

HUSTF Heavy Duty and Double Shear Joist Hangers

See dimensions, material, loads on table pages.
HUSTF has the double shear nailing advantage – distributing the joist load through two points on each nail for greater strength.

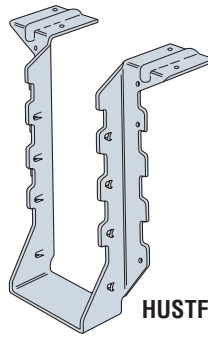
FINISH: Galvanized. Some products available with ZMAX® coating. See Corrosion Information, page 10-11.

INSTALLATION:

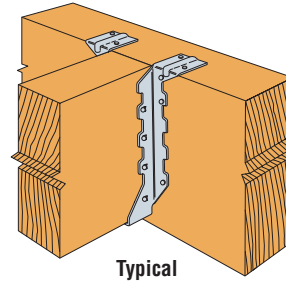
- Use all specified fasteners. See General Notes.
- Not acceptable for nailer or welded applications; see W and B hangers.
- HUSTF—With 3x carrying members, use 16d x 2½" nails into the header and 16d commons into the joist.

OPTIONS:

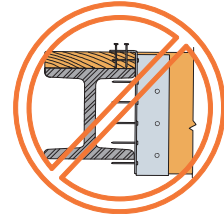
- See Hanger Options on page 183 for skewed hangers.
- Available with flanges turned in (2-2x and 4x only for HUSCTF).



HUSTF

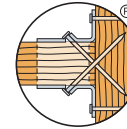


Typical HUSTF Installation



Nailer application is NOT acceptable. Fasteners cannot be installed

Some model configurations may differ from those shown. Production models have projected seats. Square cut seats may be ordered. Contact Simpson Strong-Tie for details.

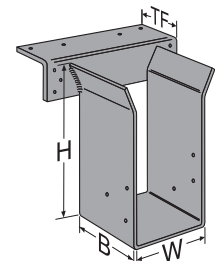


Double Shear Nailing Top View

Solid Sawn Lumber Connectors

TOP FLANGE HANGERS – SOLID SAWN LUMBER

JOIST SIZE	Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance				Installed Cost Index
			W	H	B	TF	Header	Joist	D. Fir-L		S-P-F		
									Uplift (K _D = 1.15) lbs	Normal (K _D = 1.00) lbs	Uplift (K _D = 1.15) kN	Normal (K _D = 1.00) kN	
SAWN LUMBER SIZES													
2x6	JB26	18	1 1/16	5 3/8	1 1/2	1 1/16	4-10d	2-PRONG	—	1595	—	1250	Lowest
	LB26	14	1 1/16	5 3/8	1 1/2	1 1/2	4-16d	2-10dx1 1/2	545	2260	390	1405	
	W26	12	1 1/16	5 3/8	2 1/2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	+ 890 %
	WM26	12	1 1/16	5 3/8	4 1/2	3 3/4	2-16d DPLX	2-10dx1 1/2	—	5955	—	4480	*
DBL 2x6	HUS26-2TF	14	3 1/8	5 3/8	2	1 3/4	6-16d	4-16d	1860	4355	1315	3165	Lowest
	WNP26-2	12	3 1/8	5 3/8	2 1/2	2 3/16	2-10d	2-10d	—	4095	—	3550	+ 33 %
	WM26-2	12	3 1/8	5 3/8	2 1/2	3 3/4	2-16d DPLX	2-10d	—	6060	—	4945	*
2x8	JB28	18	1 1/16	7 1/4	1 1/2	1 1/16	4-10d	2 PRONG	—	1555	—	1215	Lowest
	LB28	14	1 1/16	7 1/4	1 1/2	1 1/2	4-16d	2-10dx1 1/2	545	2080	390	1290	
	W28	12	1 1/16	7 1/8	2 1/2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	+ 570 %
	WM28	12	1 1/16	7 1/8	4 1/2	3 3/4	2-16d DPLX	2-10dx1 1/2	—	5955	—	4480	*
DBL 2x8	HUS28-2TF	14	3 1/8	7 1/4	2	1 7/8	8-16d	6-16d	2335	6055	1650	4380	Lowest
	WNP28-2	12	3 1/8	7 1/8	2 1/2	2 3/16	2-10d	2-10d	—	4095	—	3550	+ 16 %
	WM28-2	12	3 1/8	7 1/8	2 1/2	3 3/4	2-16d DPLX	2-10d	—	6060	—	4945	*
2x10	JB210	18	1 1/16	9 1/4	2	1 1/16	4-16d	2 PRONG	—	1945	—	1520	Lowest
	LB210	14	1 1/16	9 1/4	2	1 1/2	4-16d	2-10dx1 1/2	545	2540	390	1575	
	W210	12	1 1/16	9 3/8	2 1/2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	+ 360 %
	WM210	12	1 1/16	9 3/8	4 1/2	3 3/4	2-16d DPLX	2-10dx1 1/2	—	5955	—	4480	*



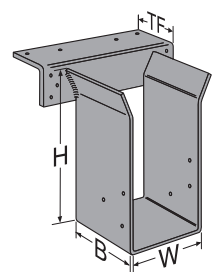
1. Factored uplift resistances have been increased 15% for earthquake or wind loading with no further increase allowed. Reduce by 15% for standard term loading such as in cantilever construction.

2. **NAILS:** 16d = 0.162" dia. x 3 1/2" long, 10d = 0.148" dia. x 3" long, 10dx1 1/2 = 0.148" dia. x 1 1/2" long. See page 16-17 for other nail sizes and information.

* Hangers do not have an Installed Cost Index.

TOP FLANGE HANGERS – SOLID SAWN LUMBER

JOIST SIZE	Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance				Installed Cost Index
			W	H	B	TF	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										
SAWN LUMBER SIZES													
DBL 2x10	HUS210-2TF	14	3 1/8	9 1/4	2	1 1/2	10-16d	8-16d	3245	7165	2950	5175	Lowest
									14.45	31.92	13.14	23.05	
	WNP210-2	12	3 1/8	9 1/8	2 1/2	2 3/16	2-10d	2-10d	—	4095	—	3550	+ 9 %
									—	18.24	—	15.81	*
WM210-2	12	3 1/8	9 1/8	2 1/2	3 3/4	2-16d DPLX	2-10d	—	6060	—	4945		
									—	26.99	—	22.03	
2x12	JB212	18	1 9/16	11 1/8	2	1 3/16	6-16d	2 PRONG	—	2315	—	1815	Lowest
									—	10.31	—	8.08	
	LB212	14	1 9/16	11 1/8	2	1 1/2	4-16d	2-10dx1 1/2	545	2590	390	1610	+ 27 %
									2.43	11.54	1.74	7.17	
W212	12	1 9/16	11	2 1/2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	+ 317 %	
									—	13.00	—	10.58	*
WM212	12	1 9/16	11	4 1/2	3 3/4	2-16d DPLX	2-10dx1 1/2	—	5955	—	4480		
									—	26.53	—	19.96	
DBL 2x12	HUS212-2TF	14	3 1/8	11 1/8	2	2 1/4	10-16d	8-16d	2945	7165	2665	5275	Lowest
									13.12	31.92	11.87	23.50	
	WNP212-2	12	3 1/8	11	2 1/2	2 3/16	2-10d	2-10d	—	4095	—	3550	+ 12 %
									—	13.00	—	15.81	*
WM212-2	12	3 1/8	11	2 1/2	3 3/4	2-16dDPLX	2-10d	—	6060	—	4945		
									—	26.99	—	22.03	
3x6	W36	12	2 9/16	5 3/8	2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	*
									—	13.00	—	10.58	
	WM36	12	2 9/16	5 3/8	3	3 3/4	2-16dDPLX	2-10dx1 1/2	—	6060	—	4945	*
									—	26.99	—	22.03	
3x8	B38	12	2 9/16	7 1/8	2 1/2	2 1/2	14-16d	6-16dx2 1/2	1630	5940	1155	3910	*
									7.26	26.46	5.16	17.42	
	W38	12	2 9/16	7 1/8	2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	*
									—	13.00	—	10.58	
	WM38	12	2 9/16	7 1/8	3	3 3/4	2-16dDPLX	2-10dx1 1/2	—	6060	—	4945	*
									—	26.99	—	22.03	
3x10	B310	12	2 9/16	9 1/8	2 1/2	2 1/2	14-16d	6-16dx2 1/2	1630	5940	1155	3910	*
									7.26	26.46	5.16	17.42	
	W310	12	2 9/16	9 1/8	2	2 1/2	2-10d	2-10dx1 1/2	—	2920	—	2375	*
									—	13.00	—	10.58	
	WM310	12	2 9/16	9 1/8	3	3 3/4	2-16dDPLX	2-10dx1 1/2	—	6060	—	4945	*
									—	26.99	—	22.03	
3x12	B312	12	2 9/16	11	2 1/2	2 1/2	14-16d	6-16dx2 1/2	1630	5940	11.55	3910	*
									7.26	26.46	5.16	17.42	
	WNP312	12	2 9/16	11	2 1/2	2 3/16	2-10d	2-10dx1 1/2	—	4095	—	3550	*
									—	18.24	—	15.81	
	WM312	12	2 9/16	11	3	3 3/4	2-16dDPLX	2-10dx1 1/2	—	6060	—	4945	*
									—	26.99	—	22.03	
4x6	HUS46TF	14	3 9/16	5 3/8	2	1 1/2	6-16d	4-16d	1860	4355	1315	3145	Lowest
									8.29	19.40	5.86	14.01	
	W46	12	3 9/16	5 3/8	2 1/2	2 1/2	2-10d	2-10d	—	2920	—	2375	+ 12 %
										—	13.00	—	
HW46	11	3 9/16	5 3/8	2 1/2	2 1/2	4-10d	2-10d	—	7040	—	5285	+ 83 %	
									—	31.36	—		23.54
	WM46	12	3 9/16	5 3/8	2 1/2	3 3/4	2-16dDPLX	2-10d	—	6060	—	5710	*
									—	26.99	—	25.43	
4x8	BA48 (min)	14	3 9/16	7 1/8	3	2 1/2	16-16d	2-10dx1 1/2	435	4990	310	4370	Lowest
									1.94	22.23	1.38	19.47	
	BA48 (max)	14	3 9/16	7 1/8	2 1/2	2 1/2	16-16d	8-10dx1 1/2	1915	5940	1360	4370	+ 7 %
									8.53	26.46	6.05	19.47	
	B48	12	3 9/16	7 1/8	2 1/2	2 1/2	14-16d	6-16d	1630	5940	11.55	3910	Lowest
									7.26	26.46	5.16	17.42	
	HUS48TF	14	3 9/16	7 1/4	2	1 1/16	8-16d	6-16d	2335	6055	1650	4355	+ 6 %
								10.40	26.97	7.35	19.40		
W48	12	3 9/16	7 1/8	2 1/2	2 1/2	2-10d	2-10d	—	2920	—	2375	+ 23 %	
									—	13.00	—		10.58
HW48	11	3 9/16	7 1/8	2 1/2	2 1/2	4-10d	2-10d	—	6900	—	5285	+ 84 %	
									—	30.73	—		23.54
	WM48	12	3 9/16	7 1/8	2 1/2	3 3/4	2-16dDPLX	2-10d	—	6060	—	5710	*
									—	26.99	—	25.43	



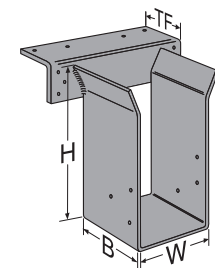
Catalogue C-CAN08 © 2008 SIMPSON STRONG-TIE COMPANY INC.

See footnotes on page 64.

TOP FLANGE HANGERS – SOLID SAWN LUMBER (DF/SP)

Solid Sawn Lumber Connectors

JOIST SIZE	Model No.	Ga	Dimensions (in)				Fasteners		Factored Resistance				Installed Cost Index
			W	H	B	TF	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										
SAWN LUMBER SIZES													
4x10	BA410 (min)	14	3 ³ / ₁₆	9 ¹ / ₄	3	2 ¹ / ₂	16-16d	2-10dx1 ¹ / ₂	435 1.94	4990 22.23	310 1.38	4370 19.47	Lowest
	BA410 (max)	14	3 ³ / ₁₆	9 ¹ / ₄	3	2 ¹ / ₂	16-16d	8-10dx1 ¹ / ₂	1915 8.53	5940 26.46	1360 6.05	4370 19.47	+ 7 %
	HUS410TF	14	3 ³ / ₁₆	9 ¹ / ₄	2	1 ¹ / ₄	10-16d	8-16d	3665 16.33	7225 32.18	3100 13.81	5175 23.05	Lowest
	B410	12	3 ³ / ₁₆	9 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	14-16d	6-16d	1630 7.26	5940 26.46	1155 5.16	3910 17.12	+ 12 %
	W410	12	3 ³ / ₁₆	9 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	2-10d	2-10d	— —	2920 13.00	— —	2375 10.58	+ 23 %
	HW410	11	3 ³ / ₁₆	9 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	4-10d	2-10d	— —	6900 30.73	— —	5285 23.54	+ 89 %
	WM410	12	3 ³ / ₁₆	9 ⁵ / ₈	2 ¹ / ₂	3 ³ / ₄	2-16dDPLX	2-10d	— —	6060 26.99	— —	5710 25.43	*
	GLT4	7	3 ³ / ₁₆	7 ¹ / ₂ Min	5	2 ¹ / ₂	10-N54A	6-N54A	2905 12.94	9625 42.87	1935 8.62	5225 23.27	*
	HGLT4	7	3 ³ / ₁₆	7 ¹ / ₂ Min	6	2 ¹ / ₂	18-N54A	6-N54A	2905 12.94	14885 66.30	1935 8.62	10670 47.53	*
4x12	BA412 (min)	14	3 ³ / ₁₆	11	3	2 ¹ / ₂	16-16d	2-10dx1 ¹ / ₂	435 1.94	4990 22.23	310 1.38	4370 19.47	Lowest
	BA412 (max)	14	3 ³ / ₁₆	11	3	2 ¹ / ₂	16-16d	8-10dx1 ¹ / ₂	1915 8.53	5940 26.46	1360 6.05	4370 19.47	+ 6 %
	HUS412TF	14	3 ³ / ₁₆	11 ⁵ / ₈	2	2	10-16d	8-16d	3355 14.94	7225 32.18	3050 13.59	5265 23.45	Lowest
	B412	12	3 ³ / ₁₆	11	2 ¹ / ₂	2 ¹ / ₂	14-16d	6-16d	1630 7.26	5940 26.46	1155 5.16	3910 17.12	+ 12 %
	WNP412	12	3 ³ / ₁₆	11	2 ¹ / ₂	2 ³ / ₁₆	2-10d	2-10d	— —	4095 18.24	— —	3550 15.81	+ 16 %
	HW412	11	3 ³ / ₁₆	11	2 ¹ / ₂	2 ¹ / ₂	4-10d	2-10d	— —	6900 30.73	— —	5285 23.54	+ 89 %
	HB412	10	3 ³ / ₁₆	11	3 ¹ / ₂	3	22-16d	10-16d	3300 14.70	9335 41.58	2345 10.43	5945 26.48	+ 143 %
	WM412	12	3 ³ / ₁₆	11	2 ¹ / ₂	3 ³ / ₄	2-16dDPLX	2-10d	— —	6060 26.99	— —	5710 25.43	*
	GLT4	7	3 ³ / ₁₆	7 ¹ / ₂ Min	5	2 ¹ / ₂	10-N54A	6-N54A	2905 12.94	9625 42.87	1935 8.62	5225 23.27	*
HGLT4	7	3 ³ / ₁₆	7 ¹ / ₂ Min	6	2 ¹ / ₂	18-N54A	6-N54A	2905 12.94	14885 66.30	1935 8.62	10670 47.53	*	
6x6	WNP66	12	5 ¹ / ₂	5 ⁵ / ₈	2 ¹ / ₂	2 ⁵ / ₁₆	3-10d	2-10d	— —	4095 18.24	— —	3550 15.81	*
	WM66	12	5 ¹ / ₂	5 ⁵ / ₈	2 ¹ / ₂	3 ³ / ₄	2-16dDPLX	2-10d	— —	6060 26.99	— —	5710 25.43	*
	HW66	11	5 ¹ / ₂	5 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	4-10d	2-10d	— —	6900 30.73	— —	5285 23.54	*
6x8	WNP68	12	5 ¹ / ₂	7 ⁵ / ₈	2 ¹ / ₂	2 ⁵ / ₁₆	3-10d	2-10d	— —	4095 18.24	— —	3550 15.81	*
	WM68	12	5 ¹ / ₂	7 ⁵ / ₈	2 ¹ / ₂	3 ³ / ₄	2-16dDPLX	2-10d	— —	6060 26.99	— —	5710 25.43	*
	HHB68	7	5 ¹ / ₂	7 ⁵ / ₈	3	2 ¹ / ₂	4-N54A	2-N54A	1295 5.77	5755 25.63	1005 4.48	4195 18.69	*
	HW68	11	5 ¹ / ₂	7 ⁵ / ₈	2 ¹ / ₂	2 ¹ / ₂	4-10d	2-10d	— —	6900 30.73	— —	5285 23.54	*



1. N54A fasteners are supplied with hangers.
 2. Factored uplift resistances have been increased 15% for earthquake or wind loading with no further increase allowed. Reduce by 15% for standard term loading such as in cantilever construction.

3. **NAILS:** 16d = 0.162" dia. x 3¹/₂" long, 10d = 0.148" dia. x 3" long, 10dx1¹/₂ = 0.148" dia. x 1¹/₂" long. See page 16-17 for other nail sizes and information.

* Hangers do not have an Installed Cost Index.

