

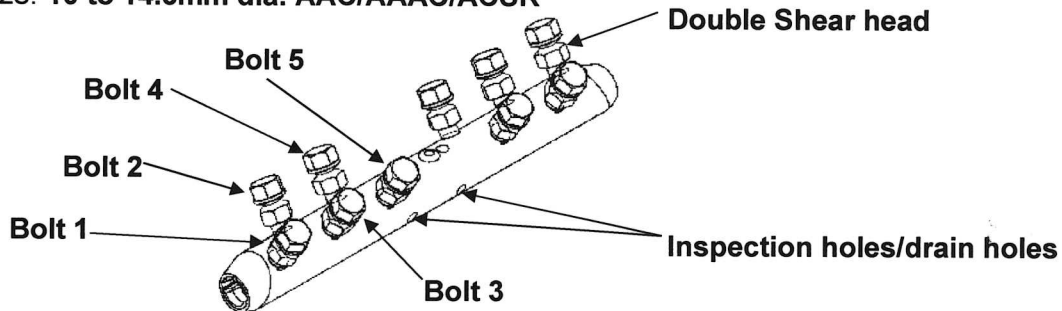


## **INSTALLATION INSTRUCTIONS FOR THE MECHANICAL TENSION REPAIRING SPLICE MTRS10-14**

**PLEASE NOTE:** When using an impact driver the vibrations may cause any unused bolt to come loose and fall out. It is recommended that after insertion of the cable, all bolts are tightened using a hand held socket wrench in the sequence given below to hold the cable in place. An impact wrench may then be used. Place your free hand over the unused bolts on the other side of the connector while using the impact wrench to prevent them from coming loose.

**Step 1.** Select the correct splice to suit the conductor size; sizes are clearly marked on the splice.

Cable size: 10 to 14.3mm dia. AAC/AAAC/ACSR



**Step 2.** Cut the conductor square so all strands are even and free of burrs. Ensure when cutting the cable that no damaged sections of cable remain.

**Step 3.** If required, straighten the conductor to remove any curvature.

**Step 4.** Measure the conductor 160mm and mark the insertion distance. Insert the conductor until it reaches the centre barrier (do not twist), sight the conductor through the inspection hole and ensure the mark on the conductor is flush with the end. Ensure that all conductor strands are inserted into the splice.

**Step 5.** Using a 19mm socket and an impact wrench, tighten the 5 upper shear heads on the bolts. Tighten bolt 1 until the upper shear head operates, then tighten bolt 2 until the upper shear head operates and so on.



**Step 6.** Once step 5 is completed, tighten the second shear heads until they shear flush with the body of the splice following the sequence above. Tighten bolt 6 until the second shear head operates, then tighten bolt 7 until the second shear operates and so on.

**Step 7.** Repeat the steps 2 to 6 for the other side of the splice.

### **Important!**

- Do not remove any bolts!
- Ensure the bolts are tightened in the correct sequence; always start with the outside bolt.
- Do not shear both heads from a bolt at the same time; the correct sequence needs to be followed.

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