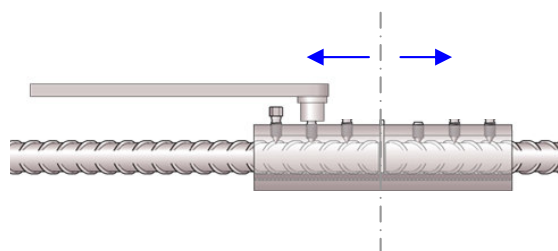
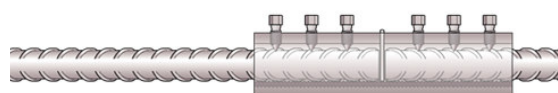
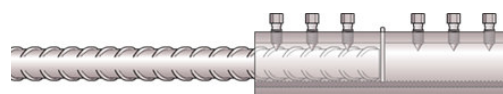


Installation Guide MBT Coupler

Ancon MBT Couplers must be correctly installed to ensure that the full working capacity can be achieved. The coupler should be complete with the correct number of bolts and the two serrated strip saddles in place inside the coupler. For correct installation, all the bolts must be tightened until the heads shear off.

1. Place coupler over the end of the bar to half the coupler length +/- 6mm and finger tighten the lock shear bolts onto the bar. Check the alignment and make any necessary adjustments.
2. Place other bar end into the coupler until it pushes up against the first bar and finger tighten the remaining lockshear bolts. Check the alignment and make any adjustments.
3. The lock shear bolts should be tightened using either a ratchet wrench, electric or pneumatic power tool. Do not use impact power tools.
4. On one half of the coupler, starting from the centre of the coupler and working outwards, towards the end of the coupler, partly tighten all of the lock shear bolts using the appropriate tool.
5. Repeat step 4 again, starting from the centre of the coupler and working towards the end of the coupler, fully tighten all of the lock shear bolts, using the appropriate tool, until the bolt heads shear off.
6. Steps 4 and 5 to be completed for the other half of the coupler.



Ref.	No./Bolt Thread	Socket Head	Nominal Bolt Shear Torque		Handle Length* (mm)
			(Nm)	(lbf ft)	
MBT12C	6/M10	1/2"	55	40	300
MBT16C	6/M12	1/2"	108	80	600
MBT20C	8/M12	1/2"	108	80	600
MBT24C	8/M16	5/8"	275	203	1100**
MBT28C	10/M16	5/8"	275	203	1100**
MBT32C	10/M16	5/8"	360	265	1500**
MBT36C	12/M20	3/4"	525	386	1800**
MBT40C	14/M20	3/4"	525	386	1800**

* The minimum length of handle to limit the force required to shear the bolts to 250N. This is approximately equivalent to lifting 25kg or 56lbs.

** Although these can be tightened using a hand ratchet wrench, Leviat recommends the use of an electric or pneumatic wrench designed to deliver a steady tightening force to the bolts. Appropriate tools can be purchased or hired from Leviat. **Do not use impact power tools.**

The use of scaffold poles is not recommended as an extension to hand wrenches; this can result in increased stresses, leading to thread strip failure during installation.

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The Construction applications and details provided in this guide are indicative only. In every case installation should be entrusted to appropriately qualified and experienced persons. Normal handling precautions should be taken to avoid physical injury. Leviat cannot be held responsible for any injury as a result of using our products, unless such injury arises as a result of our negligence.