

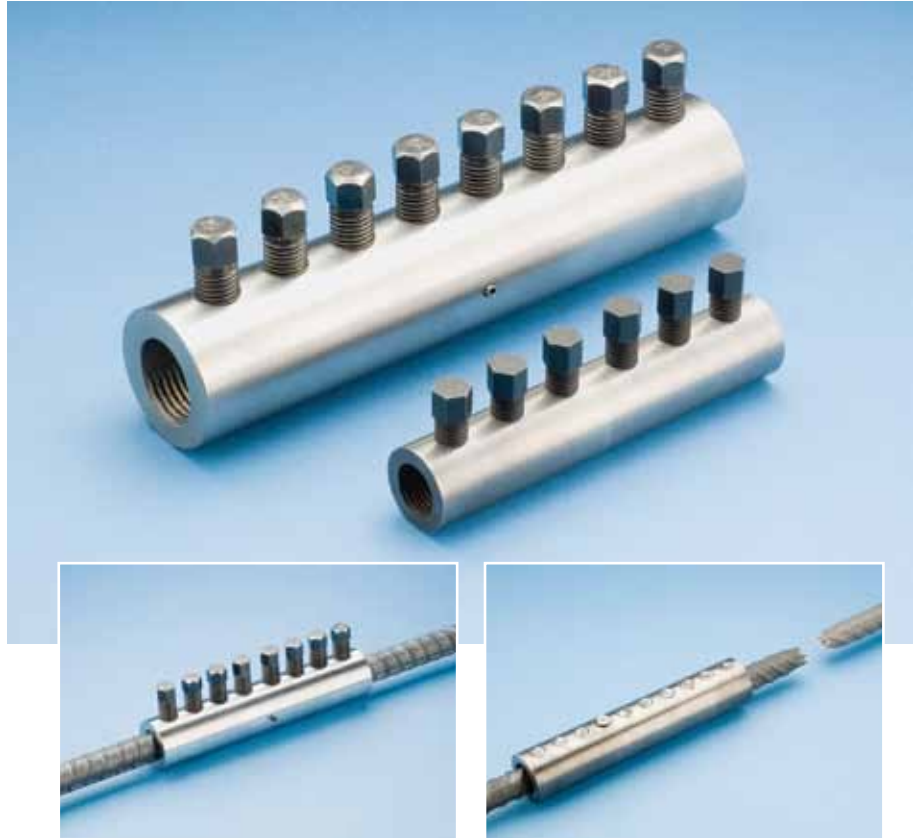
LENTON® LOCK B-Series

Mechanical Rebar Splicing System

Features

- Meets or exceeds major international building codes and Department of Transportation requirements
- Uses standard rebar; requires no bar-end preparation
- Is smaller than other bolted splices currently available
- Works in repair, bent bar, retrofit, precast closure pour and new construction applications
- Provides superior fatigue performance
- Works with a variety of international rebar grades
- Installs quickly and easily using simple hand tools — does not require special skilled labor
- Allows for simple visual inspection
- Works as a one-step transition/reducer

Patent no.
7,107,735 / 7,093,402.
Additional patents in
other countries.

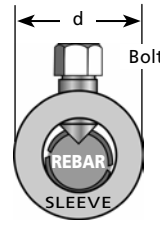


LENTON® LOCK, an in-situ rebar splice from ERICO, requires no bar-end preparation. It is ideal for new construction, repair or retrofit applications. The LENTON LOCK coupler features patented gripping technology that helps provide for the development of full rebar strength and improved overall structural integrity in tension, compression, stress-reversal and dynamic applications. This innovative mechanical rebar splice is designed for use in column splicing, bridge applications, piling, splicing to protruding dowels cast in concrete, closure pours, beams, chimney construction and other demanding splicing applications.

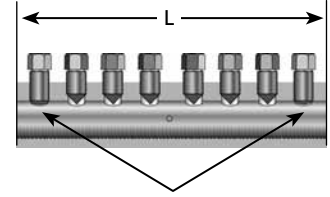
LENTON LOCK B-Series couplers meet or exceed major international building codes and Department of Transportation requirements, including IBC® and ACI® 318 Type 2, AS3600, DIN 1045, BS8110, BS5400, Sellafeld Ltd., NZ 3101, CalTrans Service and CalTrans Ultimate Splice requirement.

LENTON LOCK couplers allow for easy and simple field installation since no bar-end preparation, sawing or swaging is necessary. The couplers can be installed with just a standard wrench or an impact wrench depending on coupler size. The bolt heads will shear off when proper installation tightness has been reached, which allows for completely visual inspection.

LENTON LOCK is available in epoxy and mechanical galvanized coatings and works as a one-step transition on ASTM® (in-lb.), Canadian and metric rebar.



Side view of coupler



One outer bolt round on 12 mm (#4) through 36 mm (#11)

Two outer bolts round on 43 mm (#14) and 57 mm (#18)

Simple 1-2-3 Installation:

- 1) Insert the LENTON® LOCK coupler over reinforcing bar 1.
- 2) Tighten bolts from the center to the end to secure onto the first reinforcing bar.
- 3) Repeat steps 1 & 2 with the second reinforcing bar on the other side of the coupler.

Product Specifications

Rebar Designation				Coupler Part Number	Length (L)		Outside Diameter (d)		Inside Diameter		Weight		Socket Size		Average Torque All Bolts		Number of Bolts
Inch-Lb*	Metric*	Canada	Soft Metric		in	mm	in (a)	mm (b)	in	mm	lb (a)	kg (b)	in	mm	ft-lb	N-m	
—	10	—	10	LL12B1	5.0	127	1.25	29	0.6	15	1.5	0.6	1/2	13	150	205	6
#4	12	10 M	13	LL12B1	5.0	127	1.25	29	0.6	15	1.5	0.6	1/2	13	150	205	6
—	14	—	—	LL16B1	6.3	159	1.38	35	0.8	19	2.0	0.9	1/2	13	150	205	6
#5	16	15 M	16	LL16B1	6.3	159	1.38	35	0.8	19	2.0	0.9	1/2	13	150	205	6
—	18	—	—	LL20B1	7.5	191	1.75	44	0.9	24	3.8	1.7	1/2	13	150	205	8
#6	20	20 M	19	LL20B1	7.5	191	1.75	44	0.9	24	3.8	1.7	1/2	13	150	205	8
#7	22	—	22	LL22B1	8.7	222	1.88	48	1.1	28	4.9	2.3	5/8	16	250	340	8
#8	25	25 M	25	LL25B1	10.0	254	2.13	54	1.2	30	7.4	3.4	5/8	16	350	475	8
#9	28	30 M	29	LL28B1	11.3	287	2.38	60	1.3	34	10.2	4.6	5/8	16	350	475	10
—	30	—	—	LL28B1	11.3	287	2.38	60	1.3	34	10.2	4.6	5/8	16	350	475	10
#10	32	—	32	LL32B1	12.7	323	2.50	65	1.5	38	12.2	5.9	13/16	21	500	680	8
—	34	—	—	LL36B1	14.1	358	2.75	72	1.7	43	15.8	7.8	13/16	21	550	750	10
#11	36	35 M	36	LL36B1	14.1	358	2.75	72	1.7	43	15.8	7.8	13/16	21	550	750	10
—	38	—	—	LL40B1	15.7	400	3.25	80	1.9	47	26.1	10.9	13/16	21	580	790	12
—	40	—	—	LL40B1	15.7	400	3.25	80	1.9	47	26.1	10.9	13/16	21	580	790	12
#14	43	45 M	43	LL43B1**	20.6	523	3.50	89	2.1	53	37.4	17.0	1	25	960	1300	14
#18	57	55 M	57	LL57B1**	26.1	662	4.50	117	2.6	67	80.6	39.0	1	25	960	1300	18

(a) Product produced from standard imperial material diameters (inch).

(b) Product produced from standard metric material (mm).

** Two round bolts per end

NOTES

- * Works as one-step transition. Contact ERICO for additional transition compatibility.
- Dimensions shown in chart are typical. Bolt length may vary after the bolt heads are sheared off.
- When using air impact wrench check the air pressure, torque rating and air flow requirements before starting installation.
- It is recommended to use an impact wrench rated 2x the bolt torque. Contact ERICO for additional tool recommendations.
- Bolt heads are not required to be removed if the appropriate bolt torque is achieved.
- Refer to installation instructions for information on Caltrans Ultimate Splice requirements.
- Refer to complete installation instructions provided with the product or available at www.erico.com before commencing installation.

WARNING

ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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IBC is a registered trademark of the International Code Council.

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