

**Features**

- Meets or exceeds major international building codes and Department of Transportation requirements, including ACI® 318 Type 1, UBC® Type 1 and IBC® Type 1
- For use with rebar meeting ASTM® A706 or ASTM A615 grades 40 and 60
- Uses standard rebar; requires no bar-end preparation, such as sawing or swaging, and is ideal for in-situ splices
- 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 coating 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 coating and works as a one-step transition on ASTM (in-lb) and metric rebar. For Canadian rebar sizes, contact ERICO for transition compatibility.

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



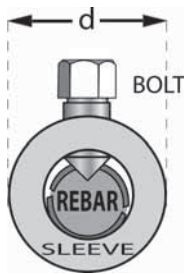
Simple 1-2-3 Installation:  
1) Insert the LENTON® LOCK coupler over the reinforcing bar 1.



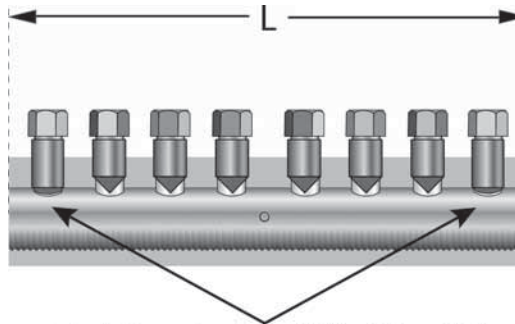
2) Tighten bolts from the center to the end to secure onto the first reinforcing bar.



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 |          |        |               | Part No. | Length |      | Outside Diameter |      | Inside Diameter |      | Weight |      | Socket Size |      | Average Bolt Torque |       | No. of Bolts | Standard Packaging Qty. |
|-------------------|----------|--------|---------------|----------|--------|------|------------------|------|-----------------|------|--------|------|-------------|------|---------------------|-------|--------------|-------------------------|
| (ASTM)            | (Metric) | (Can.) | (Soft Metric) |          | (in)   | (mm) | (in)             | (mm) | (in)            | (mm) | (lbs)  | (kg) | (in)        | (mm) | (ft-lb)             | (N-m) |              |                         |
| #4                | 10; 12   | 10M    | 13; 10        | LL12S1   | 3.9    | 99   | 1.3              | 29   | 0.6             | 15   | 1.3    | 0.5  | 1/2         | 13   | 145                 | 200   | 4            | 60                      |
| #5                | 14; 16   | 15M    | 16            | LL16S1   | 4.3    | 109  | 1.4              | 35   | 0.7             | 19   | 1.4    | 0.6  | 1/2         | 13   | 145                 | 200   | 4            | 30                      |
| #6                | 18; 20   | 20M    | 19            | LL20S1   | 6.0    | 153  | 1.6              | 41   | 0.9             | 24   | 2.0    | 1.1  | 1/2         | 13   | 145                 | 200   | 6            | 20                      |
| #7                | 22       | -      | 22            | LL22S1   | 6.8    | 173  | 1.8              | 48   | 1.1             | 28   | 3.3    | 1.8  | 5/8         | 16   | 240                 | 325   | 6            | 12                      |
| #8                | 25       | 25M    | 25            | LL25S1   | 6.8    | 173  | 2.0              | 54   | 1.2             | 30   | 4.3    | 2.3  | 5/8         | 16   | 340                 | 460   | 6            | 12                      |
| #9                | 28; 30   | 30M    | 29            | LL28S1   | 6.8    | 173  | 2.3              | 60   | 1.3             | 34   | 5.3    | 2.8  | 5/8         | 16   | 340                 | 460   | 6            | 6                       |
| #10               | 32       | -      | 32            | LL32S1   | 8.7    | 220  | 2.5              | 65   | 1.5             | 38   | 8.4    | 4.0  | 13/16       | 21   | 550                 | 745   | 6            | 4                       |
| #11               | 34; 36   | 35M    | 36            | LL36S1   | 11.2   | 286  | 2.8              | 72   | 1.7             | 43   | 12.6   | 6.2  | 13/16       | 21   | 550                 | 745   | 8            | 3                       |
| #14               | 43       | 45M    | 43            | LL43S1   | 16.5   | 418  | 3.5              | 89   | 2.1             | 53   | 29.8   | 13.6 | 13/16       | 21   | 660                 | 895   | 12           | 1                       |
| #18               | 57       | 55M    | 57            | LL57S1   | 22.5   | 572  | 4.5              | 117  | 2.6             | 67   | 69.9   | 33.8 | 1           | 25   | 960                 | 1,300 | 14           | 1                       |

**Note:** Dimensions are typical. Bolt length may vary after the bolt heads are sheared off.

When using an air impact wrench it is recommended to use a wrench with double the torque rating identified and to use impact rated sockets. Additionally, check the air pressure, hose diameter, fitting sizes and air flow requirements prior to installation.

Refer to complete installation instructions provided with the product or available at [www.erico.com](http://www.erico.com) prior to commencing installation.

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ASTM is a registered trademark of ASTM International.  
IBC is a registered trademark of the International Code Council.  
UBC is a registered trademark of the International Conference of Building Officials.

**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](http://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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