

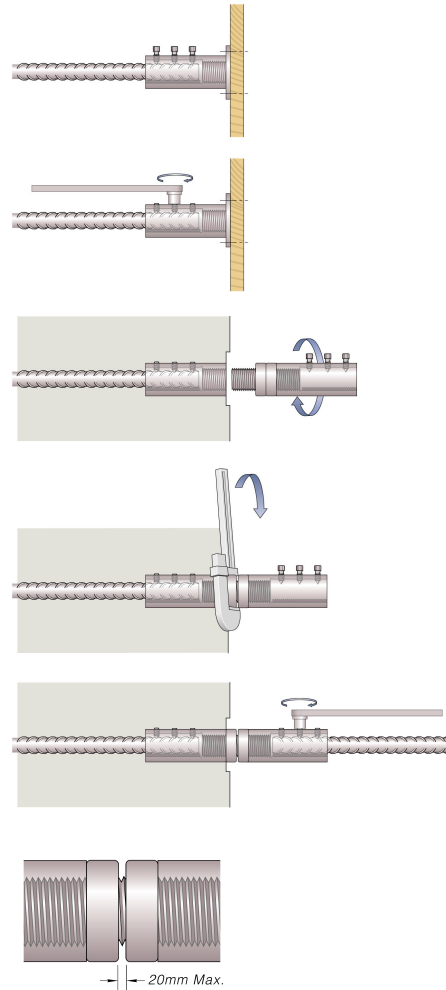
# Ancon MBT Continuity Coupler Installation Guide

## Sizes 12mm to 16mm

**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.**

The Continuity Coupler male component will be delivered with the threaded stud already in place and the locknuts located on the threaded stud. If the female component is to be left insitu for an extended period, the threads must be greased to prevent corrosion.

- 1 Fix the nail plate to the formwork and fully screw the female component onto the plate. Insert the bar into the coupler, ensuring that it does not encroach into the threaded section. Finger tighten the lockshear bolts.
- 2 Fully tighten the lockshear bolts in a random, alternating pattern using a ratchet wrench, electric or pneumatic power tool, until the heads shear off. Cast the concrete.
- 3 Remove the formwork and unscrew the nail plate. The male component complete with two locknuts, can now be fully screwed into the fixed female component. The male coupler can be rotated up to a full turn to allow the lockshear bolts to be located in an accessible position for tightening.
- 4 Run the locknut along the threaded male stud to abut the female component. Fully tighten the locknut against the female section using a wrench.
- 5 The continuation bar is placed into the male coupler and the bolts finger tightened. Fully tighten the lockshear bolts in a random alternating pattern, using a ratchet wrench, electric or pneumatic power tool until the heads shear off.
- 6 Do not use impact power tools to tighten the bolts.



**Note:** When the coupler is fully assembled the visible threaded stud between the two locknuts must not exceed 20mm.

Ref.	No./Bolt Thread	Socket Head	Nominal Bolt Shear Torque		Handle Length* (mm)
			(Nm)	(lbf ft)	
ET12	6/M10	1/2"	55	40	300
ET16	6/M12	1/2"	108	80	600

The use of scaffold poles is not recommended as extension to hand wrenches; this can result in increased stresses, leading to thread strip 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 56 lbs.

These couplers can be tightened using a ratchet wrench, electric or pneumatic wrench designed to deliver a steady tightening force to the bolts. **Do not use impact power tools.**

For further details please contact Ancon Building Products Reinforcing Bar Couplers  
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<b>Batch No.</b>	<b>MBT Continuity Coupler Installation Guide (Sizes 12mm &amp; 16mm)</b>				
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	<b>Date:</b>	<b>09/08/02</b>	<b>Rev:</b>		<b>20/08/04</b>