

# nVent LENTON Connect B12 Series Shear Bolt Coupler, Plain



## CERTIFICATIONS



## FEATURES

Requires no special bar end preparation such as sawing

Installs quickly and easily using simple, off-the-shelf hand tools

Bolt heads shear off when bolt torque is achieved, providing for simple visual inspection

Designed to work as a one-step transition/reducer

Rebar centering pin can be removed to allow the coupler to fully pass onto the reinforcing bar for applications such as closure pours

Complies to ACI 318 Type 1 and Type 2 performance on ASTM A706 and A615 grade 60 reinforcing bar

## SPECIFICATIONS

|                                    |                                                                    |
|------------------------------------|--------------------------------------------------------------------|
| <b>Complies With:</b>              | DIN EN 1992-1-1;Eurocode 2;ISO 15835 requirements with B500b rebar |
| <b>Finish:</b>                     | Plain                                                              |
| <b>Material:</b>                   | Steel                                                              |
| <b>100% U.S. Domestic Content:</b> | Yes                                                                |

Table 1/2

| Catalog Number | Rebar Size, Metric | Rebar Size, US | Rebar Size, Canada | Diameter (Ø) | Length 1 (L1) | Length 2 (L2) |
|----------------|--------------------|----------------|--------------------|--------------|---------------|---------------|
| LC16B12D       | 12 - 16 mm         | #4, #5         | 10M, 15M           | 41 mm        | 131 mm        | 63 mm         |
| LC20B12D       | 20 mm              | #6             | 20M                | 48 mm        | 172 mm        | 84 mm         |
| LC22B12D       | 22 mm              | #7             |                    | 51 mm        | 220 mm        | 108 mm        |
| LC25B12D       | 25 mm              | #8             | 25M                | 61 mm        | 272 mm        | 134 mm        |
| LC28B12D       | 28 mm              | #9             | 30M                | 71 mm        | 284 mm        | 140 mm        |
| LC32B12D       | 32 mm              | #10            |                    | 76 mm        | 348 mm        | 170 mm        |
| LC36B12D       | 36 mm              | #11            | 35M                | 80 mm        | 411 mm        | 202 mm        |

Table 2/2

| Catalog Number | Socket Width (SW) | Number of Bolts | Torque (TQ) | Unit Weight |
|----------------|-------------------|-----------------|-------------|-------------|
| LC16B12D       | 13mm              | 6               | 115 N·m     | 1.01 kg     |
| LC20B12D       | 13mm              | 8               | 115 N·m     | 1.67 kg     |
| LC22B12D       | 13mm              | 10              | 115 N·m     | 2.26 kg     |
| LC25B12D       | 16mm              | 10              | 261 N·m     | 4.29 kg     |
| LC28B12D       | 19mm              | 8               | 440 N·m     | 6.4 kg      |
| LC32B12D       | 19mm              | 10              | 440 N·m     | 8.47 kg     |
| LC36B12D       | 19mm              | 12              | 440 N·m     | 10.64 kg    |

**Designed to Meet:**

AASHTO;ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);BS EN 1992-1-1;BS EN 1992-2;CAN/CSA - N287.2/.3/.4;DIN EN 1992-1-1

ADDITIONAL PRODUCT DETAILS

Bolt length may vary after the bolt heads are sheared off. Bolt heads are not required to be removed as long as the appropriate bolt torque is achieved.

See instructions for installation equipment recommendations.

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

For splicing with rebar sizes and/or rebar grades not listed, please contact your nVent LENTON representative for more information.

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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