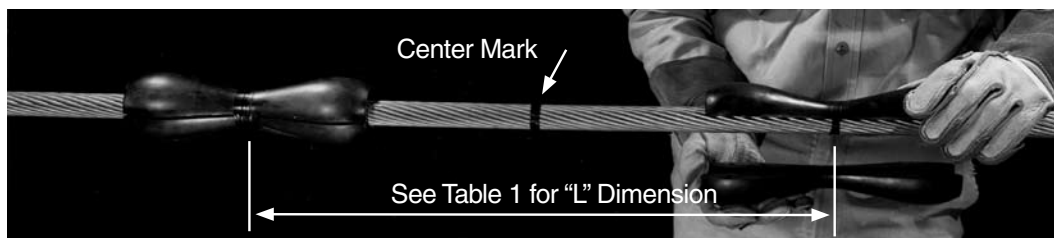


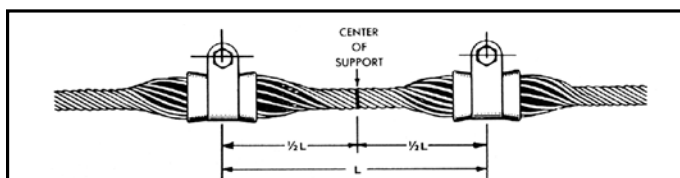


ARMOR-GRIP® Suspension: Double

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



Step #1 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.



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



Step #3 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 figure 4 below.



Step #4 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.**

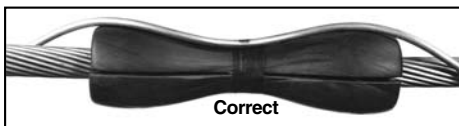
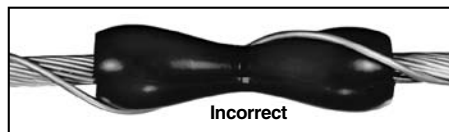


Table 1		
Conductor Range (In.)		Dimensions (In.)
Min.	Max.	L
.304	.389	12
.390	.481	12
.482	.542	12
.543	.619	12
.620	.645	18
.646	.750	18
.751	.907	18
.908	1.005	22
1.006	1.208	26
1.209	1.355	29
1.356	1.557	32
1.558	1.828	37

Step #5 Improper application of one rod shown below. **DO NOT WRAP ROD AROUND THE NEOPRENE INSERT AS SHOWN.**



Step #6 Apply remainder of the rods in the same manner. Insure that rod ends are snapped in place.



- Step #7** Place the two halves of the AGS Housing on either side of the insert rod assemblies. Slide the AGS Strap into position and with the heel of the hand, tap firmly into place.



- Step #8** Spread the ears of the housing and tap strap into place again. This will align the holes so that the bolt may be inserted easily.



- Step #9** Tighten the nut until the lock washer becomes almost flat. **DO NOT OVERTIGHTEN. DO NOT SQUEEZE EARS OF AGS HOUSING AGAINST FITTING.**



GENERAL NOTES

1. ARMOR-GRIP® Suspension Rods are precision devices. To insure a tight assembly, they should be stored and handled carefully. To prevent distortion and damage, they should be installed as illustrated.
2. ARMOR-GRIP® Suspension Rods are NOT interchangeable with standard Armor Rods.
3. On some sizes of ARMOR-GRIP® Suspension there will appear to be enough gap between rods to apply an additional rod. BUT all AGS Rods are packed in sets. Apply only the number of rods in the set.
4. Maximum line angle of deviation:
 - a. The single support ARMOR-GRIP® Suspension may be used on line angles up through 30°.
 - b. Use the double support ARMOR-GRIP® Suspension for line angles between 30° and 60°. Consult the Factory for an engineering recommendation regarding this application.
5. ARMOR-GRIP® Suspension Rods are factory matched; do not intermix rods from different sets.
6. Do not reverse rods end to end in any one set; that is, do not flip end over end.
7. The alignment of the rods end should be maintained within 2 inches for voltages of 230 KV and lower; for 345 KV and above, the alignment of the ends of the rods should be maintained within 3/4 inch.

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

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

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