

# nVent LENTON Lock B1MG Test Data

## ASTM® A615 Grade 60

Part Number	Lab Test Report Number	Rebar			Test Result		IBC® and ACI® 318 TYPE 1		IBC and ACI 318 TYPE 2	
		Size		Area (in <sup>2</sup> )	*Actual Stress Achieved (psi)	% fy	Required Stress 125% x Specified Yield	TYPE 1 Pass / Fail	Required Stress Specified Tensile	TYPE 2 Pass / Fail
		in-lb	[mm]							
LL12B1MG	LL12B1MG-1	4	[12]	0.20	114,500	191%	75,000	Pass	90,000	Pass
LL12B1MG	LL12B1MG-2	4	[12]	0.20	114,000	190%	75,000	Pass	90,000	Pass
LL16B1MG	LL16B1MG-1	5	[16]	0.31	107,000	178%	75,000	Pass	90,000	Pass
LL16B1MG	LL16B1MG-2	5	[16]	0.31	104,500	174%	75,000	Pass	90,000	Pass
LL20B1MG	LL20B1MG-1	6	[20]	0.44	100,000	167%	75,000	Pass	90,000	Pass
LL20B1MG	LL20B1MG-2	6	[20]	0.44	100,000	167%	75,000	Pass	90,000	Pass
LL22B1MG	LL22B1MG-1	7	[22]	0.60	103,000	172%	75,000	Pass	90,000	Pass
LL22B1MG	LL22B1MG-2	7	[22]	0.60	103,000	172%	75,000	Pass	90,000	Pass
LL25B1MG	LL25B1MG-1	8	[25]	0.79	94,000	157%	75,000	Pass	90,000	Pass
LL25B1MG	LL25B1MG-2	8	[25]	0.79	95,000	158%	75,000	Pass	90,000	Pass
LL28B1MG	LL28B1MG-1	9	[28]	1.00	100,700	168%	75,000	Pass	90,000	Pass
LL28B1MG	LL28B1MG-2	9	[28]	1.00	99,500	166%	75,000	Pass	90,000	Pass
LL32B1MG	LL32B1MG-1	10	[32]	1.27	97,000	162%	75,000	Pass	90,000	Pass
LL32B1MG	LL32B1MG-2	10	[32]	1.27	97,000	162%	75,000	Pass	90,000	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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- 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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