

nVent LENTON Installation Instructions

Form Saver Assemblies – Americas

(Table 1)



nVent LENTON Form Saver assemblies are 2-piece assemblies designed for segmental pour construction methods. The tapered threaded coupler is factory attached to the rebar either by friction welding or a nVent LENTON taper threaded connection. A separate rebar (dowel) is provided with matching external tapered threads.

nVent LENTON Form Saver assemblies are shipped from regional locations where nailer plates are installed along with temporary thread protection. The nailer plates are factory installed to ease the installation of nVent LENTON Form Saver's to existing concrete forms. The female coupler assembly is also furnished with short term thread protection.

SNUG Tight Installation Instructions: SNUG Tight installation (>5 ft-lbs) may be used with ASTM A615 or A706 Grade 60 and 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.

in.-lb.	Metric	Canada	Optimal Installation Torque ¹	
			Nm	ft.-lbs.
#3	10	---	40	30
#4	12	10M	40	30
---	14	---	80	60
#5	16	15M	120	90
---	18	---	150	110
#6	20	20M	180	130
#7	22	---	220	160
---	24	---	270	200
#8	25	25M	270	200
---	26	26M	270	200
#9	28	30M	270	200
---	30	---	300	200*
#10	32	---	300	200*
---	34	---	300	200*
#11	36	35M	300	200*
---	38	---	350	200*
---	40	---	350	200*
#14	43	45M	350	200*
---	50	---	350	200*
#18	57	55M	350	200*

+ Metric and Imperial table values are not a direct conversion.
* Americas only

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

(Figures in order 1 - 4)



INSTALLATION:

Step 1: Ensure the nVent LENTON Form Saver is sized properly with project plans. Check and ensure proper installation of coupler thread protection prior to mounting to formwork.

Step 2: Install coupler assembly parallel with rebar to be spliced (Figure 1). Position nailer plate flush to form. Attach plate using nails, etc. Complete the tying off of the rebar. Ensure that assembly is properly supported to prevent movement before or during the pour. **WARNING:** The nailer flange is **NOT** intended to support the weight of rebar, installer, or equipment.

Step 3: After forms are stripped, ensure that thread protection on couplers are removed prior to installation of male dowel (Figure 2).

Step 4: NOTE! Ensure that the correct nVent LENTON taper threaded rebar is utilized. Ensure dowel thread protection is removed. Ensure that the coupler and rebar dowel threads are clean and free of rust, concrete slurry, etc. (Figure 3). Clean as required using wire brush. Install rebar dowel hand tight, approx. 4 – 1/2 turns clockwise. Use a pipe wrench to tighten securely (figure 4). Refer to Table for torqu required to complete installation if Snug Tight is not being used. The nVent LENTON brand of inspection wrench can be used by inspectors to periodically check tightness

Step 5: If the coupler and/or rebar is epoxy coated, refer to "Field Touch Up Recommendations for Epoxy Coated Couplers" instruction Sheet PDF056. Additional copies of instructions and application information are available at www.nVent.com

WARNING:

1. 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.
2. 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.
3. All instructions must be completely followed to ensure proper and safe installation and performance.
4. 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:

- a. Conformance to all governing codes.
- b. 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.
- c. Using appropriate industry standard hardware as noted above.

SAFETY INSTRUCTIONS:

All governing codes and 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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