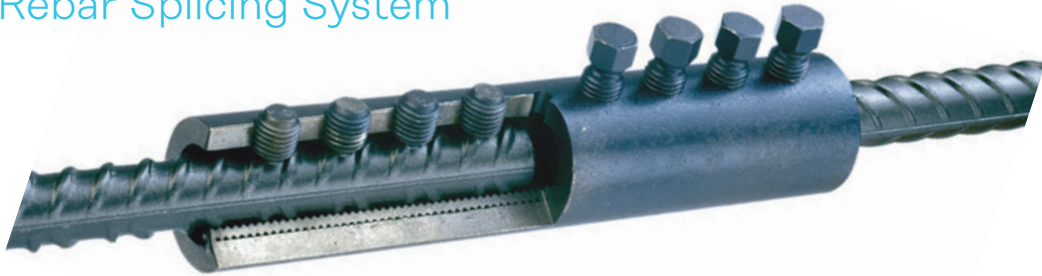


MB MBT Coupler

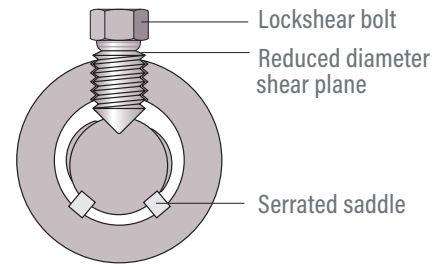
Type 2 Rebar Splicing System



MB MBT coupler provide an easy to install, cost-effective method of joining reinforcing bars, particularly when the fixed bar is already in place and space is limited. Shear bolts are tightened such that the conical ends embed themselves into the rebar and secure it against the serrated saddles. When the pre-determined tightening torque for the bolts is reached the heads shear off, providing an instant visual check of correct installation.

Features

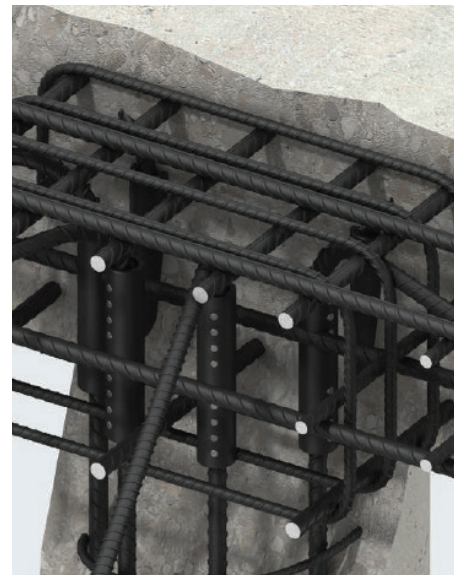
- Performance meets ACI 318-19 Type 2 splice requirements and maintains reinforcing steel continuity independent of concrete cover.
- Neither bar end preparation to form threads, nor bar rotation are required.
- Suitable for static and fatigue loading.
- For use with A-615/A-706 Grade 60 rebar.



MBT Splicing Couplers Data

Bar Size	Coupler External Diameter (in)	Coupler Length	Type 2 90 KSI Tensile Strength (lbs)*	Part Number
#4	1.32	5.50	18,000	MBT0401T2
#5	1.66	6.30	27,900	MBT0501T2
#6	1.90	8.00	39,600	MBT0601T2
#7	1.90	9.80	54,000	MBT0701T2
#8	2.24	12.30	71,100	MBT0801T2
#9	2.90	12.30	90,000	MBT0901T2
#10	2.90	12.30	114,300	MBT1001T2
#11	3.12	16.50	140,400	MBT1101T2

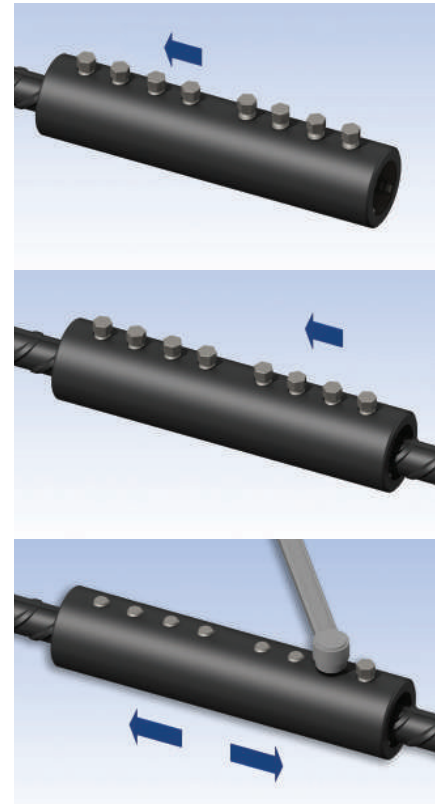
*ASTM A615 and A706 compliant



MBT Couplers Installation

Leviat 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 until center stop is reached. 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 center stop is reached and finger tighten the remaining lock shear bolts. Check the alignment and make any adjustments.
3. The lock shear bolts should be tightened using a 1" drive pneumatic impact wrench. The air supply hose and fittings should have a minimum inside diameter of 3/4", and provide 100psig operating pressure and 185 cfm of delivered air. For torque retirements under 80 ft-lbs, a smaller impact wrench may be used.
4. On one half of the coupler, starting from the center and working towards the end of the coupler, partly tighten all of the lock shear bolts using the appropriate tool.
5. Following the same sequence as in step 4, fully tighten all the lock shear bolts until the bolt heads shear off.
6. Steps 4 and 5 to be completed for the other half of the coupler.



Bar Size	No. of Bolts	Bolt Thread	Socket Head	Nominal Bolt Shear Torque (ft-lbs)
#4	6	M10	1/2"	40
#5	6	M12	1/2"	80
#6	8	M12	1/2"	80
#7	10	M12	1/2"	80
#8	10	M16	5/8"	200
#9	10	M16	5/8"	200
#10	10	M16	5/8"	265
#11	12	M20	3/4"	385

In every case installation should be entrusted to appropriately qualified and experienced persons. Normal handling precautions should be taken to avoid physical injury.