

Arms Extensions

Eco Electrical Systems offers four different types of arms/extensions with most of our insulator covers for avian protection. Our one piece wide arm without a tab was our first design. Our second generation one piece arm has a tab. They are both the same length and width. They will accept conductors up to 2.25 inches in diameter. The tab is designed to prevent the arm from backing off the insulator cover. It is used in conjunction with a flange that has a rib. The arm snaps into place and the tab prevents the arm from backing off. It can be easily removed by lifting up on the tab and removing the arm from the insulator cover. **The tabbed arms are shipped with flanges for protection. Remove the flange from the arm and install the arm into the insulator cover. The protective flange can be discarded.**

For arms/extensions that are designed for our patented hinge design we offer a wide arm or narrow arm profile. The wide arm is the same dimensions as our one piece arms with or without the tab. It will accept conductors up to 2.25 inches in diameter. The narrow arm will accept conductors up to 1.38 inches in diameter. The difference in this design is the insulator cover is installed first. The insulator cover with the hinges and arm adapters is a shorter overall length than installing an insulator cover with arms where the length is approximately 75 inches in one piece. **The hinge design is installed in three pieces. The insulator cover is installed first, then each arm separately.** This design offers flexibility for downstrain applications. The arms are independent of the insulator cover. The hinges and arm adapters are installed in the factory and designed for different insulator covers. **The only decision the end user needs to decide is wide arm or narrow arm for the insulator cover.**

Part numbers for various insulator covers use nomenclature such as HSW, HSN, HLW and HLN. These part numbers are for determining the length of the hinge that is designed for each insulator cover and the type of arm the end user requests. H stands for Hinge, S or L stands for the length of the hinge which is determined in the design of the insulator cover, and W and N stand for Wide or Narrow arm.

As mentioned earlier, the only thing the end user needs to determine is, one piece arm, tab or no tab.

For hinge type designs, wide arm or narrow arm.

Under our insulator conductor covers page the part numbers are listed according to the design.