

# nVent LENTON Weldable Couplers (C2/C3J) - Independent Test Data

## ASTM<sup>®</sup> A706 Grade 60

Part Number	Independent Lab Test Report Number	Rebar		Independent Test Result		IBC <sup>®</sup> and ACI <sup>®</sup> 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 (125% x 60,000) psi	TYPE 1 Pass/ Fail	Required Stress Specified Tensile (80,000) psi	TYPE 2 Pass/ Fail
		in-lb	[mm]							
EL12C2	TJ8575	4	[12]	0.20	95,545	159%	75,000	Pass	80,000	Pass
EL12C2	TJ8576	4	[12]	0.20	97,880	163%	75,000	Pass	80,000	Pass
EL12C2	TJ8577	4	[12]	0.20	97,165	162%	75,000	Pass	80,000	Pass
EL16C2	TJ8572	5	[16]	0.31	102,752	171%	75,000	Pass	80,000	Pass
EL16C2	TJ8573	5	[16]	0.31	102,429	171%	75,000	Pass	80,000	Pass
EL16C2	TJ8574	5	[16]	0.31	102,900	172%	75,000	Pass	80,000	Pass
EL20C3J	TH9732	6	[20]	0.44	95,273	159%	75,000	Pass	80,000	Pass
EL20C3J	TH9733	6	[20]	0.44	90,834	151%	75,000	Pass	80,000	Pass
EL20C3J	TH9734	6	[20]	0.44	93,841	156%	75,000	Pass	80,000	Pass
EL22C3J	TH9729	7	[22]	0.60	85,725	143%	75,000	Pass	80,000	Pass
EL22C3J	TH9730	7	[22]	0.60	87,213	145%	75,000	Pass	80,000	Pass
EL22C3J	TH9731	7	[22]	0.60	87,075	145%	75,000	Pass	80,000	Pass
EL25C3J	TH9695	8	[25]	0.79	86,039	143%	75,000	Pass	80,000	Pass
EL25C3J	TH9697	8	[25]	0.79	86,286	144%	75,000	Pass	80,000	Pass
EL25C3J	TH9698	8	[25]	0.79	86,441	144%	75,000	Pass	80,000	Pass
EL28C3J	TH9703	9	[28]	1.00	91,336	152%	75,000	Pass	80,000	Pass
EL28C3J	TH9704	9	[28]	1.00	95,682	159%	75,000	Pass	80,000	Pass
EL28C3J	TH9705	9	[28]	1.00	91,116	152%	75,000	Pass	80,000	Pass
EL32C3J	TH9745	10	[32]	1.27	88,739	148%	75,000	Pass	80,000	Pass
EL32C3J	TH9746	10	[32]	1.27	88,220	147%	75,000	Pass	80,000	Pass
EL32C3J	TH9747	10	[32]	1.27	86,413	144%	75,000	Pass	80,000	Pass
EL36C3J	TH9753	11	[36]	1.56	96,642	161%	75,000	Pass	80,000	Pass
EL36C3J	TH9754	11	[36]	1.56	98,270	164%	75,000	Pass	80,000	Pass
EL36C3J	TH9755	11	[36]	1.56	96,485	161%	75,000	Pass	80,000	Pass
EL43TC3J	TJ8569	14	[43]	2.25	91,904	153%	75,000	Pass	80,000	Pass
EL43TC3J	TJ8570	14	[43]	2.25	88,597	148%	75,000	Pass	80,000	Pass
EL43TC3J	TJ8571	14	[43]	2.25	91,395	152%	75,000	Pass	80,000	Pass
EL57TC3J	TJ8565	18	[57]	4.00	102,856	171%	75,000	Pass	80,000	Pass
EL57TC3J	TJ8566	18	[57]	4.00	105,098	175%	75,000	Pass	80,000	Pass
EL57TC3J	TJ8567	18	[57]	4.00	102,837	171%	75,000	Pass	80,000	Pass

**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.**

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- 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](http://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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D	REBRANDING	1014907	29APR19	JLC	MNB	ADM	-	-
REV	DESCRIPTION	ESN #	DATE	DRN	CHK	APP	QA	MFG
Tolerance (Inch) Unless Noted Angular Tolerance: ±° Fractional Tolerance: ± Two Place Decimal: ± Three Place Decimal: ±					Third Angle Projection 			
Tolerance [mm] Unless Noted Angular Tolerance: ±° One Place Decimal: ± Two Place Decimal: ±		Title: LENTON WELDABLE COUPLERS (C2/C3J) INDEPENDENT TEST DATA ASTM A706 GRADE 60						
B Size		SHT 1 Of 1		Scale None		DWG CRSELC2C3J1		REV D