Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

Visit **app.strongtie.com/hs** to learn more about our Hanger Selector web application.

These products are available with additional corrosion protection. For more information, see p. 16.

Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
Sawn Lumber Sizes														
2x4	PF24	18	1⁹⁄₁₆	3⁷⁄₁₆	1½	1¹⁄₁₆	(2) 0.148 x 3	(2) 0.148 x 3	300	1,255	1,255	1,255	Lowest	IBC®, FL, LA
	HU24TF	12	1⁹⁄₁₆	3⁷⁄₁₆	2¼	2⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	190	1,865	1,865	1,865	850%	
DBL 2x4	HU24-2TF	12	3⅛	3⁷⁄₁₆	2½	2½	(8) 0.162 x 3½	(2) 0.148 x 3	370	2,050	2,050	2,050	Lowest	
2x6	JB26	18	1⁹⁄₁₆	5⅜	1½	1⁵⁄₁₆	(4) 0.148 x 3	(2) Prong	—	995	995	995	Lowest	
	LB26	14	1⁹⁄₁₆	5⅜	1½	1½	(4) 0.162 x 3½	(2) 0.148 x 1½	380	1,135	1,135	1,135	117%	
	HU26TF	12	1⁹⁄₁₆	5⅜	2¼	2⁷⁄₁₆	(10) 0.162 x 3½	(4) 0.148 x 1½	660	2,550	2,550	2,550	568%	
DBL 2x6	HUS26-2TF	14	3⅛	5⅜	2	1¾	(6) 0.162 x 3½	(4) 0.162 x 3½	1,200	2,440	2,440	2,440	Lowest	
	WP26-2	12	3⅛	5⅜	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	33%	
	HU26-2TF	12	3⅛	5⅜	2½	2½	(10) 0.162 x 3½	(4) 0.148 x 3	815	2,785	2,785	2,785	87%	
2x8	JB28	18	1⁹⁄₁₆	7¼	1½	1⁵⁄₁₆	(4) 0.148 x 3	(2) Prong	—	955	955	955	Lowest	
	LB28	14	1⁹⁄₁₆	7¼	1½	1½	(4) 0.162 x 3½	(2) 0.148 x 1½	380	1,135	1,135	1,135	98%	
	HU28TF	12	1⁹⁄₁₆	7⅛	2¼	2⁷⁄₁₆	(10) 0.162 x 3½	(4) 0.148 x 1½	700	2,910	2,970	3,010	563%	
DBL 2x8	HUS28-2TF	14	3⅛	7¼	2	1⅞	(8) 0.162 x 3½	(6) 0.162 x 3½	1,765	3,400	3,400	3,400	Lowest	
	WP28-2	12	3⅛	7⅛	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	16%	
	HU28-2TF	12	3⅛	7⅛	2½	2½	(12) 0.162 x 3½	(4) 0.148 x 3	815	3,265	3,265	3,265	75%	
2x10	JB210A	18	1⁹⁄₁₆	9³⁄₁₆	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	260	1,685	1,685	1,685	*	
	LB210AZ	14	1⁹⁄₁₆	9³⁄₁₆	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	355	1,865	1,865	1,865	*	
	HU210TF	12	1⁹⁄₁₆	9⅛	2¼	2⁷⁄₁₆	(12) 0.162 x 3½	(4) 0.148 x 1½	700	2,910	2,970	3,010	359%	
DBL 2x10	BA210-2	14	3⅛	9⅛	3	2½	(16) 0.162 x 3½	(8) 0.148 x 3	1,275	4,720	4,720	4,720	*	
	HUS210-2TF	14	3⅛	9¼	2	1½	(10) 0.162 x 3½	(8) 0.162 x 3½	2,315	3,735	4,065	4,275	Lowest	
	WP210-2	12	3⅛	9⅛	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	9%	
	HU210-2TF	12	3⅛	9⅛	2½	2½	(14) 0.162 x 3½	(6) 0.148 x 3	1,220	3,945	3,945	3,945	67%	
TPL 2x10	HU210-3TF	12	4¹¹⁄₁₆	9⅛	2½	2½	(14) 0.162 x 3½	(6) 0.162 x 3½	1,420	3,945	3,945	3,945	Lowest	
2x12	JB212A	18	1⁹⁄₁₆	11⅞	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	260	1,685	1,685	1,685	*	
	LB212AZ	14	1⁹⁄₁₆	11⅞	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	355	1,865	1,865	1,865	*	
	HU212TF	12	1⁹⁄₁₆	11	2¼	2⁷⁄₁₆	(14) 0.162 x 3½	(6) 0.148 x 1½	700	3,070	3,070	3,070	339%	
DBL 2x12	HUS212-2TF	14	3⅛	11⅞	2	2¼	(10) 0.162 x 3½	(8) 0.162 x 3½	2,080	4,375	4,375	4,375	Lowest	
	WP212-2	12	3⅛	11	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	12%	
	HU212-2TF	12	3⅛	11	2½	2½	(16) 0.162 x 3½	(6) 0.148 x 3	1,220	4,590	4,590	4,590	48%	
TPL 2x12	HU212-3TF	12	4¹¹⁄₁₆	11	2½	2½	(16) 0.162 x 3½	(6) 0.162 x 3½	1,420	4,590	4,590	4,590	Lowest	
2x14	JB214A	18	1⁹⁄₁₆	13⅛	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	260	1,685	1,685	1,685	*	
	LB214AZ	14	1⁹⁄₁₆	13⅛	2	1⁷⁄₁₆	(6) 0.162 x 3½	(2) 0.148 x 1½	355	1,865	1,865	1,865	*	
	HU214TF	12	1⁹⁄₁₆	13	2¼	2½	(16) 0.162 x 3½	(6) 0.148 x 1½	1,140	2,955	3,045	3,110	189%	
DBL 2x14	HUS214-2TF	14	3⅛	13⅛	2	2¼	(12) 0.162 x 3½	(8) 0.162 x 3½	2,715	4,065	4,065	4,065	Lowest	
	WP214-2	12	3⅛	13	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	2%	
	HU214-2TF	12	3⅛	13	2½	2½	(18) 0.162 x 3½	(8) 0.148 x 3	1,330	4,030	4,030	4,030	33%	
TPL 2x14	HU214-3TF	12	4¹¹⁄₁₆	13	2½	2½	(18) 0.162 x 3½	(8) 0.162 x 3½	1,560	4,030	4,030	4,030	Lowest	
2x16	LB216	14	1⁹⁄₁₆	15⅛	2	1½	(4) 0.162 x 3½	(2) 0.148 x 1½	380	1,480	1,480	1,480	Lowest	
	HU216TF	12	1⁹⁄₁₆	15	2¼	2½	(18) 0.162 x 3½	(8) 0.148 x 1½	1,065	3,235	3,360	3,440	199%	

See footnotes on p. 138.

Codes: See p. 13 for Code Reference Key Chart

Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

These products are available with additional corrosion protection. For more information, see p. 16.

Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
Sawn Lumber Sizes														
DBL 2x16	WP216-2	12	3⅛	15	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	Lowest	IBC®, FL, LA
	HU216-2TF	12	3⅛	15	2½	2½	(20) 0.162 x 3½	(8) 0.148 x 3	1,400	4,050	4,050	4,050	34%	
TPL 2x16	HU216-3TF	12	4⅛16	15	2½	2½	(20) 0.162 x 3½	(8) 0.162 x 3½	1,640	4,050	4,050	4,050	Lowest	
3x4	HU34TF	12	2⅜16	3⅞16	2½	2½	(8) 0.162 x 3½	(2) 0.148 x 1½	370	2,050	2,050	2,050	*	
3x6	HU36TF	12	2⅜16	5⅜	2½	2½	(10) 0.162 x 3½	(4) 0.148 x 1½	705	2,785	2,785	2,785	*	
3x8	HU38TF	12	2⅜16	7⅛	2½	2½	(12) 0.162 x 3½	(4) 0.148 x 1½	640	3,265	3,265	3,265	*	
3x10	BA310	14	2⅜16	9⅛	3	2½	(16) 0.162 x 3½	(8) 0.148 x 3	1,275	4,720	4,720	4,720	*	
	HU310TF	12	2⅜16	9⅛	2½	2½	(14) 0.162 x 3½	(6) 0.148 x 1½	1,220	3,945	3,945	3,945	*	
3x12	WP312	12	2⅜16	11⅞	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 1½	—	2,985	2,985	2,985	*	
	HU312TF	12	2⅜16	11	2½	2½	(16) 0.162 x 3½	(6) 0.148 x 1½	1,140	4,590	4,590	4,590	*	
3x14	WP314	12	2⅜16	13⅛16	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 1½	—	2,985	2,985	2,985	*	
	HU314TF	12	2⅜16	13	2½	2½	(18) 0.162 x 3½	(8) 0.148 x 1½	1,065	4,030	4,030	4,030	*	
3x16	WP316	12	2⅜16	15	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 1½	—	2,985	2,985	2,985	*	
4x3	HU43TF	12	3⅜16	3	2½	2½	(8) 0.162 x 3½	(2) 0.148 x 3	330	2,600	2,600	2,600	*	—
4x4	HU44TF	12	3⅜16	3⅞16	2½	2½	(8) 0.162 x 3½	(2) 0.148 x 3	370	2,050	2,050	2,050	Lowest	IBC, FL, LA
4x6	HU46TF	12	3⅜16	5⅜	2½	2½	(10) 0.162 x 3½	(4) 0.148 x 3	815	2,785	2,785	2,785	28%	
	WP46	12	3⅜16	5⅞16	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 1½	—	2,985	2,985	2,985	*	
4x8	BA48 (Min.)	14	3⅜16	7⅛	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	3,205	3,205	3,205	Lowest	
	BA48 (Max.)	14	3⅜16	7⅛	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,720	4,720	4,720	7%	
	HU48TF	12	3⅜16	7⅛	2½	2½	(12) 0.162 x 3½	(4) 0.148 x 3	815	3,265	3,265	3,265	95%	
	WP48	12	3⅜16	7⅛	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 1½	—	2,985	2,985	2,985	*	
4x10	BA410 (Min.)	14	3⅜16	9⅛	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	3,205	3,205	3,205	Lowest	
	BA410 (Max.)	14	3⅜16	9⅛	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,720	4,720	4,720	7%	
	HU410TF	12	3⅜16	9⅛	2½	2½	(14) 0.162 x 3½	(6) 0.148 x 3	1,220	3,945	3,945	3,945	86%	
	HWPH410	12	3⅜16	9⅛	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,955	3,955	3,955	*	
	HB410	10	3⅜16	9⅛	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT4 H = 9⅛	7	3⅜16	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
4x12	BA412 (Min.)	14	3⅜16	11	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	3,870	3,870	3,870	Lowest	
	BA412 (Max.)	14	3⅜16	11	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,720	4,720	4,720	6%	
	WP412	12	3⅜16	11⅞	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	32%	
	HU412TF	12	3⅜16	11	2½	2½	(16) 0.162 x 3½	(6) 0.148 x 3	1,220	4,590	4,590	4,590	84%	
	HWPH412	12	3⅜16	11⅞	3¼	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,955	3,955	3,955	*	
	HB412	10	3⅜16	11⅞	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT4 H = 11⅞	7	3⅜16	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
4x14	WP414	12	3⅜16	13⅛16	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	13%	
	HU414TF	12	3⅜16	13	2½	2½	(18) 0.162 x 3½	(8) 0.148 x 3	1,330	4,030	4,030	4,030	89%	
	HB414	10	3⅜16	13	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH414	7	3⅜16	13⅛16	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HGLT4 H = 13⅛16	7	3⅜16	7 to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
4x16	WP416	12	3⅜16	15⅛16	2½	2⅜16	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	Lowest	
	HU416TF	12	3⅜16	15	2½	2½	(20) 0.162 x 3½	(8) 0.148 x 3	1,400	4,050	4,050	4,050	81%	
	HB416	10	3⅜16	15	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH416	7	3⅜16	15	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HGLT4 H = 15	7	3⅜16	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	

See footnotes on p. 138.

Codes: See p. 13 for Code Reference Key Chart

Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

These products are available with additional corrosion protection. For more information, see p. 16.

Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
Sawn Lumber Sizes														
6x6	WP66	12	5⁹⁄₁₆	5⁷⁄₁₆	2½	2⁵⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	*	IBC®, FL, LA
	HU66TF	12	5½	5⅜	2½	2½	(10) 0.162 x 3½	(4) 0.162 x 3½	945	2,785	2,785	2,785	*	
	HWP66	12	5½	5⅜	3	2⅛	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,955	3,955	3,955	*	
6x8	WP68	12	5⁹⁄₁₆	7⅛	2½	2⁵⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
	HU68TF	12	5½	7⅛	2½	2½	(12) 0.162 x 3½	(4) 0.162 x 3½	945	3,265	3,265	3,265	*	
	HWP68	12	5⅝	7⅛	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,955	3,955	3,955	*	
6x10	WP610	12	5⁹⁄₁₆	9⅛	2½	2⁵⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
	HU610TF	12	5½	9⅛	2½	2½	(14) 0.162 x 3½	(6) 0.162 x 3½	1,420	3,945	3,945	3,945	*	
	HWPH610	7	5½	9⅛	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HB610	10	5⁹⁄₁₆	9³⁄₁₆	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 9⅛	7	5⁹⁄₁₆	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x12	HWPH612	7	5½	11⅛	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HU612TF	12	5½	11	2½	2½	(16) 0.162 x 3½	(6) 0.162 x 3½	1,420	4,590	4,590	4,590	*	
	HB612	10	5⁹⁄₁₆	11⅛	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 11⅛	7	5⁹⁄₁₆	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x14	HWPH614	7	5½	13⁵⁄₁₆	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HU614TF	12	5½	13	2½	2½	(18) 0.162 x 3½	(8) 0.162 x 3½	1,560	4,030	4,030	4,030	*	
	HB614	10	5⁹⁄₁₆	13	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 13⁵⁄₁₆	7	5⁹⁄₁₆	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x16	HWPH616	7	5½	15	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
	HU616TF	12	5½	15	2½	2½	(20) 0.162 x 3½	(8) 0.162 x 3½	1,640	4,050	4,050	4,050	*	
	HB616	10	5⁹⁄₁₆	15	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 15	7	5⁹⁄₁₆	7½ to 33	6	2½	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
8x8	WP7.50 H = 7.25	12	7½	7½ to 30	2½	2³⁄₁₆	(4) 0.148 x 2½	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
8x10	HB7.50X H = 9³⁄₁₆	10	7½	8 to 28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH810	7	7½	9³⁄₁₆	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
8x12	HB7.50X H = 11⅛	10	7½	8 to 28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH812	7	7½	11⅛	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
8x14	HB7.50X H = 13⁵⁄₁₆	10	7½	8 to 28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH814	7	7½	13⁵⁄₁₆	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	
8x16	HB7.50X H = 15	10	7½	8 to 28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,395	5,395	5,395	*	
	HWPH816	7	7½	15	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	5,920	5,920	5,920	*	

1. Uplift loads have been increased for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction, refer to the Simpson Strong-Tie Hanger Selector web application or conservatively divide the uplift load by 1.6.
2. N54A fasteners are supplied with hangers.
3. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
4. HGLT information can be found on pp. 180–181.
5. Hangers with an "*" do not have an Installed Cost Index.
6. **Fasteners:** Nail dimensions in the table are listed diameter by length. See pp. 23–24 for fastener information.

Codes: See p. 13 for Code Reference Key Chart

Specify joist-to-beam connections by visiting **app.strongtie.com/hs** to access our Hanger Selector web application.