

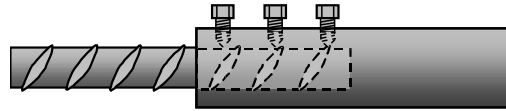
INSTALLATION GUIDE

ANCON MBT COUPLER

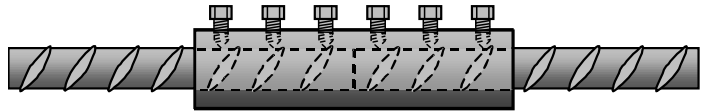


Ancon MBT Couplers must be correctly installed to ensure that the full working capacity can be achieved. The coupler should be complete with the correct number of bolts and the two serrated strip saddles in place inside the coupler. For correct installation, all the bolts must be tightened until the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

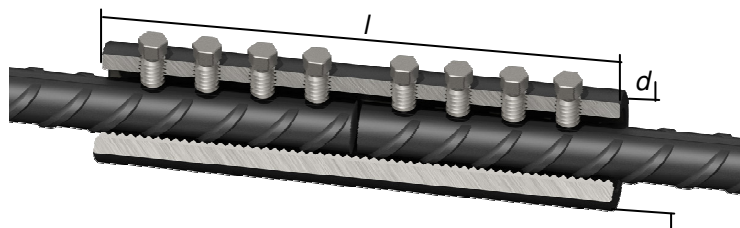
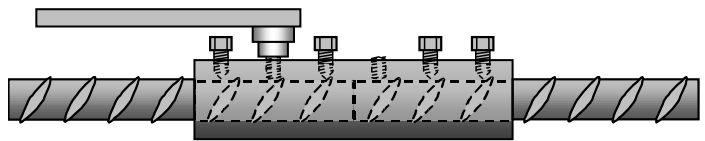
Place the coupler over the end of the bar to half the coupler length +/- 6mm and finger tighten the lockshear bolts onto the bar. Check the alignment and make any necessary adjustments.



Place the other bar end into the coupler until it pushes up against the first bar and finger tighten the remaining lockshear bolts. Check alignment and make any adjustments.



Fully tighten the lockshear bolts using either a ratchet wrench or a nut runner as appropriate. Do not use impact tools. Tighten all bolts in a random alternating pattern until all the heads of all the bolts shear off.



MBT ET Series Dimensions

Bar Diameter		10	12	16	20	25	28	32	40
External Diameter	d	33.4	33.4	42.2	48.3	54.0	66.7	71.0	81.0
Total Length	l	100	140	160	204	258	312	312	484
Socket Size A/F (ins)		1/2	1/2	1/2	1/2	5/8	5/8	5/8	3/4
No. of Bolts		4/M10	6/M10	6/M12	8/M12	8/M16	10/M16	10/M16	14/M20
Nominal Bolt Shear Torque (Nm)		55	55	108	108	200	275	360	525
Nominal Bolt Shear Torque (lbf ft)		40	40	80	80	150	203	265	386
Handle Length* (mm)		300	300	600	600	900	1100	1500**	1800**
Part No		ET10	ET12	ET16	ET20	ET25	ET28	ET32	ET40

Note: MBT ET50 couplers can be manufactured. For details contact Ancon Building Products.

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.

*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 ratchet wrench, Ancon recommends the use of an electric or pneumatic wrench designed to deliver a steady tightening force to the bolts. **Do not use impact power tools.

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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. Ancon Building Products cannot be held responsible for any injury as a result of using our products, unless such injury arises as a result of our negligence.

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