# nVent LENTON Lock S1MG Step-Up Test Data ASTM® A615 Grade 60

Part Number	Lab Test Report Number	Rebar			Test Result		IBC <sup>®</sup> and ACI <sup>®</sup> 318 TYPE 1		IBC and ACI 318 TYPE 2	
		Size		Area (in²)	*Actual Stress	%fy	Required Stress 125% x Specified Yield	TYPE1	Required Stress Specified Tensile	TYPE 2
		in-lb	[mm]	,	Achieved (psi)	,	(125% x 60,000) psi	Pass / Fail	(90,000) psi	Pass / Fail
LL12S1MG	TK5172	3	[40]	0.11	111.018	185%	75.000	Pass	90.000	Pass
		3	[10]				75,000		,	
LL12S1MG	TK5173	-	[10]	0.11	106,745	178%	75,000	Pass	90,000	Pass
LL12S1MG	TK5174	3	[10]	0.11	105,918	177%	75,000	Pass	90,000	Pass
LL16S1MG	TK5143	4	[12]	0.20	96,705	161%	75,000	Pass	90,000	Pass
LL16S1MG	TK5144	4	[12]	0.20	91,420	152%	75,000	Pass	90,000	Pass
LL16S1MG	TK5145	4	[12]	0.20	90,890	151%	75,000	Pass	90,000	Pass
LL20S1MG	TK5140	5	[16]	0.31	110,110	184%	75,000	Pass	90,000	Pass
LL20S1MG	TK5141	5	[16]	0.31	109,005	182%	75,000	Pass	90,000	Pass
LL20S1MG	TK5142	5	[16]	0.31	111,825	186%	75,000	Pass	90,000	Pass
LL22S1MG	TK5137	6	[20]	0.44	98,820	165%	75,000	Pass	90,000	Pass
LL22S1MG	TK5138	6	[20]	0.44	97,150	162%	75,000	Pass	90,000	Pass
LL22S1MG	TK5139	6	[20]	0.44	98,209	164%	75,000	Pass	90,000	Pass
LL25S1MG	TK5134	7	[22]	0.60	95,325	159%	75,000	Pass	90,000	Pass
LL25S1MG	TK5135	7	[22]	0.60	95,382	159%	75,000	Pass	90,000	Pass
LL25S1MG	TK5136	7	[22]	0.60	96,062	160%	75,000	Pass	90,000	Pass
LL28S1MG	TK5146	8	[25]	0.79	97,266	162%	75,000	Pass	90,000	Pass
LL28S1MG	TK5147	8	[25]	0.79	96,282	160%	75,000	Pass	90,000	Pass
LL28S1MG	TK5148	8	[25]	0.79	96,527	161%	75,000	Pass	90,000	Pass
LL32S1MG	TK5131	9	[28]	1.00	97,122	162%	75,000	Pass	90,000	Pass
LL32S1MG	TK5132	9	[28]	1.00	96,000	160%	75,000	Pass	90,000	Pass
LL32S1MG	TK5133	9	[28]	1.00	91,093	152%	75,000	Pass	90,000	Pass
LL36S1MG	TK6507	10	[32]	1.27	96,522	161%	75,000	Pass	90,000	Pass
LL36S1MG	TK6508	10	[32]	1.27	97,680	163%	75,000	Pass	90,000	Pass
LL36S1MG	TK6509	10	[32]	1.27	98,715	165%	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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- 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.

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Always use appropriate safety equipment such as eye protection, hard hat, and gloves as appropriate to the application.

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