

Independent Test Data Summary for nVent LENTON Interlok Transition Splice



CONNECT AND PROTECT

LKT14 Transition Splice, #9 (grouted) to #14 (threaded), ASTM A706 Grade 80 Rebar.*

Coupler	Rebar			Independent Test Lab Results				IBC & ACI 318 Type 1		IBC & ACI 318 Type 2	
Part Number	Size		Area in ²	Report Number	Rebar Yield psi	Rebar Tensile psi	% Specified Yield (fy)	Code Requirements 125% fy (1.25 x 80,000) psi	Type 1 Pass/Fail	Code Requirements 100% fu (100,000) psi	Type 2 Pass/Fail
	in-lb	mm									
LKT14	9	28	1	TK7500	87,771	116,029	1.45	100,000	Pass	100,000	Pass
LKT14	9	28	1	TK7501	87,818	115,769	1.45	100,000	Pass	100,000	Pass
LKT14	9	28	1	TK7502	89,180	115,183	1.44	100,000	Pass	100,000	Pass
LKT14	9	28	1	TK7504	88,270	116,373	1.45	100,000	Pass	100,000	Pass
LKT14	9	28	1	TK7505	87,641	116,159	1.45	100,000	Pass	100,000	Pass

* Tested performance also exceeds IBC and ACI 318 Type 1 and Type 2 for ASTM A706 Grade 60 and A615 Grades 60, 75 and 80.

Definitions:

ACI 318, Type 1, Section 18.2.7.1(a) - A Type 1 mechanical splice shall develop in tension or compression, as required, at least 1.25 fy of the spliced bar. (1.25 fy =125% of the specified yield strength).

ACI 318, Type 2, Section 18.2.7.1(b) - A Type 2 mechanical splice shall meet the requirements of Type 1 and shall be capable of developing the specified tensile strength of the spliced bar (fu).

Notes:

Table is a summary of Benchmark Holdings International independent laboratory tests. Test reports available upon request.

All five splices tested to ICC AC133-20 Cyclic Tension four-stage test protocol.

Mechanical couplers in this test program spliced #9 ASTM A706 Grade 80 rebar to the grouted end of the LKT14 coupler with HY15LM grout (compressive strength > 14,000 psi). The non-grouted end of the LKT14 coupler was threaded to a #14 ASTM A706 Grade 80 rebar.



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