

January 1, 2015



**Re: Repair of LUS Joist Hangers Installed with 10dx1½” Nails**

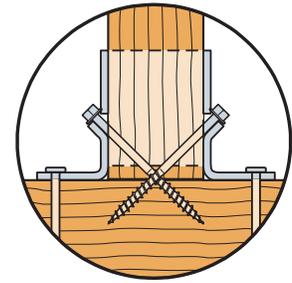
To Whom It May Concern:

Simpson Strong-Tie® LUS joist hangers require common joist nails with a minimum length of 3" to achieve the published load capacity. Simpson Strong-Tie does not support the use of 10dx1½" nails (0.148" dia. x 1½" long) into the double shear nail dome due to their lack of penetration into the header. The table below provides allowable loads for several LUS joist hangers installed and repaired with Simpson Strong-Tie Strong-Drive® SD Connector screws as follows:

1. 10dx1½" nails have been installed into the header and the joist.
2. All of the 10dx1½" joist nails have been removed without damaging the LUS joist hanger.
3. #9x2½" SD Connector screws have been installed into the joist using the dome nailing feature.
4. All other installation instructions found in the current *Wood Construction Connectors* catalog have been followed.



**10dx1½” nails may not be used as double shear nails**



**Replace double shear nails with SD #9x2½” screws**

Model No.	Fasteners		DF/SP Allowable Loads (lbs.)				SPF/HF Allowable Loads (lbs.)			
	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)
LUS24	4-10dx1½"	2-SD #9x2½"	385	540	620	675	330	465	535	580
LUS26	4-10dx1½"	4-SD #9x2½"	930	695	800	870	800	600	690	750
LUS28	6-10dx1½"	4-SD #9x2½"	1035	890	1025	1115	890	765	880	960
LUS210	8-10dx1½"	4-SD #9x2½"	980	1085	1250	1355	845	935	1075	1165

1. Uplift loads have been increased for wind or earthquake loading with no further increase allowed. Reduce where other loads govern.
2. **FASTENERS:** 10dx1½" = 0.148" dia. x 1½" long nail, SD #9x2½" (model SD9212) = 0.131" dia. x 2½" long structural-connector screw.

The information in this letter is valid until **12/31/16** when it will be re-evaluated by Simpson Strong-Tie. Please visit [www.strongtie.com](http://www.strongtie.com) for additional pertinent information. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.

L-C-LUSREPAIR15