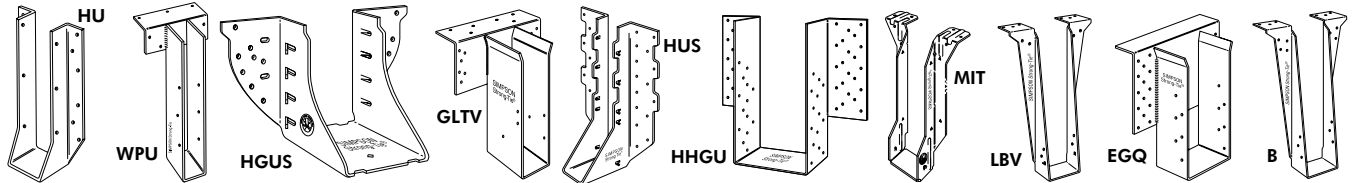




FRAMING CONNECTORS

FACE MOUNT HANGERS

Single Ply – 1 3/4" wide			Double Ply – 3 1/2" wide			Triple Ply – 5 1/4" wide			Quadruple Ply – 7" wide		
Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)
5 1/2"	HU1.81/5	2145	5 1/2"	HU46	1390	5 1/2"	HU66	1390	5 1/2"	See Simpson Wood Construction Connectors catalog for hanger solution	
7 1/4"	HU7	2145	7 1/4"	HHUS48	3885	7 1/4"	HU68	1875	7 1/4"	See Simpson Wood Construction Connectors catalog for hanger solution	
9 1/2"	HU9	3215	9 1/2"	HGUS48	3940	9 1/2"	HHUS5.50/10	5190	9 1/2"	HHUS7.25/10	5190
	HUS1.81/10	4900		HGUS410	5190		HGUS5.50/10	8780		HGUS7.25/10	8780
11 7/8"	HU11	4020	11 7/8"	HHUS410	5190	11 7/8"	HHUS5.50/10	5190	11 7/8"	HHUS7.25/10	5190
	HUS1.81/10	4900		HGUS412	9155		HGUS5.50/12	9155		HGUS7.25/12	9835
14"	HU14	4540	14"	HHUS410	5190	14"	HHUS5.50/10	5190	14"	HGUS7.25/14	11110
	HUS1.81/10	4900		HGUS414	10015		HGUS5.50/14	10015		HGU7.25-SDS	14060
16"	HU14	4540	16"	HHUS410	5190	16"	HHUS5.50/10	5190	16"	HGUS7.25/14	11110
				HGUS414	10015		HGUS5.50/14	10015		HHGU7.25-SDS	16700
18"	HU14	4540	18"	HHUS410	5190	18"	HGUS5.50/14	10015	18"	HGUS7.25/14	11110
				HGUS414	10015		HGU5.50-SDS	14060		HHGU7.25-SDS	16700



TOP FLANGE HANGERS

Single Ply – 1 3/4" wide			Double Ply – 3 1/2" wide			Triple Ply – 5 1/4" wide			Quadruple Ply – 7" wide		
Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)	Depth	Hanger	Load (100%)
5 1/2"	See Simpson Wood Construction Connectors catalog for hanger solution		5 1/2"	See Simpson Wood Construction Connectors catalog for hanger solution		5 1/2"	See Simpson Wood Construction Connectors catalog for hanger solution		5 1/2"	See Simpson Wood Construction Connectors catalog for hanger solution	
7 1/4"	LBV1.81/7.25	2910	7 1/4"	LBV3.56/7.25	2910	7 1/4"	WPU5.50/7.25	4700	7 1/4"	HWU7.12/7.25	6000
9 1/2"	MIT9.5	2550	9 1/2"	WPU3.56/7.25	4700	9 1/2"	HB5.50/7.25	5815	9 1/2"	HB7.12/9.5	5815
	LBV1.81/9.5	2910		LBV3.56/9.5	2910		HB5.50/9.5	5815		GLTV49.5-2	7500
11 7/8"	MIT11.88	2550	11 7/8"	BA3.56/11.88	4715	11 7/8"	HB5.50/11.88	5815	11 7/8"	HB7.12/11.88	5815
	BA1.81/11.88	4715		HB3.56/11.88	5815		HGLTV5.511	10500		EGQ7.25-SDS3	19800
14"	MIT1.81/14	2550	14"	BA3.56/14	4715	14"	HB5.50/14	5815	14"	GLTV414-2	7500
	B1.81X	4135		GLTV3.514	7500		EGQ5.50-SDS3	19800		EGQ7.25-SDS3	19800
16"	MIT1.81/16	2550	16"	BA3.56/16	4715	16"	HB5.50/16	5815	16"	HGLTV416-2	10500
	B1.81/16	4135		GLTV3.516	7500		EGQ5.50-SDS3	19800		EGQ7.25-SDS3	19800
18"	B1.81X	4135	18"	HB3.56/18	5815	18"	HGLTV5.518	10500	18"	HGLTV418-2	10500
				HGLTV3.518	10500		EGQ5.50-SDS3	19800		EGQ7.25-SDS3	19800

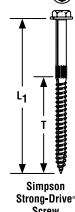
Hanger Notes:

- Loads listed address hanger/header/fastener limitations assuming header material is Douglas Fir-Larch LVL manufactured in the U.S. Joist reaction should be checked by a qualified designer to ensure proper hanger selection.
- HU hangers – fill all round and triangle holes for load values shown.
- Loads shown are gravity (floor) loads. Other load durations may apply, refer to the current version of Wood Construction Connectors for allowable increases.
- Top Flange Hanger configurations and thickness of Top Flange needs to be considered for flush frame conditions.

SIMPSON STRONG-DRIVE™ SCREWS

INSTALLATION

- Hex washer head allows for easy driving.
- No pre-drilling required.
- See illustrations below for SDS positioning on different assemblies.
- Install with high torque, low speed drill (5 amp+).
- Do not over-drive the SDS screws.

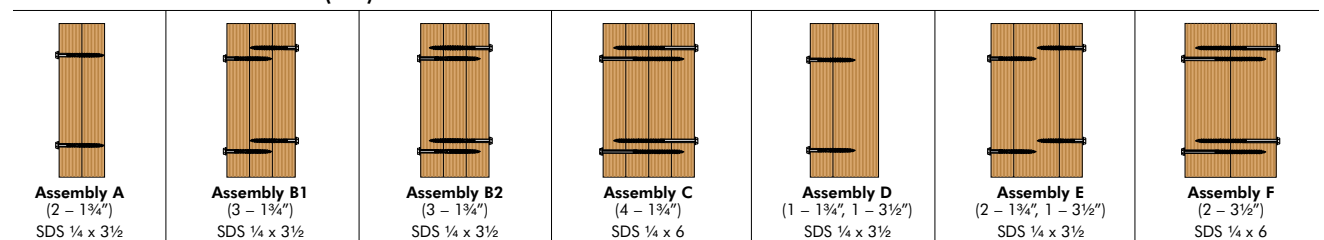


Model	L1	T	Head Stamp
SDS25312	3 1/2"	2 1/4"	S3.5
SDS25412	4 1/2"	2 3/4"	S4.5
SDS25600	6"	3 1/4"	S6

DESIGN

- Allowable load values are derived from testing based on ASTM D-1761. The Designer shall apply adjustment factors per current NDS. Loads shown are CD = 1.0. Increase as allowed per code to a maximum CD = 1.33.
- This document uses Douglas Fir-Larch values (G = 0.5), as per the manufacturer specifications.
- Loads shown are at 100%. Increase as allowed by code.
- The designer shall specify the location of all screws (stagger screws on opposite faces). Minimum recommended spacing—Wide Face: end distance 4", edge distance 1 1/2", spacing parallel to grain 4", spacing perpendicular to grain 2".
- Uniform loads in the table below are based on the capacity of the fasteners to transfer loads between plies. The capacity of the LVL beam may be less and should be checked by a qualified designer or with the manufacturer's literature.

LAMINATED VENEER LUMBER (LVL) ASSEMBLIES



MAXIMUM ALLOWABLE UNIFORM LOAD THAT CAN BE APPLIED TO EITHER OUTSIDE MEMBER (LBS PER LINEAL FOOT)

Assembly	Multiple Members Components	SDS Screws, 12" o.c.		SDS Screws, 18" o.c.		SDS Screws, 24" o.c.	
		2 Rows	3 Rows	2 Rows	3 Rows	2 Rows	3 Rows
A	2 pieces (all 1 3/4")	960	1440	720	1080	480	720
B1	3 pieces (all 1 3/4")	720	1080	540	810	360	540
B2	3 pieces (all 1 3/4")	1380	2070	1035	1550	690	1035
C	4 pieces (all 1 3/4")	1225	1840	920	1380	615	920
D	2 pieces (1 3/4" – 3 1/2")	720	1080	540	810	360	540
E	3 pieces (1 3/4" – 3 1/2" – 1 3/4")	640	960	480	720	320	480
F	2 pieces (3 1/2" – 3 1/2")	960	1440	720	1080	480	720

- If 7" wide beams are not equally loaded on each side, the plf load from the lesser side should be at least 25% of the opposite side.
- Quantity and spacing of screws in table are for each screw head side of the assembly as shown in the assembly figures above.
- The design professional shall ensure that adequate lateral bracing is provided to prevent displacement of the beam due to the torsion created by the structural members framing into the side of the beam assembly.