nVent LENTON Connect S2 Transition - Tensile Test Data

ASTM® A615 Grade 60 and ASTM A706 Grade 60

Part Number	Lab Test Report Number	Rebar			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 1.25 x Specified Yield	TYPE 1 Pass / Fail	Required Stress Specified Tensile	TYPE 2 Pass / Fail
		in-lb	[mm]							
LC16S2	TK5733	4	[12]	0.20	106,260	177%	ASTM A615 and A706 Grade 60 = 75,000 psi (125% x 60,000)	Pass	ASTM A615 Grade 60 = 80,000 psi per ACI 318-19 ASTM A706 Grade 60 = 80,000 psi per ACI 318-19 (and prior years)	Pass
LC16S2	TK5734	4	[12]	0.20	106,685	178%		Pass		Pass
LC16S2	TK5735	4	[12]	0.20	106,985	178%		Pass		Pass
LC20S2	TK5765	5	[16]	0.31	101,455	169%		Pass		Pass
LC20S2	TK5766	5	[16]	0.31	101,177	169%		Pass		Pass
LC20S2	TK5767	5	[16]	0.31	101,374	169%		Pass		Pass
LC22S2	TK5771	6	[20]	0.44	101,107	169%		Pass		Pass
LC22S2	TK5772	6	[20]	0.44	101,218	169%		Pass		Pass
LC22S2	TK5773	6	[20]	0.44	101,036	168%		Pass		Pass
LC25S2*	TK5774	6	[20]	0.44	100,045	167%		Pass		Pass
LC25S2*	TK5824	6	[20]	0.44	100,955	168%		Pass		Pass
LC25S2*	TK5825	6	[20]	0.44	99,666	166%		Pass		Pass
* Two Steps										
LC25S2	TK5837	7	[22]	0.60	101,290	169%		Pass		Pass
LC25S2	TK5838	7	[22]	0.60	101,328	169%		Pass		Pass
LC25S2	TK5849	7	[22]	0.60	101,130	169%		Pass		Pass
LC28S2	TK5834	8	[25]	0.79	97,428	162%		Pass		Pass
LC28S2	TK5835	8	[25]	0.79	97,880	163%		Pass		Pass
LC28S2	TK5836	8	[25]	0.79	98,123	164%		Pass		Pass
LC32S2	TK5730	9	[28]	1.00	100,489	167%		Pass		Pass
LC32S2	TK5881	9	[28]	1.00	97,254	162%		Pass		Pass
LC32S2	TK5882	9	[28]	1.00	97,365	162%		Pass		Pass
LC36S2	TK5732	10	[32]	1.27	101,325	169%		Pass		Pass
LC36S2	TK5883	10	[32]	1.27	102,110	170%		Pass		Pass
LC36S2	TK5884	10	[32]	1.27	101,757	170%		Pass		Pass

Table is a summary of Laboratory tests results. Tests reports are available upon request.

The standard nVent LENTON Connect is designed to transition from the bar size identified on the coupler to the next smaller bar size (*in some cases transition two smaller bar sizes).
The couplers can also connect two bars of the same size where BOTH bars are one size smaller than the size identified on the coupler (*in some cases connect two smaller bar sizes).

nVent LENTON