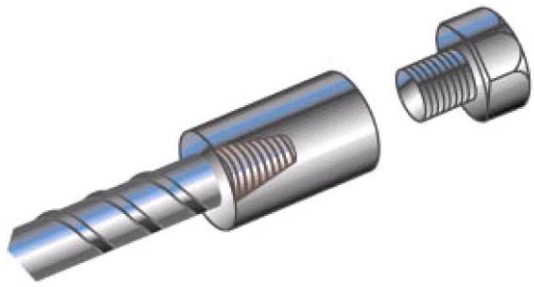


nVent LENTON Installation Instructions

Bolt Couplers - Americas



nVent LENTON taper threaded couplers can be assembled with a standard pipe wrench. The nVent LENTON inspection wrench may be used to periodically check tightness (see chart below). Proper nVent LENTON inspection wrench settings should be used for the given bar sizes.

SNUG Tight Installation Instructions: SNUG Tight installation (>5 ft-lbs) may be used with ASTM A615 or A706 Grade 60 or Grade 80 rebar for commercial projects when splice performance requirements are limited to only ACI 318 Type 1 (125% Specified Yield) or Type 2 (Specified Tensile), or when otherwise approved by the project. Additional steps may be necessary to secure product for transportation and handling.

Installation:

Step 1 – Remove the bar end protectors, if present, from the ends of the taper threaded rebar. Visually inspect the threads to ensure that they are free of concrete, rust, or other debris and are not damaged. Use a wire brush if threads need to be cleaned.

Step 2 – Inspect part number on the coupler to ensure it is the proper size for the rebar being spliced. (See chart below)

Step 3 – If present, remove cap or internal coupler protector from the coupler. Visually inspect internal thread to ensure it is free of concrete or other debris.

Step 4 – Refer to Step 1 above for rebar cleanliness. Place the taper end of the coupler onto the taper threaded rebar and rotate the coupler clockwise until hand tight, (approx.. 4 – 1/2 turns). If using a standard pipe wrench, rotate the coupler clockwise to securely tighten the coupler. The nVent LENTON inspection wrench can be used by an inspector to periodically check tightness (see chart below for wrench setting).

Rebar Size Designation			S4 Series		S5 Series		Optimal Torque for nVent LENTON Taper Thread ¹	Maximum Allowable Bolt Length Within Coupler	Coupler Straight Thread Length Engagement
in-lb.	Metric	Canada	Part Number	Thread Type UNC	Part Number	Thread Type UN			
#3	10	---	EL10S4	1/2 - 13 UNC	N.A.	N.A.	30	1 1/16	9/16
#4	12	10M	EL12S4	5/8 - 11 UNC			30	1 1/4	3/4
#5	16	15M	EL16S4	3/4 - 10 UNC			90	1 7/16	15/16
			EL16S4A	5/8 - 11 UNC			130	1 5/8	1 1/8
#6	20	20M	EL20S4	7/8 - 9 UNC			160	1 13/16	1 5/16
#7	22	---	EL22S4	1 - 8 UNC			200	2 1/4	1 1/2
#8	25	25M	EL25S4	1 1/8 - 7 UNC			EL25S5	1 1/8 - 8 UN	200
#9	28	30M	EL28S4	1 1/4 - 7 UNC	EL28S5	1 1/4 - 8 UN	200	2 5/8	1 7/8
			EL28S4A	1 - 8 UNC	-	-	200	3 1/8	2 1/8
#10	32	---	EL32S4	1 1/2 - 6 UNC	EL32S5	1 1/2 - 8 UN	200	3 1/2	2 1/2
			EL32S4A	1 - 8 UNC	EL32S5A	1 3/8 - 8 UN	200	2 5/8	1 7/8
			-	-	EL32S5B	1 1/4 - 8 UN	200	3 1/2	2 1/2
#11	36	35M	EL36S4	1 3/4 - 5 UNC	EL36S5	1 3/4 - 8 UN	200	2 5/8	1 7/8
			-	-	EL36S5A	1 3/8 - 8 UN	200	3 1/2	2 1/2
			EL36S4A	1 1/4 - 7 UNC	-	-	200	2 5/8	1 7/8
#14	43	45M	EL43TS4	2 - 4.5 UNC	EL43TS5	2 - 8 UN	200	3 1/2	2 1/2
			EL57TS4	2 1/2 - 4 UNC	EL57TS5	2 1/2 - 8 UN	200	4 3/8	3 3/8
#18	57	55M	EL57TS4A	2 1/4 - 4.5 UNC	EL57TS5A	2 1/4 - 8 UN	200	4 3/8	3 3/8
			EL57TS4A	2 1/4 - 4.5 UNC	EL57TS5A	2 1/4 - 8 UN	200	4 3/8	3 3/8

* The integrity, torque, and proper installation criteria of the straight threaded connection should be evaluated by a qualified engineer.

Note 1: Refer to "SNUG Tight Installation Instructions in this document"

WARNING:

- nVent products shall be installed and used only as indicated in nVent product instruction sheets and training materials. Instruction sheets are available at www.nVent.com and from your nVent customer service representative.
- nVent products must never be used for a purpose other than the purpose for which they were designed or in a manner that exceeds specified load ratings.
- All instructions must be completely followed to ensure proper and safe installation and performance.
- 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/or death, and void your warranty.

The customer is responsible for:

- Conformance to all governing codes.
- The integrity of structures to which the products are attached, including their capability of safely accepting the loads imposed, as evaluated by a qualified engineer.
- Using appropriate industry standard hardware as noted above.

SAFETY INSTRUCTIONS:

All governing codes, regulations, and those required by the job site must be observed. Always use appropriate safety equipment such as eye protection, hard hat, and gloves as appropriate to the application.

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