



A.G.S. Installation

Mean Time: 12 minutes

Drop Dead: 15 minutes

Chief Judge: Maurice Bacon, *Fort Pierce Utilities Authority*

Event Summary:

The Apprentice will remove 394.5 AAC conductor from traveler and properly install "Armor Grip Suspension" (AGS) and secure to a 46kV insulator at the top of a 40' wood pole.

Event Specifics:

1. The Apprentice is permitted to ask any questions and put on his/her tools during the 5 minute set up time.
2. The Apprentice will adhere to the General Rules as outlined in the packet.
3. A new AGS unit and rod will be located at each station; A new rod will be used for each competitor
4. The time will start when the Apprentice first ascends the pole.
5. The Apprentice must carry a hand line with them in order to pull up the materials needed to secure the wire.
6. The materials must come up and down in a bag.
7. The Apprentice will remove the conductor, install the AGS and secure the assembly in the insulator.
8. If a rod is bent during application so that it cannot be properly installed, the rod shall be left out and 2 points will be deducted. Rods must be centered with less than ¼" deviation of any strand toward the end out on the line.
9. Time will stop when the Apprentice is satisfied that the conductor has been properly installed and informs the judge he/she is finished.
10. The Apprentice will disassemble the parts and place them back in the bag and lower it to the ground. The Apprentice must railroad the hand line and make it up once he/she has reached the ground.
11. The old armor rods must be discarded and replaced with new ones before leaving the event area. The Judge will have new rods to give to the Apprentice.
12. Though the time has stopped the Apprentice will still be judged during the time of putting the event back in order for the next competitor.

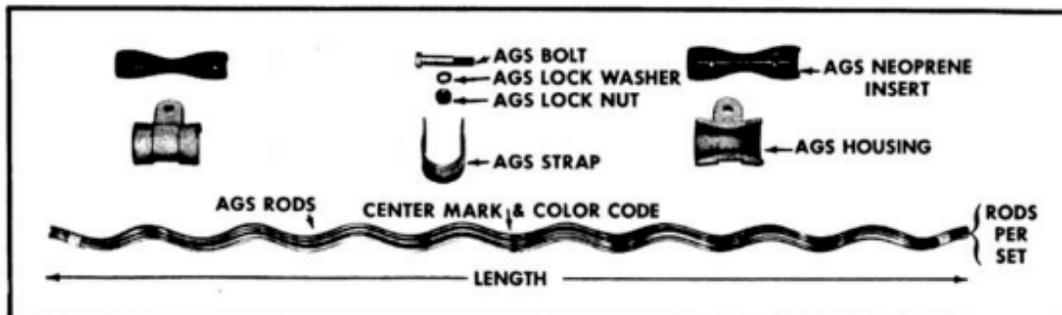


A.G.S. Installation

APPLICATION PROCEDURE & SAFETY CONSIDERATIONS **PREFORMED** LINE PRODUCTS **ARMOR-GRIP. Suspension**

NOVEMBER 1996

Completely read and understand this procedure before applying product. Special attention should be given to the Safety Considerations located on the last page. We advise the reader to review those considerations now, and then again during the general review of this procedure.



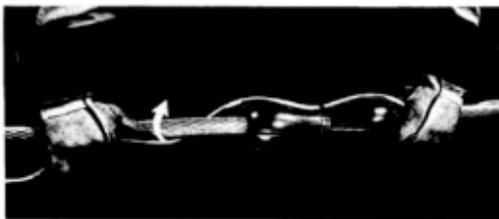
1. ARMOR-GRIP Suspension nomenclature.



2. Plumb insulator string and mark conductor at center of sheave. Use 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.



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



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.

5. A. Proper application of one rod. The curvature of the rod follows the contour of the neoprene insert. **MAKE CERTAIN THAT THERE IS NO SPACE BETWEEN THE ROD AND INSERT.**

B. Improper application of one rod. **DO NOT WRAP ROD AROUND THE NEOPRENE INSERT AS SHOWN.**



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 above. Make sure that all rod ends are snapped into place.