

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

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