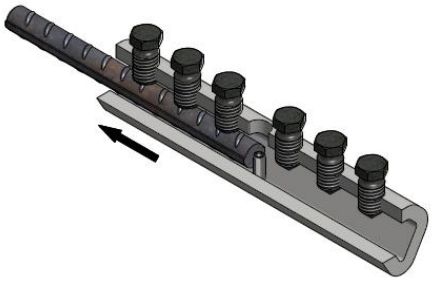
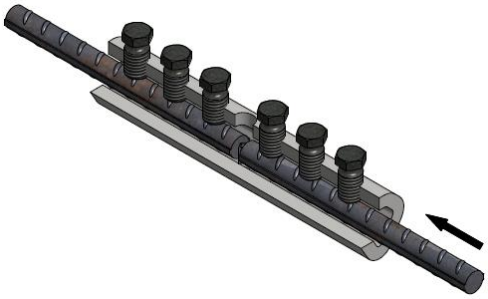
MOUNTING INSTRUCTIONS FOR ALC COUPLER

- Mount the ALLIGATOR COUPLING to the reinforcement steel from one side.

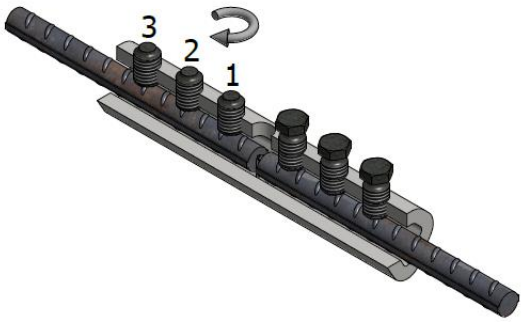


-Place the ALC coupler over the end of first rebar and tighten the breaking bolt by hand.
- It is important to check the contact between the first rebar and the pin.

- Mount the second reinforcement bar in the ALLIGATOR COUPLER and tighten the breaking bolts until it shears off.

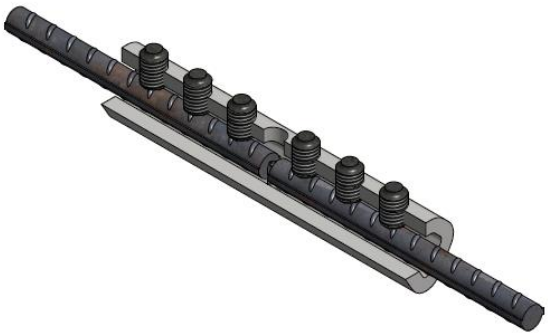


-Insert the second rebar into the coupler.
-Please check the contact between the second rebar and the pin.
-Do not add grease to the bolt connection.
-Mount the bolts as straight as possible.
-Tighten the breaking bolt by hand.



Fully tighten the breaking bolts using a pneumatic wrench. The bolts must be tightened from the center to outside (1 to 3) until the heads of all the breaking bolts shear off.

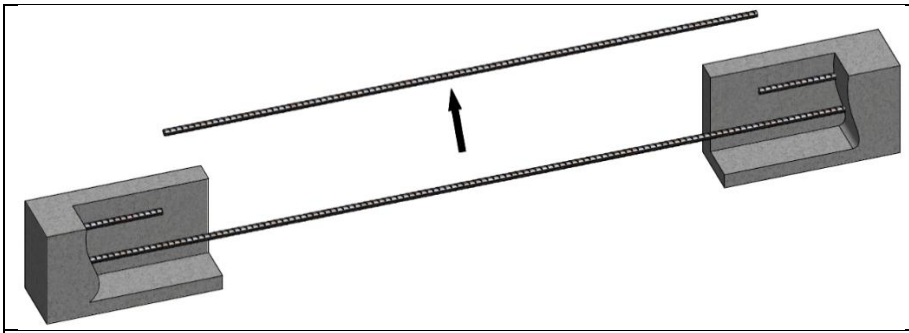
- The ALLIGATOR COUPLER in its mounted state.



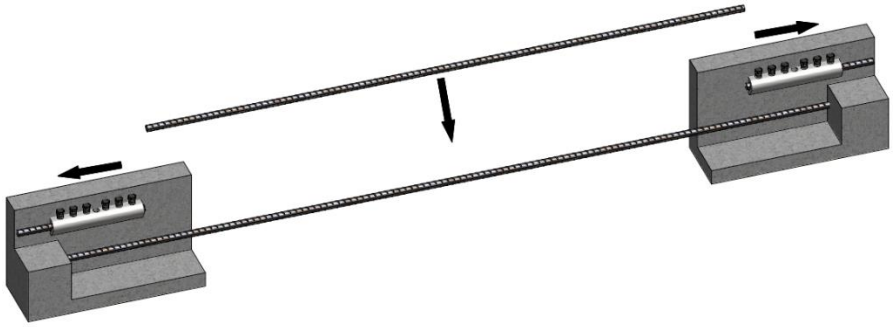
Note: Can be accepted unruptured breaking bolt as long as the high "H" from the table at page 6 is respected.

Note: *When the space in the element is not enough to use a pneumatic wrench or an electric one it can be used a torque hand wrench to shear the bolt or to achieve the torque momentum acc. to table at page 6.*
The wrench momentum has to be minimum 2x the bolt torque.

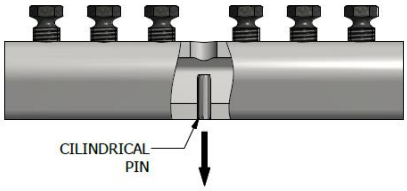
MOUNTING INSTRUCTIONS FOR AN ALC ALLIGATOR COUPLER – REPAIR OF AN EXISTING STRUCTURE.

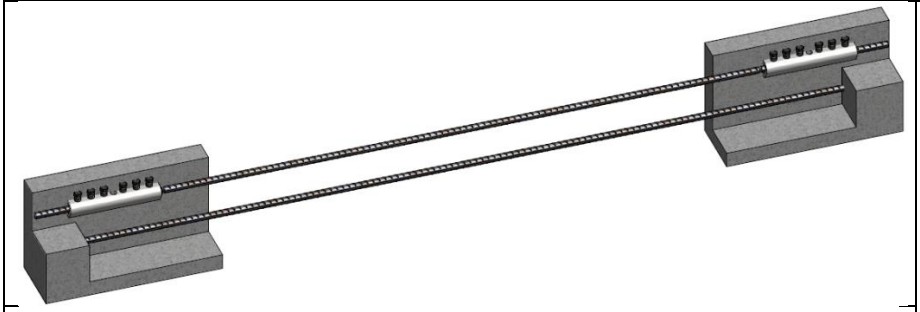


To repair an existing structure by replacing a corroded or damaged bar, the replacement bar must be cut approximately 5mm shorter to ensure clearance for insertion between the ends of the original bars.

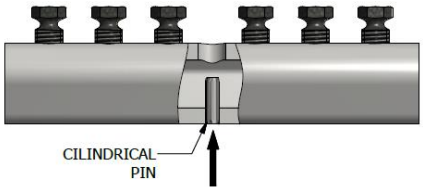


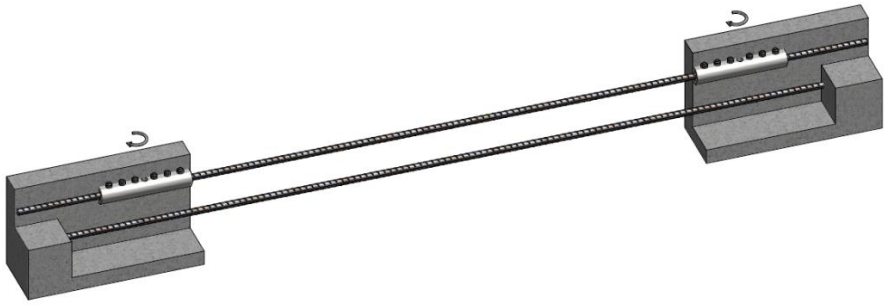
ALC couplers are pushed fully over both ends of the existing bars and temporarily tighten into position. Before remove the pin from the ALC.





The replacement bar is then positioned and the ALC couplers moved on the replacement bar, half the length of the coupler. Mount back the pin into the ALC.





Then the breaking bolts are tightened to shear off.