

nVent LENTON Lock B-Series Shear Bolt Coupler, Coated



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

SPECIFICATIONS

Finish Standard: ASTM® B695 Class 50 with Clear Trivalent Chromate Seal

Finish: Mechanical Galvanized

Material: Steel

Table 1/2

Catalog Number	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter 1 (Ø1)	Diameter 2 (Ø2)	Length (L)
LL12B1MG	12 mm	#4	10M	29 mm	15 mm	127mm
LL16B1MG	14 mm, 16 mm	#5	15M	35 mm	19 mm	159mm
LL20B1MG	18 mm, 20 mm	#6	20M	44 mm	24 mm	191mm

CatalogNumber	Rebar Size, Metric	Rebar Size, US	Rebar Size, Canada	Diameter 1(Ø1)	Diameter 2(Ø2)	Length (L)
LL22B1MG	22 mm	#7		48 mm	28 mm	222mm
LL25B1MG	25 mm	#8	25M	54 mm	30 mm	254mm
LL28B1MG	28 mm, 30 mm	#9	30M	60 mm	34 mm	287mm
LL32B1MG	32 mm	#10		65 mm	38 mm	323mm

Table 2/2

Catalog Number	Socket Width (SW)	Number of Bolts	Number of Round Bolts	Torque (TQ)	Unit Weight
LL12B1MG	13mm	6	2	110 N·m	0.57 kg
LL16B1MG	13mm	6	2	110 N·m	0.92 kg
LL20B1MG	13mm	8	2	110 N·m	1.68 kg
LL22B1MG	16mm	8	2		2.28 kg
LL25B1MG	16mm	8	2	340 N·m	3.37 kg
LL28B1MG	16mm	10	2	340 N·m	4.56 kg
LL32B1MG	21mm	8	2	680 N·m	5.92 kg

Designed to Meet: AASHTO;ABNT NBR 8548:1984;ACI 318 Type 1 (125% Specified Yield);ACI 318 Type 2 (Specified Tensile);ACI 349;ACI 359;AS3600

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.

When using an impact wrench, size the wrench for 2x the bolt torque. If using an air impact wrench, check the air pressure, torque rating and air flow requirements before starting installations.

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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