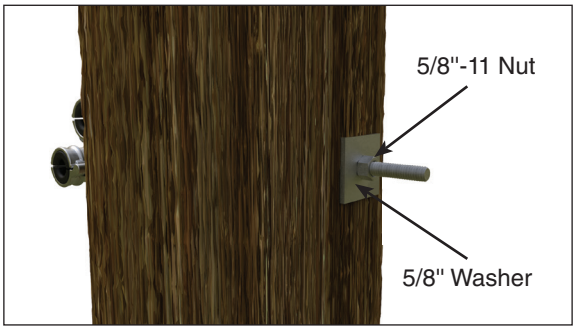


Step #14 Insert a through bolt or a double-arming bolt with washer and nut (not provided) through the bolt holes of the stacked housing assemblies.

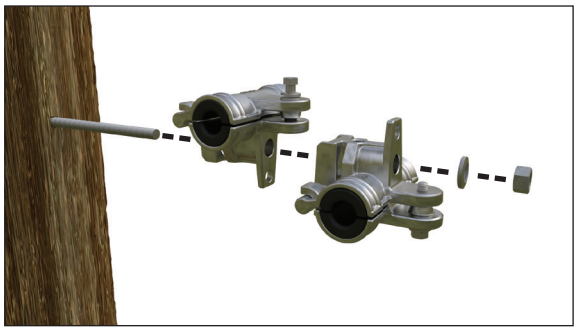


Step #15 Insert the bolt with the housings through the hole of the pole and secure the bolt with a 5/8"-11 nut and washer (not provided) on the opposite side of the pole.





NOTE: If a double-arming bolt is already inserted in the pole make sure roughly 7" (178 mm) of the bolt is exposed. Insert the bolt through the bolt holes of the housing assembly bases and secure with a 5/8"-11 nut and washer.



COMPONENT REUSE

HARDWARE:

The housing assembly base and keeper can be reused if they are in good condition.

INSERT HALVES:

If there are any signs of scratches, gouges, tears, or other damage to the cable groove of the the insert half, replace the insert half with a new insert half.

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. Be sure to wear proper safety equipment per your company protocol.

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

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

PREFORMED LINE PRODUCTS

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