

nVent LENTON Connect B12 Series Shear Bolt Coupler, Epoxy



Coated reinforcing bar is used in place of plain reinforcing bars to protect against corrosion. Typical applications include bridges, parking structures, pavement, marine structures and repair work. nVent LENTON couplers and mechanical anchors are available in multiple coatings to meet specific job requirements.

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

Finish Standard:	ASTM® A775/A775M and AASHTO M284
Finish:	Epoxy Coated
Material:	Steel
100% U.S. Domestic Content:	Yes

Table 1/2

Catalog Number	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)	Socket Width (SW)
LC16B12ESD	#4, #5	10M, 15M	1.63"	5.1"	2.5"	1/2"
LC20B12ESD	#6	20M	1.9"	6.8"	3.3"	1/2"

CatalogNumber	Rebar Size, US	Rebar Size, Canada	Diameter (Ø)	Length 1 (L1)	Length 2 (L2)	Socket Width (SW)
LC22B12ESD	#7		2"	8.7"	4.3"	1/2"
LC25B12ESD	#8	25M	2.38"	10.7"	5.3"	5/8"
LC28B12ESD	#9	30M	2.8"	11.2"	5.5"	3/4"
LC32B12ESD	#10		3"	13.7"	6.7"	3/4"
LC36B12ESD	#11	35M	3.13"	16.2"	7.9"	3/4"

Table 2/2

Catalog Number	Number of Bolts	Torque (TQ)	Unit Weight
LC16B12ESD	6	85 ft·lbf	2.2 lb
LC20B12ESD	8	85 ft·lbf	3.7 lb
LC22B12ESD	10	85 ft·lbf	5 lb
LC25B12ESD	10	193 ft·lbf	9.5 lb
LC28B12ESD	8	597 ft·lbf	14.1 lb
LC32B12ESD	10	597 ft·lbf	18.7 lb
LC36B12ESD	12	597 ft·lbf	23.4 lb

Designed to Meet: AASHTO;ACI 318 Type 1 (125% Specified Yield);CAN/CSA - N287.2/.3/.4;ACI 318 Type 2 (Specified Tensile);IBC Type 1 (125% Specified Yield);IBC Type 2 (Specified Tensile);US Army Corps of Engineers

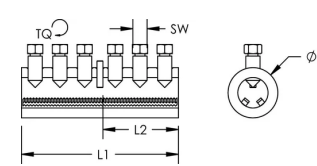
ADDITIONAL PRODUCT DETAILS

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.

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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