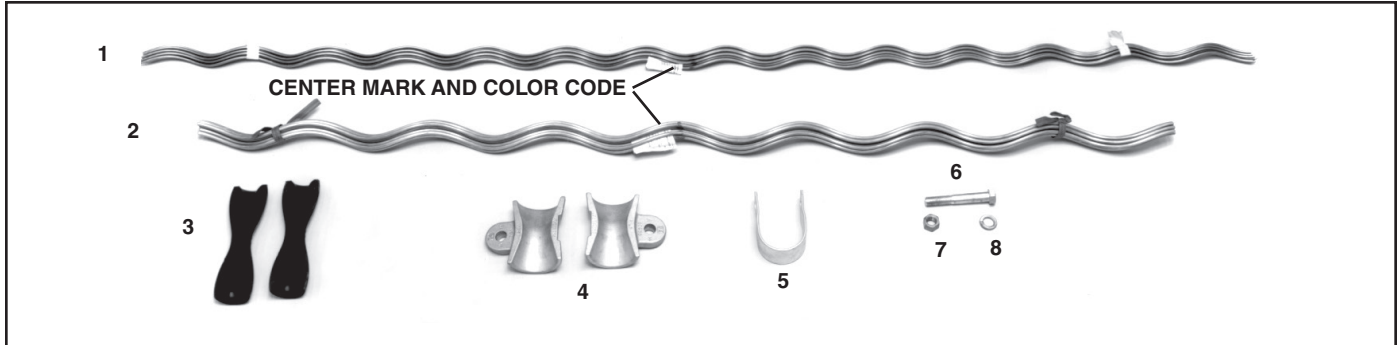




THERMOLIGN® Double Suspension

For High Temperature Conductors

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



THERMOLIGN SUSPENSION AND ASSOCIATED HARDWARE

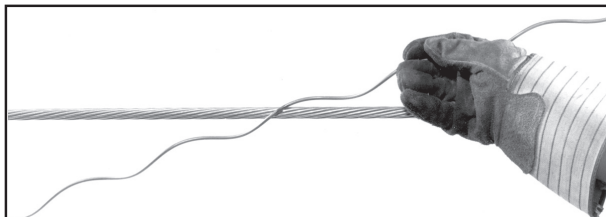
NOMENCLATURE

1. Inner Support Rods
2. Outer Rods
3. Insert (4 halves)
4. Housing (4 halves)
5. Strap (2)
6. Bolt (2)
7. Lock Nut (2)
8. Lock Washer (2)

Step #1 INNER ROD APPLICATION

Plumb suspension and mark conductor at center of sheave. Use felt marking pen or lumber crayon; do not scratch. Lift the conductor beyond the ends of the rods to allow sufficient clearance for the application.

Apply the factory-marked centerline of the first Inner Rod to the center of the cable. Wrap the first rod around the conductor.



WRAP FIRST ROD AROUND CONDUCTOR

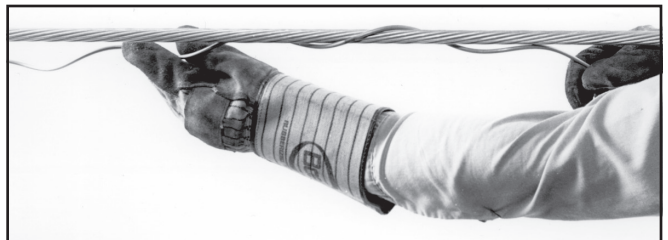
NOTE: Leave last 10" - 14" (254-356 mm) on both ends of the Inner Rods loose. This will enable you to check that a rod has not shifted, or "walked", on the cable, and will allow simplified final make-up.

Step #2 Apply all remaining Inner Rods around the conductor. When most of the rods are applied and most gaps are closed, the remaining rods will push between rods already applied to assure a strong, armored reinforcement.

MAKE SURE THAT NO RODS ARE CROSSED AND THAT ALL RODS ARE EVENLY SPACED.

PLP Tip: Be sure that the alignment of all rod ends is maintained with 2" (51 mm). Remove and reapply any that exceed this limit.

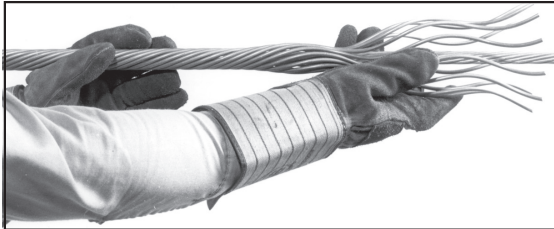
To complete application, use both hands to wrap inner rods simultaneously into position. First do one end bundle, then the other end.



APPLY ALL REMAINING INNER RODS AROUND THE CONDUCTOR

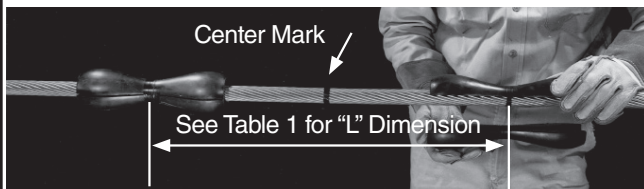
Step #3 Wrap inner rods simultaneously into position.

NOTE: Inner Rods are not interchangeable with standard Armor Rods or ARMOR-GRIP® Suspension Rods. Because the sets are factory matched, do not intermix rods from different sets or attempt to apply more rods than supplied.



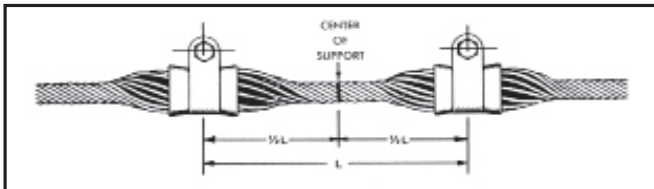
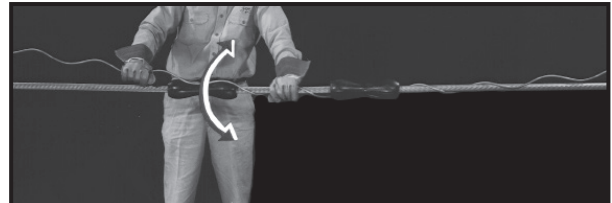
Conductor Range (mm)		Dimensions (mm)
Min.	Max.	L
0.574" (14.5 mm)	0.691" (17.55 mm)	26" (660 mm)
0.709" (18.0 mm)	0.855" (21.71 mm)	29" (736 mm)
0.856" (21.7 mm)	1.057" (26.84 mm)	32" (812 mm)
1.058" (26.8 mm)	1.262" (32.05 mm)	37" (940 mm)
1.263" (32.0 mm)	1.700" (43.18 mm)	42" (1067 mm)

Step #5 Start application of rods at the center mark, NOT on the neoprene insert as is the case with the single ARMOR-GRIP® Suspension.



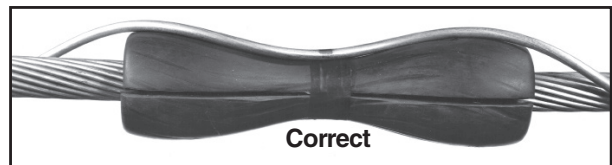
Step #4 Mark the conductor at the center of the stringing block and place one pair of neoprene inserts on each side of this mark a distance equal to 1/2 "L" dimension. Be sure to use the correct conductor diameter when selecting the "L" dimension. See Table 1.

Step #6 Wrap the rod around the conductor in each direction toward each neoprene insert. The rod will start over each neoprene. Each rod should lay down into the contour of the neoprene. If the rod does not follow the neoprene contour, move the rod either clockwise or counterclockwise (see arrow) on the neoprene until it fits as shown in below.

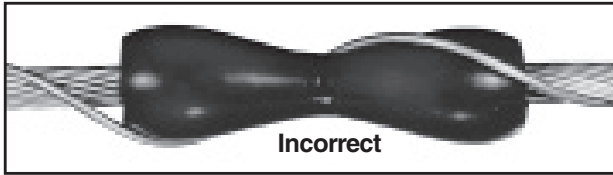


PLP Tip: For extremely corrosive coastal environments, the application of a liberal amount of a conductive oxide inhibitor to the conductor under the AGS Neoprene Inserts will minimize the possibility of corrosive contaminant build-up.

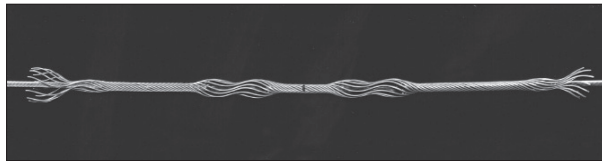
Step #7 Proper application of one rod. The curvature of the rod follows the contour of the neoprene insert. **MAKE CERTAIN THAT THERE IS NO GAP BETWEEN THE ROD AND INSERT.**



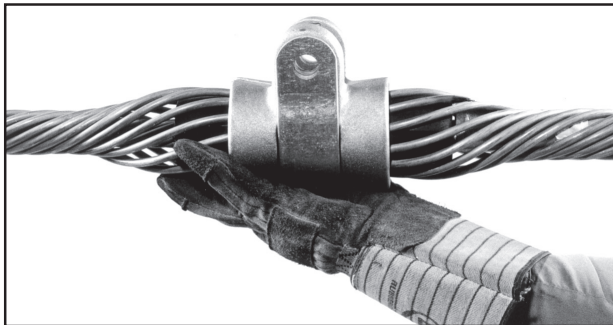
Step #8 Improper application of one rod shown below. **DO NOT WRAP ROD AROUND THE NEOPRENE INSERT AS SHOWN.**



Step #9 Apply remainder of the rods in the same manner. Insure that rod ends are snapped in place.

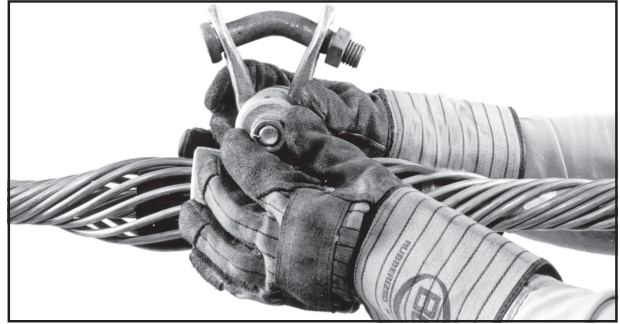


Step #10 Place the housing on both sides of the neoprene insert and rod assembly with the bolt hole facing up. Slide the strap into position around the housing. Tap firmly into place with the heel of the hand.

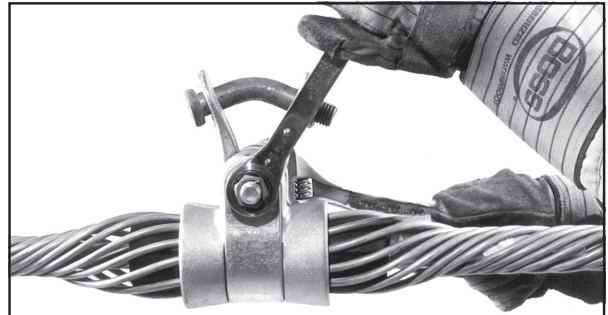


Step #11 Spread the ears of the housing and tap strap into position again. This will assure alignment so that the bolt can be easily inserted.

Slide the bolt into position through the strap and housing. Apply the lock washer.



Step #12 Apply the locking nut. Tighten until the lockwasher is flat.



NOTE: Do not over tighten. Do not squeeze ears of housing against attachment fitting.

PLP Tip: Be sure that the locking tab on the nut faces the end of the bolt. The locking tab will prevent the nut from backing off during vibration.

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.

This product is intended for a single (one time) use and for the specified application.

Do not reuse or modify this product under any circumstances.

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

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

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

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



PREFORMED LINE PRODUCTS

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