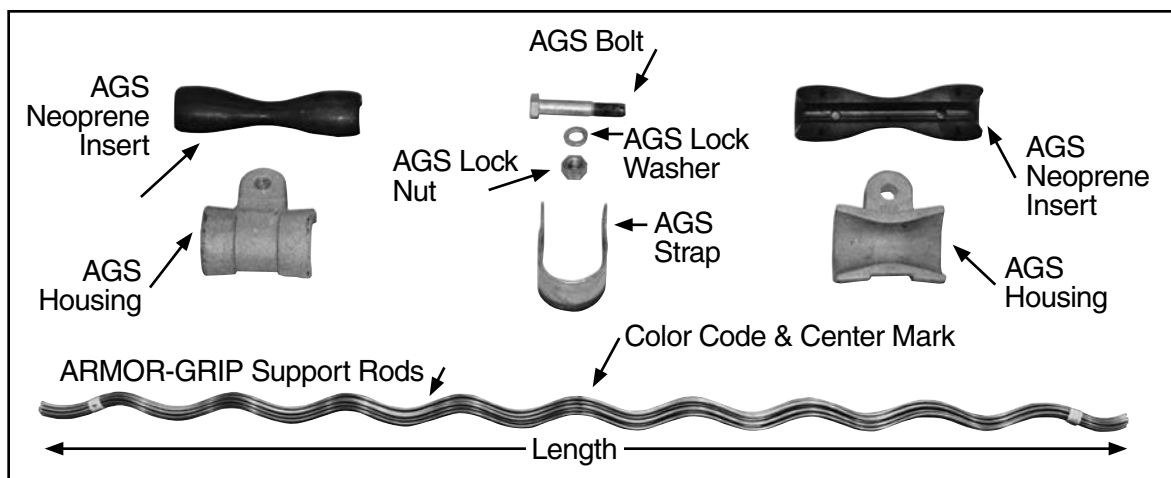




## ARMOR-GRIP® Suspension

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



Step #1

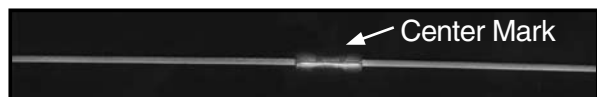
### ARMOR-GRIP SUSPENSION NOMENCLATURE

**Step #2** Plumb insulator string and mark conductor at center of sheave. Use a felt marking pen or lumber crayon; do not scratch conductor. Lift the conductor beyond the ends of the rods to allow enough clearance for the application.



**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.

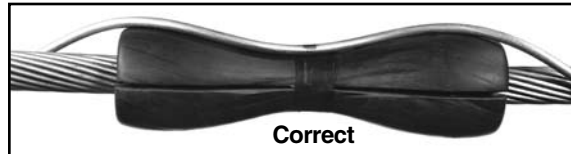
**Step #3** Align center marks of AGS Neoprene Inserts with center mark on conductor and tape in place with a thin layer of tape.



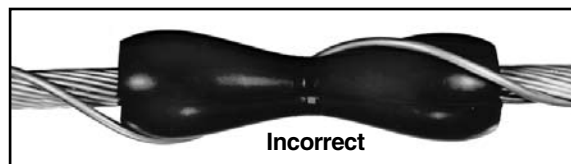
**Step #4** Center the AGS Rod on the insert. Apply sufficient length of rod (approximately two wraps) so that it will stay on the conductor. **DO NOT DISTORT RODS.**



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



**Step #6** Apply all remaining rods evenly around neoprene insert. **MAKE SURE THAT NO RODS ARE CROSSED.** Each AGS Rod can be applied completely, or all rods can be applied partially as shown in Figure 5a above. Make sure that all rod ends are snapped into place.



- Step #7** Place the two halves of the AGS Housing on either side of the center assembly. 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 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

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