

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
- Installs quickly and easily using simple hand tools; does not require special skilled labor
- Allows for simple visual inspection
- Epoxy and mechanical galvanized coatings available
- Works as one-step transition on ASTM (in-lb) and metric rebar



The LENTON® LOCK S-Series, part of the LENTON LOCK Mechanical Rebar Splicing System from ERICO, provides many of the same great benefits as the B-Series, except in a smaller package. All LENTON LOCK couplers feature patented gripping technology that provides overall structural integrity in tension, compression and stress-reversal applications.

With a performance that exceeds Type 1 requirements on ASTM® A706 and ASTM® A615 grade 60 rebar, 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.

The couplers allow for easy field installation since no bar-end preparation, sawing or swaging is necessary, and they 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 complete 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.

NOTICE!

LENTON® LOCK S-Series now meets Type 2 performance on ASTM® A706 grade 60 rebar.

The LENTON LOCK S-Series is now released for use on ACI® / IBC® Type 2 applications using ASTM A706 grade 60 rebar and for applications requiring AASHTO performance (135% f_y) for both ASTM A615 and ASTM A706 grade 60 rebar.

Patent nos.
7,107,735 / 7,093,402.
Additional patents in
other countries



Simple 1-2-3 Installation:
1) Insert the LENTON® LOCK coupler over the reinforcing bar 1.



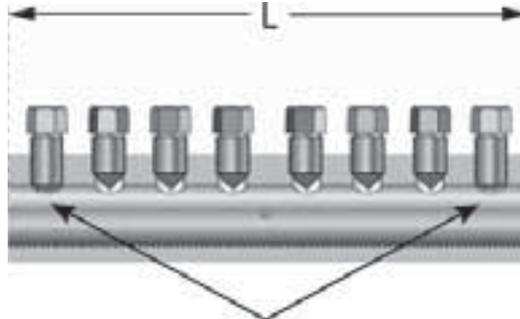
2) Tighten bolts from the center to the end to secure onto the first reinforcing bar.



3) Repeat steps 1 & 2 with the second reinforcing bar on the other side of the coupler.



Side View of Coupler



Outer bolts round on 43 mm (#14) and 57 mm (#18)
Outer bolts pointed on 10 mm (#4) through 36 mm (#11)

Rebar Designation				Coupler Part Number	Length (L)		Outside Diameter (d)		Inside Diameter		Weight		Socket Size		Average Bolt Torque		Number of Bolts
Inch-Lb*	Metric*	Canada	Soft Metric		in	mm	in	mm	in	mm	lb	kg	in	mm	ft-lb	N-m	
#4	10; 12	10M	13; 10	LL12S1	3.9	99	1.3	29	0.6	15	1.2	0.4	1/2	13	150	205	4
#5	14; 16	15M	16	LL16S1	4.3	109	1.4	35	0.8	19	1.4	0.6	1/2	13	150	205	4
#6	18; 20	20M	19	LL20S1	6.0	153	1.8	44	0.9	24	3.0	1.3	1/2	13	150	205	6
#7	22	-	22	LL22S1	6.8	173	1.9	48	1.1	28	3.8	1.8	5/8	16	250	340	6
#8	25	25M	25	LL25S1	6.8	173	2.1	54	1.2	30	5.1	2.3	5/8	16	350	475	6
#9	28; 30	30M	29	LL28S1	6.8	173	2.4	60	1.3	34	6.1	2.8	5/8	16	350	475	6
#10	32	-	32	LL32S1	8.7	220	2.5	65	1.5	38	8.4	4.0	13/16	21	550	750	6
#11	34; 36	35M	36	LL36S1	11.3	286	2.8	72	1.7	43	12.6	6.2	13/16	21	550	750	8
#14	43	45M	43	LL43S1	16.5	418	3.5	89	2.1	53	30.1	13.7	13/16	21	660	900	12
#18	57	55M	57	LL57S1	22.5	572	4.5	117	2.6	67	69.0	31.3	1	25	960	1,300	14

(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 complete installation instructions provided with the product or available at www.erico.com before commencing installation.

ACI is a registered trademark of the AMERICAN Concrete Institute.

ASTM is a registered trademark of American Society for Testing and Materials.

IBC is a registered trademark of the International Code Council.

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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