

Rebar Connection System

ANCON REINFORCING BAR COUPLERS

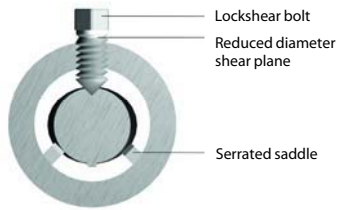
Ancon Couplers can simplify the design and construction of reinforced concrete and reduce the amount of reinforcement required.

Ancon MBT ET Series

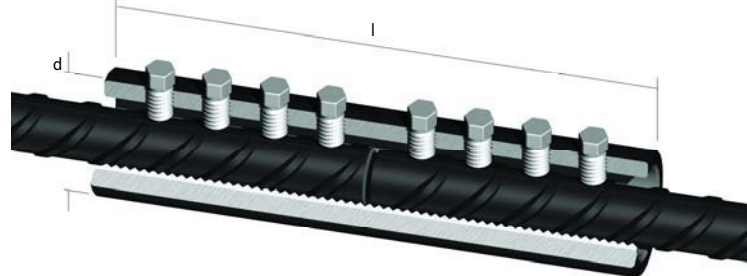
These couplers provide a cost-effective method of joining bars of the same diameter.

The connection is made by tightening a series of lockshear bolts. When the pre-determined tightening torque for the bolts is reached, the heads shear off providing an instant visual check of correct installation.

Section showing the embedment of the lockshear bolts and saddles into the bar and the shell of the coupler.



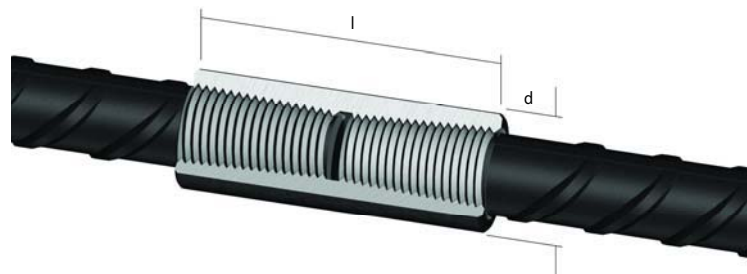
Ancon MBT ET Series Dimensions



Bar Diameter	10	12	14	16	20	25	28	32	34	40
External Diameter d	33.4	33.4	42.2	42.2	48.3	54.0	66.7	71.0	75.0	81.0
Total Length l	100	140	160	160	204	258	312	312	356	484
Socket Size A/F (ins)	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	3/4	3/4
No. of Bolts	4	6	6	6	8	8	10	10	10	14
Approx Weight (kg)	0.52	0.72	1.25	1.25	1.96	3.00	5.80	6.50	8.72	11.30
Part No	ET10	ET12	ET14	ET16	ET20	ET25	ET28	ET32	ET34	ET40

Note: MBT ET50 couplers can be manufactured. For details contact Ancon or Long Construction Services.

Ancon Tapered Thread Standard Coupler Dimensions



Bar Diameter	12	14	16	20	25	28	32	40	50
External Diameter d	22	22	25	30	36	42	46	60	70
Coupler Length l	58	64	70	74	90	100	112	138	170
Weight (kg)	0.13	0.12	0.17	0.24	0.41	0.66	0.85	1.90	2.22
Torque (Nm)	60	85	110	165	265	275	285	330	350
Part No.	TTS12	TTS14	TTS16	TTS20	TTS25	TTS28	TTS32	TTS40	TTS50

ANCON TAPERED THREAD

These couplers are suitable for connecting bars of the same diameter where one bar can be rotated. They are supplied fitted to the end of threaded bar, requiring only the engagement and tightening of the adjoining bar on site.

Installation of Tapered Thread Standard Series



The coupler is normally supplied fixed to the reinforcing bar, ready to be installed and cast in concrete.



After casting the concrete and when ready to extend, remove the plastic end cap from the coupler. Position the continuation bar in the sleeve and rotate the bar into the coupler.



Continue to screw the bar into the coupler until tight.



To ensure correct installation, tighten the joint to the specified torque using a calibrated torque wrench on the continuation bar. Tightening torques are shown in the table above.