

nVent LENTON Lock S1MG Test Data

ASTM® A615 Grade 60

Part Number	Lab Test Report Number	Rebar		Test Result		IBC® and ACI® 318 TYPE 1		
		Size		Area (in ²)	*Actual Stress Achieved (psi)	% fy	Required Stress 125% x Specified Yield (125% x 60,000) psi	TYPE 1 Pass / Fail
		in-lb	[mm]					
LL12S1MG	LL12S1MG-1	4	[12]	0.20	114,500	191%	75,000	Pass
LL12S1MG	LL12S1MG-2	4	[12]	0.20	111,000	185%	75,000	Pass
LL16S1MG	LL16S1MG-1	5	[16]	0.31	105,000	175%	75,000	Pass
LL16S1MG	LL16S1MG-2	5	[16]	0.31	104,500	174%	75,000	Pass
LL20S1MG	LL20S1MG-1	6	[20]	0.44	100,000	167%	75,000	Pass
LL20S1MG	LL20S1MG-2	6	[20]	0.44	100,000	167%	75,000	Pass
LL22S1MG	LL22S1MG-1	7	[22]	0.60	102,000	170%	75,000	Pass
LL22S1MG	LL22S1MG-2	7	[22]	0.60	103,000	172%	75,000	Pass
LL25S1MG	LL25S1MG-1	8	[25]	0.79	96,000	160%	75,000	Pass
LL25B1MG	LL25S1MG-2	8	[25]	0.79	94,500	158%	75,000	Pass
LL28S1MG	LL28S1MG-1	9	[28]	1.00	98,000	163%	75,000	Pass
LL28S1MG	LL28S1MG-2	9	[28]	1.00	101,500	169%	75,000	Pass
LL32S1MG	LL32S1MG-1	10	[32]	1.27	88,000	147%	75,000	Pass
LL32S1MG	LL32S1MG-2	10	[32]	1.27	92,000	153%	75,000	Pass
LL36S1MG	LL36S1MG-1	11	[36]	1.56	96,500	161%	75,000	Pass
LL36S1MG	LL36S1MG-2	11	[36]	1.56	97,000	162%	75,000	Pass

*** Actual performance also exceeds ACI 318 Type 1 and Type 2 for ASTM A706 Grade 60.**

Table is a summary of Laboratory tests. Test reports are available upon request.

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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 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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