

LENTON® LOCK B1 - Independent Test Data

ASTM® A615 Grade 75

Part Number	Independent Lab Test Report Number	Rebar (1)			Independent Test Result		IBC® and ACI® 318 TYPE 1		IBC and ACI 318 TYPE 2	
		Size		Area (in²)	*Actual Stress Achieved (psi)	% fy	Required Stress 125% x Specified Yield (125% x 75,000) psi	TYPE 1 Pass/ Fail	Required Stress Specified Tensile (100,000) psi	TYPE 2 Pass/ Fail
		in-lb	[mm]							
LL12B1	TJ8649	4	[12]	0.20	117,320	156%	93,750	Pass	100,000	Pass
LL12B1	TJ8650	4	[12]	0.20	117,675	157%	93,750	Pass	100,000	Pass
LL12B1	TJ8651	4	[12]	0.20	117,105	156%	93,750	Pass	100,000	Pass
LL16B1	TJ3385	5	[16]	0.31	111,339	148%	93,750	Pass	100,000	Pass
LL16B1	TJ3386	5	[16]	0.31	110,958	148%	93,750	Pass	100,000	Pass
LL16B1	TJ3387	5	[16]	0.31	113,877	152%	93,750	Pass	100,000	Pass
LL20B1	TJ3388	6	[20]	0.44	119,561	159%	93,750	Pass	100,000	Pass
LL20B1	TJ3389	6	[20]	0.44	122,455	163%	93,750	Pass	100,000	Pass
LL20B1	TJ3390	6	[20]	0.44	121,959	163%	93,750	Pass	100,000	Pass
LL22B1	TJ3391	7	[22]	0.60	105,837	141%	93,750	Pass	100,000	Pass
LL22B1	TJ3392	7	[22]	0.60	119,893	160%	93,750	Pass	100,000	Pass
LL22B1	TJ3393	7	[22]	0.60	116,032	155%	93,750	Pass	100,000	Pass
LL25B1	TJ3394	8	[25]	0.79	118,924	159%	93,750	Pass	100,000	Pass
LL25B1	TJ3395	8	[25]	0.79	118,228	158%	93,750	Pass	100,000	Pass
LL25B1	TJ3396	8	[25]	0.79	109,509	146%	93,750	Pass	100,000	Pass
LL28B1	TJ3400	9	[28]	1.00	106,619	142%	93,750	Pass	100,000	Pass
LL28B1	TJ3401	9	[28]	1.00	103,690	138%	93,750	Pass	100,000	Pass
LL28B1	TJ3402	9	[28]	1.00	101,663	136%	93,750	Pass	100,000	Pass
LL32B1	TJ8578	10	[32]	1.27	111,493	149%	93,750	Pass	100,000	Pass
LL32B1	TJ8579	10	[32]	1.27	104,864	140%	93,750	Pass	100,000	Pass
LL32B1	TJ8580	10	[32]	1.27	111,150	148%	93,750	Pass	100,000	Pass
LL36B1	TJ3406	11	[36]	1.56	103,278	138%	93,750	Pass	100,000	Pass
LL36B1	TJ3407	11	[36]	1.56	110,008	147%	93,750	Pass	100,000	Pass
LL36B1	TJ3408	11	[36]	1.56	104,170	139%	93,750	Pass	100,000	Pass
LL43B1	TJ8663	14	[43]	2.25	105,543	141%	93,750	Pass	100,000	Pass
LL43B1	TJ8664	14	[43]	2.25	114,907	153%	93,750	Pass	100,000	Pass
LL43B1	TJ8665	14	[43]	2.25	104,632	140%	93,750	Pass	100,000	Pass
LL57B1	TJ8669	18	[57]	4.00	104,392	139%	93,750	Pass	100,000	Pass
LL57B1	TJ8670	18	[57]	4.00	109,183	146%	93,750	Pass	100,000	Pass
LL57B1	TJ8671	18	[57]	4.00	100,588	134%	93,750	Pass	100,000	Pass

*** Actual performance also exceeds ACI 318 Type 1 and Type 2 for ASTM A706 Grades 60 and 80.**

Table is a summary of STORK HERRON Independent Laboratory (now known as ELEMENT MATERIALS TECHNOLOGY) and Professional Service Industries, Inc. (commissioned by Benchmark Consulting and Inspection) tests. Test reports are available upon request.

WARNING:

1. ERICO products shall be installed and used only as indicated in ERICO product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your ERICO customer service representative.
2. ERICO 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 ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

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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TECHNICAL SUPPORT:

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1 of 1

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