

LSU/LSSU/LSSUI Light Slopeable/Skewable U Hangers for I-Joists and SCL



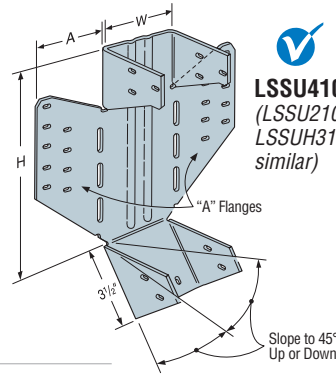
This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

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

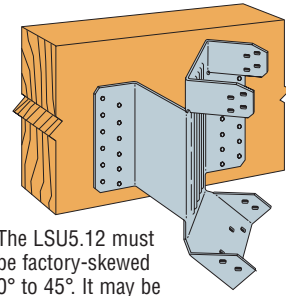
MATERIAL: See table **FINISH:** Galvanized

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.**
- **To see an installation video on this product, visit www.strongtie.com.**



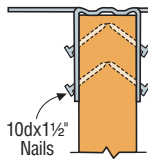
LSSU410
(LSSU210-2, LSSUH310 similar)



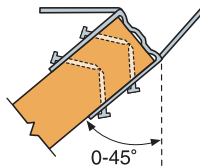
The LSU5.12 must be factory-skewed 0° to 45°. It may be field-sloped to 45°. (LSU4.12, LSU4.28 and LSU3510-2 similar)
Hanger shown skewed right

LSU and LSSU INSTALLATION SEQUENCE

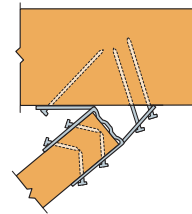
(For Skewed or Sloped/Skewed Applications)



STEP 1
Nail hanger to slope-cut carried member, installing seat nail first. No bevel necessary. Install joist nails at 45° angle.



STEP 2
Skew flange from 0-45°. Bend other flange back along centerline of slots until it meets the header. Bend one time only.



STEP 3
Attach hanger to the carrying member, acute angle side first. Install nails at an angle.

Actual Joist Width	Model No.	Ga	Dimensions (in)			Fasteners		Factored Resistance			
			W	H	A	Header	Joist	D. Fir-L		S-P-F	
								Uplift	Normal	Uplift	Normal
			(K _D =1.15)	(K _D =1.00)	(K _D =1.15)	(K _D =1.00)	lbs	lbs	lbs	lbs	
kN	kN	kN	kN								
SLOPED ONLY HANGERS											
1½	LSSU210	18	1⅞	8½	1⅝	10-10d	7-10dx1½	1635	3275	1170	2340
1¾	LSSUI25	18	1⅞	8½	1½	10-10d	7-10dx1½	1635	3275	1170	2340
2	LSSUI2.06	18	2⅞	8½	1¾	10-10d	7-10dx1½	1635	3275	1170	2340
2⅞	LSSU2.1	18	2⅞	8½	1¾	10-10d	7-10dx1½	1635	3275	1170	2340
2¼ - 2⅝	LSSUI35	18	2⅞	8½	1⅝	10-10d	7-10dx1½	1635	3275	1170	2340
2½	LSSUH310	16	2⅞	8½	3⅞	18-16d	12-10dx1½	1725	4205	1220	2970
3	LSSU210-2	16	3⅞	8½	2⅞	18-16d	12-10dx1½	1725	5355	1220	3785
3½	LSSU410	16	3⅞	8½	2⅝	18-16d	12-10dx1½	1725	5355	1220	3785
4	LSU4.12	14	4⅞	9	2¼	24-16d	16-10dx1½	1960	7015	1385	4960
4⅞	LSU4.28	14	4¼	9	2⅝	24-16d	16-10dx1½	1960	7015	1385	4960
4½ - 4¾	LSU3510-2	14	4¾	8⅞	3⅝	24-16d	16-10dx1½	1960	7015	1385	4960
5	LSU5.12	14	5⅞	9	2¼	24-16d	16-10dx1½	1285	5465	910	3865
SKewed HANGERS OR SLOPED AND SKewed HANGERS											
1½	LSSU210	18	1⅞	8½	1⅝	9-10d	7-10dx1½	1285	2090	915	1495
1¾	LSSUI25	18	1⅞	8½	1½	9-10d	7-10dx1½	1285	2090	915	1495
2	LSSUI2.06	18	2⅞	8½	1¾	9-10d	7-10dx1½	1285	2090	915	1495
2⅞	LSSU2.1	18	2⅞	8½	1¾	9-10d	7-10dx1½	1285	2090	915	1495
2¼ - 2⅝	LSSUI35	18	2⅞	8½	1⅝	9-10d	7-10dx1½	1285	2090	915	1495
2½	LSSUH310	16	2⅞	8½	3⅞	14-16d	12-10dx1½	1725	2620	1220	1850
3	LSSU210-2	16	3⅞	8½	2⅞	14-16d	12-10dx1½	1725	3055	1220	2160
3½	LSSU410	16	3⅞	8½	2⅝	14-16d	12-10dx1½	1725	3055	1220	2160
4	LSU4.12	14	4⅞	9	2¼	24-16d	16-10dx1½	1960	3765	1385	2665
4⅞	LSU4.28	14	4¼	9	2⅝	24-16d	16-10dx1½	1960	3765	1385	2665
4½ - 4¾	LSU3510-2	14	4¾	8⅞	3⅝	24-16d	16-10dx1½	1960	3765	1385	2665
5	LSU5.12	14	5⅞	9	2¼	24-16d	16-10dx1½	1285	2600	910	1835

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

1. Factored uplift resistances include a 15% increase for earthquake or wind loading; no further increase is allowed; reduce where other loads govern.
2. LSU3510-2, LSU4.12, LSU4.28 and LSU5.12 skew option must be factory-ordered.
3. Minimum 11" joist height for LSU3510-2, LSU4.12, LSU4.28 and LSU5.12; 9½" for all others.
4. **NAILS:** 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.