

nVent LENTON Connect B22 Series Shear Bolt Coupler, Plain



The nVent LENTON Connect B22 Series Shear Bolt Coupler is an in situ reinforcing steel bar splicing system that requires no bar end preparation. It is ideal for new construction, repair or retrofit applications. The coupler features two integral serrated rails that provide for the development of full reinforcing bar (rebar) strength and improved overall structural integrity in tension, compression, stress-reversal and dynamic applications. Connect is designed for use in column splicing, bridge applications, piling, splicing to protruding dowels cast in concrete, closure pours, beams and other demanding splicing applications.

nVent LENTON Connect Couplers allow for easy and simple field installation by eliminating the need for bar end preparation, sawing or swaging. 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 bolt torque has been reached, which allows for complete visual inspection.

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

Complies to ACI 318-19 Type 1 and Type 2 performance on ASTM A706 and A615 grade 80 reinforcing bar

SPECIFICATIONS

Finish:	Plain
Material:	Steel
100% U.S. Domestic Content:	Yes

Table 1/2

Catalog Number	Rebar Size, US	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)	Socket Width (SW)	Number of Bolts
LC16B22D	#4 – #5	1.63"	7.5"	3.65"	1/2"	8
LC20B22D	#6	1.9"	10.7"	5.25"	1/2"	12
LC22B22D	#7	2"	14.6"	7.2"	1/2"	16
LC25B22D	#8	2.38"	15.7"	7.75"	5/8"	14
LC28B22D	#9	2.8"	17.2"	8.5"	3/4"	12
LC32B22D	#10	3"	19.7"	9.7"	3/4"	14
LC36B22D	#11	3.13"	22.2"	10.95"	3/4"	16

Table 2/2

Catalog Number	Number of Round Bolts	Torque (TQ)	Unit Weight
LC16B22D	4	85 ft·lbf	2.9 lb
LC20B22D	4	85 ft·lbf	5.2 lb
LC22B22D	4	85 ft·lbf	7.5 lb
LC25B22D	4	193 ft·lbf	11.4 lb
LC28B22D	4	597 ft·lbf	17.2 lb
LC32B22D	4	597 ft·lbf	22.3 lb
LC36B22D	4	440 ft·lbf	26.9 lb

Designed to Meet:

AASHTO;ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);IBC Type 2 (Specified Tensile);US Army Corps of Engineers

ADDITIONAL PRODUCT DETAILS

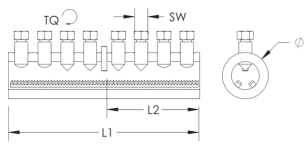
Bolt length may vary after the bolt heads are sheared off. Bolt heads are not required to be removed as long as the appropriate bolt torque is achieved.

See instructions for installation equipment recommendations.

Refer to complete installation instructions provided with the product or available at nVent.com/LENTON 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 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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