

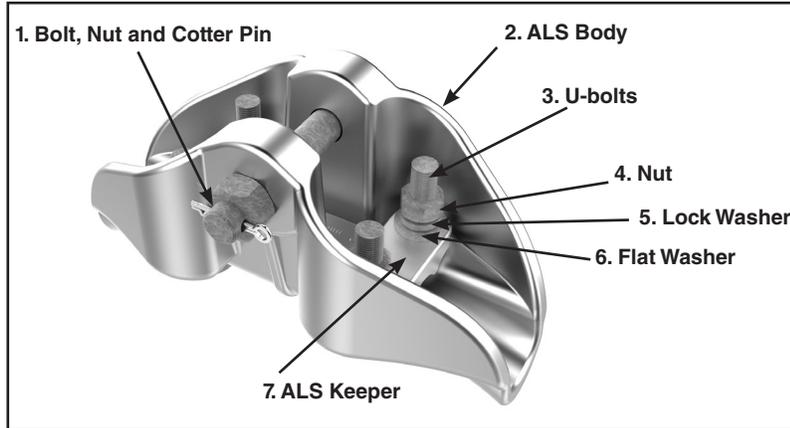


Aluminum Suspension Clamp

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

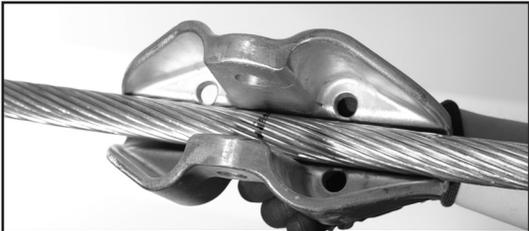
NOMENCLATURE

- 1. Bolt, Nut & Cotter Pin
- 2. ALS Body
- 3. U-bolts (2)
- 4. Nuts (4)
- 5. Lock washer (4)
- 6. Flat Washer (4)
- 7. ALS Keeper



Step #1 Remove the pin and cotter key or bolt, nut and cotter key. Completely disengage the nuts and washers holding the u-bolts and the keeper together and lift the keeper out.

Step #2 Plumb suspension and mark the conductor or PLP Armor Rods where the center of the clamp will fall using a felt pen or lumber crayon. Do not notch conductor or Armor Rod strands. **Be sure that the surface that will be within the Aluminum Suspension (ALS) Clamp is free from dirt or oxidation. Wire brush clean, if required. This is especially important if the ALS is installed on an existing conductor.**



NOTE: If placing PLP Armor Rods on the conductor before installing the ALS, ensure that the clamp is sized for the built up diameter and that the Armor Rods are installed correctly. For installation of Armor Rods, please refer to SP2052.

Step #3 Place the clamp on the conductor or Armor Rods, lining up the suspension pinholes with the mark made on the conductor and the structure connection point. Secure the keeper on top of the line with the u-bolts, washer and nuts. Tighten by hand until snug.



Step #4

Evenly tighten all four nuts onto the u-bolts with a ratchet wrench.

Tightening of the bolts should be completed in a circular pattern. When tightening with the torque wrench, start with any bolt but only tighten partially before moving on to the other bolts. This should be repeated until the proper bolt torque is achieved based on values in the table below.

Clamp Range (mm)	Bolt Torque
0.200"-0.470" (5.1-11.9)	11 ft-lbs (15 Nm)
0.471"-0.670" (11.9-17)	19 ft-lbs (26 Nm)
0.671"-0.910" (17-23.1)	37 ft-lbs (50 Nm)
0.911"-1.220" (23.1-31.0)	40 ft-lbs (55 Nm)
1.221"-1.810" (31.0-46)	40 ft-lbs (55 Nm)
1.811"-2.360" (46-59.9)	40 ft-lbs (55 Nm)

**Step #5**

Re-check the bolts after torquing to ensure that they are properly tightened. Attach the ALS to the mating string hardware component.

Completed application of Aluminum Suspension Clamp shown below.

**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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