HHSUQ

Heavy Severe Skew Truss Hanger

The HHSUQ is a high-load, face-mount, truss-to-truss hanger designed to accommodate severe skews (45°–84°) for hip trusses, enabling a greater range of installation applications. Fastening the HHSUQ with Strong-Drive® SDS Heavy-Duty Connector screws makes installation fast and easy, while eliminating the inconvenience of bolted applications.

Material: Back plate — 3 gauge; stirrup — 7 gauge

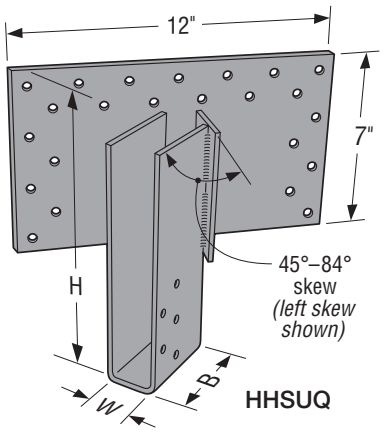
Finish: Simpson Strong-Tie gray paint

Installation: • Use all specified fasteners; see General Notes.

- The joist/truss end may be square cut or bevel cut. 3⅞" minimum heel height.
- Strong-Drive SDS Heavy-Duty Connector screws supplied for all round holes.
- All multiple members must be fastened together to act as a single unit.

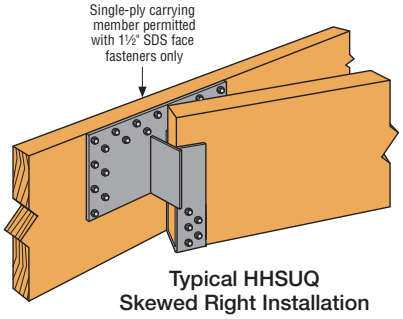
To Order: Left or right skew must be specified.

Codes: See p. 11 for Code Reference Key Chart



Model No.	Dimensions (in.)			SDS Fasteners		DF/SP Allowable Loads				SPF/HF Allowable Loads				Code Ref.
	W	H	B	Face	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
HHSUQ28-SDS	1⅝	7¼	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	4,215	4,405	4,530	1,005	3,025	3,160	3,250	
HHSUQ28-2-SDS	3⅝₁₆	7¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ210-SDS	1⅝	9¼	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	4,215	4,405	4,530	1,005	3,025	3,160	3,250	
HHSUQ210-2-SDS	3⅝₁₆	9¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ212-SDS	1⅝	11¼	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	4,215	4,405	4,530	1,005	3,025	3,160	3,250	
HHSUQ212-2-SDS	3⅝₁₆	11¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ214-SDS	1⅝	13¼	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	4,215	4,405	4,530	1,005	3,025	3,160	3,250	
HHSUQ48-SDS	3⅝	7¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	—
HHSUQ410-SDS	3⅝	9¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ412-SDS	3⅝	11¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ414-SDS	3⅝	13¼	3½	(23) ¼" x 3"	(5) ¼" x 3"	1,250	5,065	5,065	5,065	1,075	5,065	5,065	5,065	
HHSUQ1.81/7-SDS	1 ¹³⁄₁₆	7¼	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	5,065	5,065	5,065	1,005	5,065	5,065	5,065	
HHSUQ1.81/9-SDS	1 ¹³⁄₁₆	9½	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	5,065	5,065	5,065	1,005	5,065	5,065	5,065	
HHSUQ1.81/11-SDS	1 ¹³⁄₁₆	11⅞	3½	(23) ¼" x 3"	(5) ¼" x 1½"	1,170	5,065	5,065	5,065	1,005	5,065	5,065	5,065	

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Strong-Drive® SDS Heavy-Duty Connector screws that penetrate all plies of the supporting girder (screws must penetrate a minimum of 1" into the last truss ply) may also be used to transfer the load through all the plies of the supporting girder. When SDS Heavy-Duty Connector screws do not penetrate all plies of the supporting girder truss, supplemental SDS screws at the hanger locations may be required to transfer the load to the truss plies not penetrated by the face fasteners, as determined by the designer. 3"-long SDS screws in the face may be replaced with 4½"- or 6"-long SDS screws with no load reduction.
3. Loads shown are based on a minimum two-ply 2x8 carrying member. For single 2x carrying members, replace 3"-long Strong-Drive® SDS Heavy-Duty Connector screws with 1½"-long SDS screws and reduce the allowable download to 2,630 lb. for DF/SP and 1,895 lb. for SPF/HF. The tabulated allowable uplift load is not reduced.
4. Girders must have adequate lateral bracing to prevent excessive displacement due to secondary torsional stresses. (Refer to ANSI/TPI 1-2014, Section 7.5.3.5.)
5. Truss chord cross-grain tension may limit allowable loads. Designer to refer to ANSI/TPI, Section 7.5.3.2 for connection details, limitations, and reductions.
6. Strong-Drive® SDS Heavy-Duty Connector screws may be installed through metal truss plates as approved by the Truss Designer, provided the requirements of ANSI/TPI 1-2014, Sections 7.5.3.4 and 8.9.2 are met (predrilling required through the plate using a ⁵⁄₃₂" bit maximum).
7. For installations into LSL or PSL, use DF/SP table loads.
8. **Fasteners:** SDS screws are Simpson Strong-Tie® Strong-Drive® SDS Heavy-Duty Connector screws. See pp. 21–22 for fastener information.



Typical HHSUQ
Skewed Right Installation

Typical HHSUQL
Skewed Left Installation
with Min. Heel Height