

LENTON® Couplers (A32K) - Independent Test Data

ASTM® A1035 Grade 100

Part Number	Independent Lab Test Report Number	Rebar			Independent Test Result		IBC® and ACI® 318 TYPE 1		IBC and ACI 318 TYPE 2	
		Size		Area (in ²)	*Actual Stress Achieved (psi)	% fy	Required Stress 125% x Specified Yield (125% x 100,000) psi	TYPE 1 Pass/ Fail	Required Stress Specified Tensile (150,000) psi	TYPE 2 Pass/ Fail
		in-lb	[mm]							
EL12A32K	1503-09-0437-7C	4	[12]	0.20	154,000	154%	125,000	Pass	150,000	Pass
EL12A32K	1503-09-0437-7D	4	[12]	0.20	153,000	153%	125,000	Pass	150,000	Pass
EL12A32K	1503-09-0437-7E	4	[12]	0.20	152,000	152%	125,000	Pass	150,000	Pass
EL16A32K	1504-23-1427B	5	[16]	0.31	166,000	166%	125,000	Pass	150,000	Pass
EL16A32K	1503-09-0437-6C	5	[16]	0.31	167,000	167%	125,000	Pass	150,000	Pass
EL16A32K	1503-09-0437-6E	5	[16]	0.31	167,000	167%	125,000	Pass	150,000	Pass
EL20A32K	1503-09-0437-5C	6	[20]	0.44	160,000	160%	125,000	Pass	150,000	Pass
EL20A32K	1503-09-0437-5D	6	[20]	0.44	160,000	160%	125,000	Pass	150,000	Pass
EL20A32K	1503-09-0437-5E	6	[20]	0.44	159,000	159%	125,000	Pass	150,000	Pass
EL22A32K	1503-09-0437-4C	7	[22]	0.60	175,000	175%	125,000	Pass	150,000	Pass
EL22A32K	1503-09-0437-4D	7	[22]	0.60	174,000	174%	125,000	Pass	150,000	Pass
EL22A32K	1503-09-0437-4E	7	[22]	0.60	175,000	175%	125,000	Pass	150,000	Pass
EL25A32K	1503-09-0437-3C	8	[25]	0.79	163,000	163%	125,000	Pass	150,000	Pass
EL25A32K	1503-09-0437-3D	8	[25]	0.79	162,000	162%	125,000	Pass	150,000	Pass
EL25A32K	1503-09-0437-3E	8	[25]	0.79	163,000	163%	125,000	Pass	150,000	Pass
EL28A32K	1503-09-0437C	9	[28]	1.00	156,000	156%	125,000	Pass	150,000	Pass
EL28A32K	1503-09-0437D	9	[28]	1.00	156,000	156%	125,000	Pass	150,000	Pass
EL28A32K	1503-09-0437E	9	[28]	1.00	156,000	156%	125,000	Pass	150,000	Pass
EL32A32K	1503-09-0437-1C	10	[32]	1.27	164,000	164%	125,000	Pass	150,000	Pass
EL32A32K	1503-09-0437-1D	10	[32]	1.27	165,000	165%	125,000	Pass	150,000	Pass
EL32A32K	1503-09-0437-1E	10	[32]	1.27	165,000	165%	125,000	Pass	150,000	Pass
EL36A32K	TK0945	11	[36]	1.56	166,987	167%	125,000	Pass	150,000	Pass
EL36A32K	TK0946	11	[36]	1.56	166,750	167%	125,000	Pass	150,000	Pass
EL36A32K	TK0947	11	[36]	1.56	164,922	165%	125,000	Pass	150,000	Pass
EL43TA32K	TK0941	14	[43]	2.25	163,556	164%	125,000	Pass	150,000	Pass
EL43TA32K	TK0942	14	[43]	2.25	168,376	168%	125,000	Pass	150,000	Pass
EL43TA32K	TK0943	14	[43]	2.25	169,093	169%	125,000	Pass	150,000	Pass

* Actual performance also exceeds ACI 318 Type 1, Type 2 for ASTM® A615 Grade 60,75,80,100, ASTM A706 Grade 60,80 and ASTM A1035 Grade 120.

Table is a summary of Tensile Testing Metallurgical Laboratory and Benchmark Holdings independent laboratory tests. Test reports are available upon request.

WARNING:

- 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.
- 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.
- All instructions must be completely followed to ensure proper and safe installation and performance.
- 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:

- 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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TECHNICAL SUPPORT:

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