



# APPLICATION PROCEDURE & SAFETY CONSIDERATIONS

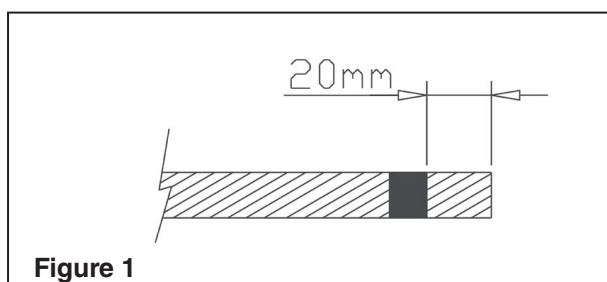
PLP-AP-033

## APPLICATION PROCEDURE FOR AAC AND AAAC DEADENDS

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.

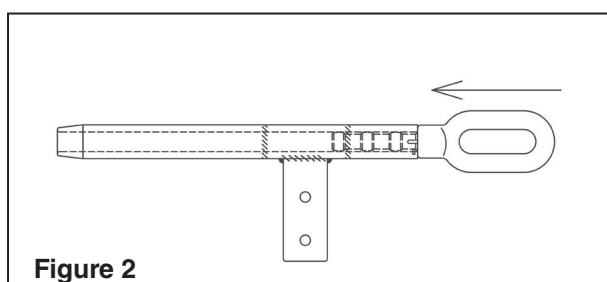
**In the procedure below, all binding shall be aluminium wire or fibreglass reinforced adhesive tape.**

- 1) Check the jointing compressor for correct operation.
- 2)
  - (a) Ensure the correct dies have been selected
  - (b) Check that the dies are in good condition.
  - (c) Ensure that the dies are correctly inserted in the compressor head i.e., numbers matching and on the same side.
  - (d) Check that the dies come together squarely on the compression stroke.
- 3) Check the compression sleeve and deadend for size and ensure they are clean.
- 4) Determine where the conductor is to be cut, discarding any damaged or loosely wound conductor.
- 5) Bind the conductor approximately 20 mm from where it is to be cut. **(See figure 1)**



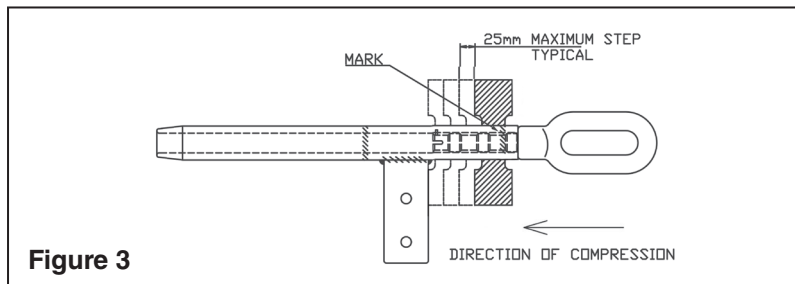
**Figure 1**

- 6) Cut the conductor, using hacksaw or approved cutter. Straight jaw cutters are not recommended as they deform the strands of the conductor.
- 7) The aluminium strands of the conductor to be compressed must be thoroughly cleaned. Any grease is to be removed by using a suitable solvent. Oxidised or blackened strands are to be cleaned with fine emery cloth, and this is to be carried out by unraveling the outer strand layer. Care must be taken to avoid bending or deforming the strands during the cleaning process.
- 8) Carefully rewind aluminium strands to original position and apply suitable jointing compound if required.
- 9) Slide the aluminium body over the steel until it touches the shoulder of the steel eye. At this point also position the eye orientation correct with the direction of the jumpers. **(See figure 2)**

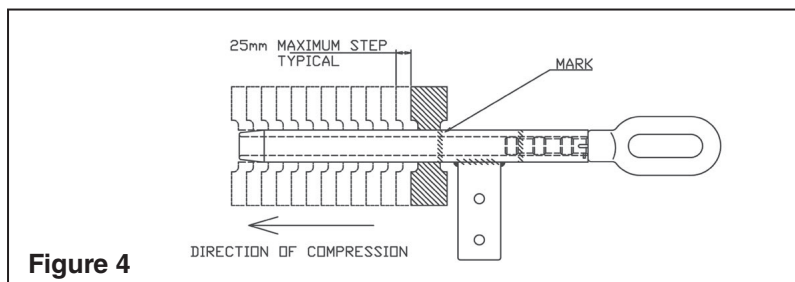


**Figure 2**

- 10) Insert the aluminium deadend body between compressor dies, and starting at the steel eye, compress the aluminium body.
- 11) Working towards the knurl mark, compress the aluminium body in 25 mm steps. (See figure 3)



- 12) Remove the deadend from the compressor and insert the aluminium deadend sleeve onto the conductor ensuring that the tapered end of the sleeve captures all the strands, remove the binding, slide the sleeve along the conductor until it has fully engaged the length of the deadend (the distance from the tube mouth to the knurl – and beyond until it stops).
- 13) Starting at the knurled mark near the palm, compress the aluminium sleeve.
- 14) Working away from the steel eye, compress the rest of the aluminium sleeve in 25 mm steps. (See figure 4)



- 15) Remove the completed deadend from the compressor.
- 16) Before making the bolted connection between the jumper terminal and the deadend fitting, thoroughly clean, wire brush and apply a suitable jointing compound (Aluminex or equivalent) to the contact faces of both fittings.

## SAFETY CONSIDERATIONS

- 1) 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 and restrictions may result in personal injury.
- 2) This product is intended for the specified application.  
**CAUTION:** Do not modify this product under any circumstances.
- 3) This product is intended for use by trained linesmen only. This product should not be used by any one who is not familiar with and trained in the use of it.
- 4) When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.
- 5) For proper performance and personal safety be sure to select the proper size PREFORMED products before application.
- 6) PREFORMED products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.



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