

This series attach joists or rafters to headers, sloped up or down, and skewed left or right, up to 45°.

**MATERIAL:** See table

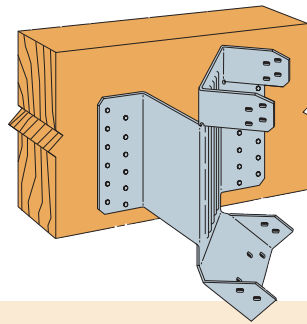
**FINISH:** Galvanized

**INSTALLATION:** • Use all specified fasteners.

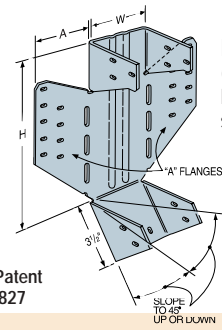
See General Notes.

- Attach the sloped joist at both ends so that the horizontal force developed by the slope is fully supported by the supporting members.
- **Web stiffeners required for I-joist applications.**

**CODES:** See page 8 for Code Listing Key Chart.



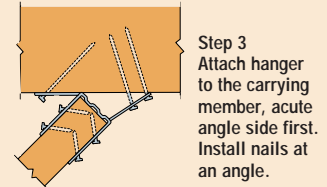
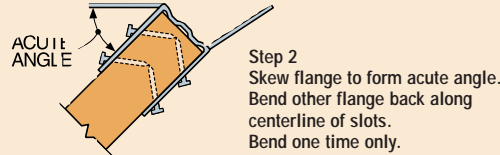
The LSU5.12 must be factory-skewed 0° to 45°. It may be field-sloped to 45°. (LSU4.12 and LSU3510-2 similar)



LSSU410 (LSSU210-2, LSSUH310 similar)

Canada Patent 1,168,827

## LSSU INSTALLATION SEQUENCE



Actual Joist Width	Model No.	Ga.	Dimensions			Fasteners		Allowable Loads								Code Ref.	
			W	H	A	Face	Joist	DF/SP Species Header				SPF Species Header					
								Uplift (133)	Uplift (160)	Floor (100)	Roof Snow (115)	Roof Const. (125)	Uplift (133)	Floor (100)	Roof Snow (115)		Roof Const. (125)
<b>Sloped Only Hangers</b>																	
1 1/2	LSSU210	18	1 9/16	8 1/2	1 5/8	10 - 10d	7 - 10dx1 1/2	730	875	1110	1275	1390	625	960	1105	1200	6, 39, 86
1 3/4	LSSU125	18	1 13/16	8 1/2	1 1/2	10 - 10d	7 - 10dx1 1/2	730	875	1110	1275	1390	625	960	1105	1200	
2	LSSU12.06	18	2 1/16	8 1/2	1 3/4	10 - 10d	7 - 10dx1 1/2	730	875	1110	1275	1390	625	960	1105	1200	
2 1/4 - 2 5/16	LSSU135	18	2 5/16	8 1/2	1 5/8	10 - 10d	7 - 10dx1 1/2	730	875	1110	1275	1390	625	960	1105	1200	160
2 1/2	LSSUH310	16	2 9/16	8 1/2	3 1/8	18 - 16d	12 - 10dx1 1/2	1150	1150	2295	2295	2295	990	1930	1930	1930	
3	LSSU210-2	16	3 1/8	8 1/2	2 7/8	18 - 16d	12 - 10dx1 1/2	1150	1150	2430	2795	3035	990	2160	2485	2700	
3 1/2	LSSU410	16	3 9/16	8 1/2	2 5/8	18 - 16d	12 - 10dx1 1/2	1150	1150	2430	2795	3035	990	2160	2485	2700	4, 38, 87
4	LSU4.12	14	4 1/8	9	2 1/4	24 - 16d	16 - 10dx1 1/2	1150	1150	3215	3700	4020	990	2785	3200	3480	
4 1/2 - 4 3/4	LSU3510-2	14	4 3/4	8 7/8	3 5/8	24 - 16d	16 - 10dx1 1/2	1150	1150	3215	3700	4020	990	2785	3200	3480	
5	LSU5.12	14	5 1/8	9	2 1/4	24 - 16d	16 - 10dx1 1/2	885	885	3215	3700	3785	760	2785	3200	3280	170
<b>Skewed Only or Sloped and Skewed Hangers</b>																	
1 1/2	LSSU210	18	1 9/16	8 1/2	1 5/8	9 - 10d	7 - 10dx1 1/2	730	785	995	1145	1205	625	860	995	1050	
1 3/4	LSSU125	18	1 13/16	8 1/2	1 1/2	9 - 10d	7 - 10dx1 1/2	730	785	995	1145	1205	625	860	995	1050	
2	LSSU12.06	18	2 1/16	8 1/2	1 3/4	9 - 10d	7 - 10dx1 1/2	730	785	995	1145	1205	625	860	995	1050	
2 1/4 - 2 5/16	LSSU135	18	2 5/16	8 1/2	1 5/8	9 - 10d	7 - 10dx1 1/2	730	785	995	1145	1205	625	860	995	1050	160
2 1/2	LSSUH310	16	2 9/16	8 1/2	3 1/8	14 - 16d	12 - 10dx1 1/2	1150	1150	1600	1600	1600	990	1385	1385	1385	
3	LSSU210-2	16	3 1/8	8 1/2	2 7/8	14 - 16d	12 - 10dx1 1/2	1150	1150	1625	1625	1625	990	1365	1365	1365	
3 1/2	LSSU410	16	3 9/16	8 1/2	2 5/8	14 - 16d	12 - 10dx1 1/2	1150	1150	1625	1625	1625	990	1365	1365	1365	4, 38, 87
4	LSU4.12 <sup>3</sup>	14	4 1/8	9	2 1/4	24 - 16d	16 - 10dx1 1/2	1150	1150	2300	2300	2300	990	1990	1990	1990	
4 1/2 - 4 3/4	LSU3510-2 <sup>3</sup>	14	4 3/4	8 7/8	3 5/8	24 - 16d	16 - 10dx1 1/2	1150	1150	2300	2300	2300	990	1990	1990	1990	
5	LSU5.12 <sup>3</sup>	14	5 1/8	9	2 1/4	24 - 16d	16 - 10dx1 1/2	885	885	1790	1790	1790	760	1550	1550	1550	170

1. Roof loads are 125% of floor loads unless limited by other criteria.
2. Uplift loads include a 33% and 60% increase for earthquake or wind loading; no further increase is allowed; reduce where other loads govern.

3. LSU3510-2, LSU4.12 and LSU5.12 skew option must be factory-ordered.
4. Minimum 11" joist height for LSU3510-2, LSU4.12, LSU5.12; 9 1/2" for all others.