

ASSEMBLY INSTRUCTIONS		AI 070
SLOT WEDGE STRAIN CLAMP FOR ALL TYPES OF CONDUCTORS		

1. Make sure during the whole installation that there is no dirt or sand on the greased parts of the wedges and body. If you need to clean these parts, make sure to reapply enough grease, so that they are the same as delivered. Also make sure that the greased screws stay clean from dirt or sand.

2. Intercept the conductor before the clamping point.

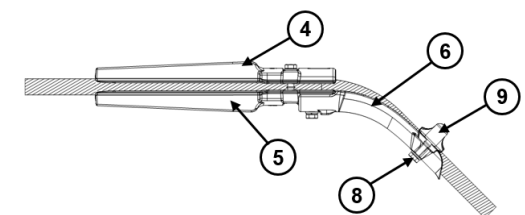
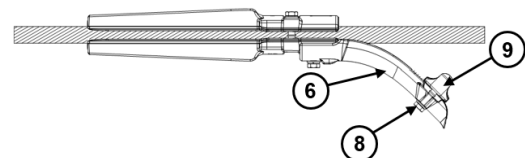
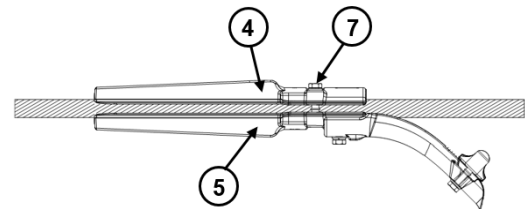
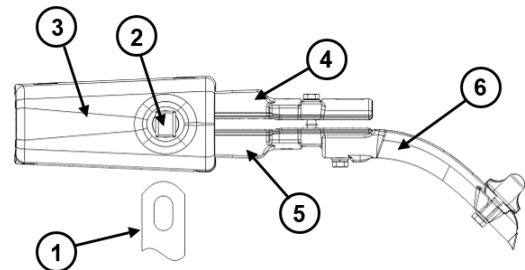
3. Clean the conductor at the clamping point

4. Remove the straps (1) from the terminal trunnions (2), and the clamp body (3) from the wedges (4 & 5). Do not remove the jumper guide (6) from the lower wedge (5).

5. Loosen the two screws (7) of the wedges (4 & 5) and place the wedges (4 & 5) onto the conductor at the intended clamping point. The two fixing screws (7) are to be tightened in an alternating manner in six or more steps, until the tightening torque mentioned on the drawing or/and marked on the clamp is met.

6. Loosen the screw(s) (8) at the handle (6) and remove the pressure piece (9).

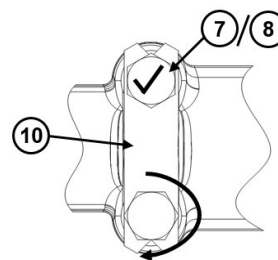
7. Bend down the conductor behind the wedges (4 & 5) and push it into the jumper guide (6). Be sure to only press down the conductor locally and not to use a big lever (e.g. do not grip at the wedges). Reapply the pressure piece (9) and tighten the screw(s) (8) until the tightening torque mentioned on the drawing or/and marked on the clamp is met. If there are two screws, tighten them in an alternating manner in six or more steps.



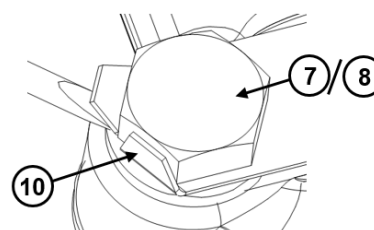
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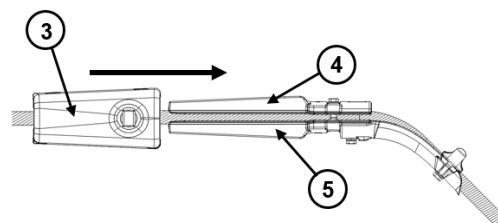
8. Turn the screws (7 & 8) in a tightening manner, so that they align with the safety plates (10), as the upper screw indicates.



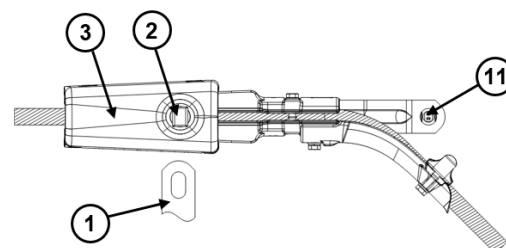
9. Bend up the flaps of the safety plates with a screw driver (or similar) so that there is a clear fold in the safety plate at the base of the hex-head screw and that the flaps are placed against the surface of the hex-head of the screws. Make sure that all screws are correctly locked.



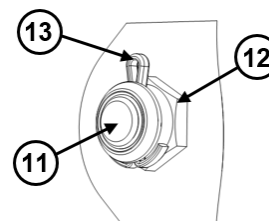
10. Open up the clamp body (3) and put it over the conductor in front of the wedges (4 & 5). Reclose the clamp body (3) and push it over the wedges (4 & 5). The clamping channels are pre greased, however an additional greasing is acceptable.



11. Apply the straps (1) onto the terminal trunnions (2) of the clamp body (3). Fix the straps (1) to the connecting fitting using the bolt (11).



12. Secure the bolt (11) with the grooved nut (12) and push the split pin (13) through the hole of the bolt and nut. Fold the legs of the split pin into the groove of the nut. Please refer to the assembly instruction AI024 for bolts with grooved nut and split pin.



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