

# FACE MOUNT HANGERS – STRUCTURAL COMPOSITE LUMBER

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

CODES: See page 12 for Code Reference Key Chart.

Actual Joist Size	Model No.	Ga	Dimensions				Min/Max	Fasteners		Allowable Loads							Code Ref.
			W	H	B	Face		Joist	DF/SP Species Header				SPF/HF Species Header				
									Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Floor (100)	Snow (115)	Roof (125)		
1 3/4 x 5 1/2	HU1.81/5	14	1 13/16	5 3/8	2 1/2	Min	12-16d	4-10dx1 1/2	575	1610	1850	2010	1390	1600	1740	170	
			1 13/16	5 3/8	2 1/2	Max	16-16d	6-10dx1 1/2	865	2145	2465	2680	1855	2135	2320		
1 3/4 x 7 1/4	HU7	14	1 13/16	6 1 1/16	2 1/2	Min	12-16d	4-10dx1 1/2	575	1610	1850	2010	1390	1600	1740	I9, F8	
			1 13/16	6 1 1/16	2 1/2	Max	16-16d	8-10dx1 1/2	1150	2145	2465	2680	1855	2135	2320		
1 3/4 x 9 1/2	HUS1.81/10	16	1 13/16	8 7/8	3	—	30-16d	10-16d	3000	4900	5045	5145	4355	5010	5145	F23	
	HU9	14	1 13/16	9 5/16	2 1/2	Min	18-16d	6-10dx1 1/2	865	2410	2775	3015	2090	2400	2610	I9, F8	
	HUCQ1.81/9-SDS		1 13/16	9 5/16	2 1/2	Max	24-16d	10-10dx1 1/2	1440	3215	3700	4020	2785	3200	3480		
1 3/4 x 11 1/4 - 11 3/8	HUS1.81/10	16	1 13/16	8 7/8	3	—	30-16d	10-16d	3000	4900	5045	5145	4355	5010	5145	F23	
	HU11	14	1 13/16	11 1/16	2 1/2	Min	22-16d	6-10dx1 1/2	865	2950	3390	3685	2550	2935	3190		170
	HUCQ1.81/11-SDS		1 13/16	11 1/16	2 1/2	Max	30-16d	10-10dx1 1/2	1440	4020	4315	4405	3480	4000	4350		
	HUCQ1.81/11-SDS	14	1 13/16	11	3	—	10-SDS 1/4"x1 3/4"	4-SDS 1/4"x1 3/4"	1505	2500	2875	3125	1800	2070	2250	F23	
1 3/4 x 14	HUS1.81/10	16	1 13/16	8 7/8	3	—	30-16d	10-16d	3000	4900	5045	5145	4355	5010	5145	F23	
	U14	14	1 13/16	10 3/4	2	—	14-16d	6-10dx1 1/2	865	1860	2140	2330	1610	1850	2010		I9, F8
	HU14		1 13/16	13 1 1/16	2 1/2	Min	28-16d	8-10dx1 1/2	1150	3750	4110	4180	3250	3735	4060		
	HUCQ1.81/11-SDS	14	1 13/16	13 1 1/16	2 1/2	Max	36-16d	14-10dx1 1/2	2015	4540	4730	4855	4175	4730	4855	F23	
2 1 1/16 x 9 1/4 - 9 1/2	HU2.75/10/	14	2 3/4	9	2 1/2	Min	14-16d	6-10dx1 1/2	865	1875	2155	2345	1625	1870	2030	I9, F8	
	HUC2.75/10		2 3/4	9	2 1/2	Max	18-16d	10-10dx1 1/2	1440	2410	2775	3015	2090	2400	2610		
	HGUS2.75/10	12	2 3/4	8 1 1/16	4	—	46-16d	16-16d	3630	7940	8220	8410	5980	6195	6335	F23	
	HU2.75/12/	14	2 3/4	10 3/4	2 1/2	Min	16-16d	6-10dx1 1/2	865	2145	2465	2680	1855	2135	2320	I9, F8	
HUC2.75/12	2 3/4		10 3/4	2 1/2	Max	22-16d	10-10dx1 1/2	1440	2950	3390	3685	2550	2935	3190			
HGUS2.75/12	12	2 3/4	10 5/16	4	—	56-16d	20-16d	4055	8410	8760	8995	6335	6600	6775	F23		
2 1 1/16 x 14	HU2.75/14/	14	2 3/4	13	2 1/2	Min	18-16d	8-10dx1 1/2	1150	2410	2775	3015	2090	2400	2610	I9, F8	
	HUC2.75/14		2 3/4	13	2 1/2	Max	24-16d	14-10dx1 1/2	2015	3215	3700	4020	2785	3200	3480		
	HGUS2.75/14	12	2 3/4	12 1 1/16	4	—	66-16d	22-16d	5380	8645	9030	9285	6510	6800	6995	F23	
	HU2.75/16/	14	2 3/4	14 1/16	2 1/2	Min	20-16d	8-10dx1 1/2	1150	2680	3080	3350	2320	2670	2900	I9, F8	
HUC2.75/16	2 3/4		14 1/16	2 1/2	Max	26-16d	14-10dx1 1/2	2015	3485	4005	4355	3015	3470	3770			
HGUS2.75/14	12	2 3/4	12 1 1/16	4	—	66-16d	22-16d	5380	8645	9030	9285	6510	6800	6995	F23		
3 1/2 x 7 1/4	HU48/HUC48	14	3 9/16	6 1 3/16	2 1/2	Min	10-16d	4-10d	725	1340	1540	1675	1160	1335	1365	I7, F6	
	HUC48		3 9/16	6 1 3/16	2 1/2	Max	14-16d	6-10d	1085	1875	2155	2345	1625	1870	2030		
	HGUS46	12	3 5/8	4 7/16	4	—	20-16d	8-16d	2325	3940	4535	4930	3410	3920	4260	IL14, F23	
	HHUS48	14	3 5/8	7 1/8	3	—	22-16d	8-16d	2000	3885	4465	4885	3275	3765	4095	I9, F8	
HGUS48	12	3 5/8	7 1/16	4	—	36-16d	12-16d	3220	6805	7830	7925	5890	6655	6655	IL14, F23		
3 1/2 x 9 1/4 - 9 1/2	U410	16	3 9/16	8 3/8	2	—	14-16d	6-10d	1065	1860	2140	2330	1610	1850	2010	I9, F8	
	HUS410	14	3 9/16	8 1 1/16	2	—	8-16d	8-16d	2590	2010	2310	2510	1650	1900	2065		
	HU410/HUC410		3 9/16	8 3/8	2 1/2	Min	14-16d	6-10d	1085	1875	2155	2345	1625	1870	2030		
	HHUS410	14	3 9/16	8 3/8	2 1/2	Max	18-16d	10-10d	1810	2410	2775	3015	2090	2400	2610		
	HUCQ410-SDS		3 5/8	9	3	—	30-16d	10-16d	3430	5190	5900	4385	5040	5480			
	HGUS48	12	3 5/8	7 1/16	4	—	36-16d	12-16d	3220	6805	7830	7925	5890	6655	6655	IL14, F23	
	HGUS410		3 5/8	9 1/16	4	—	46-16d	16-16d	3630	8780	8940	8940	7365	7510	7510		
3 1/2 x 11 1/4 - 11 3/8	U410	16	3 9/16	8 3/8	2	—	14-16d	6-10d	1065	1860	2140	2330	1610	1850	2010	I9, F8	
	HUS412	14	3 9/16	10 1/2	2	—	10-16d	10-16d	3240	2510	2885	3140	2065	2375	2580		
	HU412/HUC412		3 9/16	10 5/16	2 1/2	Min	16-16d	6-10d	1085	2145	2465	2680	1855	2135	2320		
	HHUS410	14	3 9/16	10 5/16	2 1/2	Max	22-16d	10-10d	1810	2950	3390	3685	2550	2935	3190		
	HUCQ412-SDS		3 5/8	9	3	—	30-16d	10-16d	3430	5190	5900	4385	5040	5480			
	HGUS48	12	3 5/8	11	3	—	14-SDS 1/4"x2 1/2"	6-SDS 1/4"x2 1/2"	3155	5460	5560	5560	3930	4005	4005	F23	
	HGUS410		3 5/8	7 1/16	4	—	36-16d	12-16d	3220	6805	7830	7925	5890	6655	6655		
	HGUS412	12	3 5/8	9 1/16	4	—	46-16d	16-16d	3630	8780	8940	8940	7365	7510	7510		
HGUS412	12	3 5/8	10 7/16	4	—	56-16d	20-16d	4055	9155	9155	9155	7690	7690	7690	F23		
3 1/2 x 14	U414	16	3 9/16	10	2	—	16-16d	6-10d	1065	2130	2445	2660	1840	2115	2300	I9, F8	
	HU416/HUC416	14	3 9/16	13 3/8	2 1/2	Min	20-16d	8-10d	1445	2680	3080	3350	2320	2670	2900		
	HHUS410		3 9/16	13 3/8	2 1/2	Max	26-16d	12-10d	2015	3485	4005	4355	3015	3470	3770		
	HGUS410	12	3 5/8	9	3	—	30-16d	10-16d	3430	5190	5900	5900	4385	5040	5480		
	HGUS414		3 5/8	9	3	—	46-16d	16-16d	3630	8780	8940	8940	7365	7510	7510		
	HUCQ412-SDS	14	3 9/16	11	3	—	14-SDS 1/4"x2 1/2"	6-SDS 1/4"x2 1/2"	3155	5460	5560	5560	3930	4005	4005	F23	

- 10d commons or 16d sinkers may be used instead of the specified 16d at 0.84 of the table load value.
- 16d sinkers may be used instead of the specified 10d commons with no load reduction.
- Uplift loads based on DF/SP lumber and have been increased 60% for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction refer to Simpson Strong-Tie® Connector Selector™ software or conservatively divide the uplift load by 1.6.

- For SPF/HF, use 0.86 x DF/SP Uplift Load for products requiring nails and 0.72 x DF/SP Uplift Load for products requiring screws.
- MIN nailing quantity and load values—fill all round holes;
- MAX nailing quantity and load values—fill all round and triangle holes.
- Hangers sorted in order of recommended selection for best overall performance and installation value.
- 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.

# FACE MOUNT HANGERS – STRUCTURAL COMPOSITE LUMBER

Engineered Wood & Structural Composite Lumber Connectors

Actual Joist Size	Model No.	Ga	Dimensions			Min/Max	Fasteners		Allowable Loads						Code Ref.	
			W	H	B		Face	Joist	DF/SP Species Header			SPF/HF Species Header				
									Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Floor (100)	Snow (115)		Roof (125)
3½ x 16	HU416/HUC416	14	3⅞	13⅝	2½	Min	20-16d	8-10d	1445	2680	3080	3350	2320	2670	2900	I9, F8
			3⅞	13⅝	2½	Max	26-16d	12-10d	2015	3485	4005	4355	3015	3470	3770	I9, F8
	HGUS410	12	9	4	—	46-16d	16-16d	3630	8780	8940	8940	7365	7510	7510	IL14, F23	
	HGUS412		3⅝	10⅞	4	—	56-16d	20-16d	4055	9155	9155	9155	7690	7690	7690	F23
	HGUS414		3⅝	12⅞	4	—	66-16d	22-16d	5380	10015	10015	10015	7890	8185	8380	F23
HUCQ412-SDS	14	3⅞	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3155	5315	5315	5315	3825	3825	3825	F23	
3½ x 18	HU416/HUC416	14	3⅞	13⅝	2½	Min	20-16d	8-10d	1445	2680	3080	3350	2320	2670	2900	I9, F8
			3⅞	13⅝	2½	Max	26-16d	12-10d	2015	3485	4005	4050	3015	3470	3485	I9, F8
	HGUS412	12	3⅝	10⅞	4	—	56-16d	20-16d	4055	9155	9155	9155	7690	7690	7690	F23
	HGUS414		3⅝	12⅞	4	—	66-16d	22-16d	5380	10015	10015	10015	7890	8185	8380	F23
	HUCQ412-SDS		14	3⅞	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3155	5315	5315	5315	3825	3825	3825
5¼ x 7¼	HU68/HUC68	14	5½	5⅞	2½	Min	10-16d	4-16d	860	1340	1540	1675	1160	1335	1450	I7, F6
			5½	5⅞	2½	Max	14-16d	6-16d	1285	1875	2155	2345	1625	1870	2030	I7, F6
5¼ x 9¼ - 9½	HU610/HUC610	14	5½	7⅝	2½	Min	14-16d	6-16d	1285	1875	2155	2345	1625	1870	2030	I9, F8
			5½	7⅝	2½	Max	18-16d	8-16d	1715	2410	2775	3015	2090	2400	2610	I9, F8
	HHUS5.50/10	12	5½	9	3	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HUCQ610-SDS		5½	9	3	—	12-SDS ¼"x2½"	6-SDS ¼"x2½"	3025	4680	5315	5315	3370	3825	3825	F23
	HGUS5.50/10		5½	8⅞	4	—	46-16d	16-16d	3630	8780	8940	8940	7510	7510	7510	F23
5¼ x 11¼ - 11⅞	HU612/HUC612	14	5½	9⅝	2½	Min	16-16d	6-16d	1285	2145	2465	2680	1855	2135	2320	I9, F8
			5½	9⅝	2½	Max	22-16d	8-16d	1715	2950	3390	3685	2550	2935	3190	I9, F8
	HHUS5.50/10	12	5½	9	3	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HUCQ612-SDS		5½	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3025	5315	5315	5315	3825	3825	3825	F23
	HGUS5.50/12		5½	10½	4	—	56-16d	20-16d	4055	9155	9155	9155	7690	7690	7690	F23
5¼ x 14	HU616/HUC616	14	5½	12⅞	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
			5½	12⅞	2½	Max	26-16d	12-16d	2575	3485	4005	4255	3015	3470	3770	I9, F8
	HHUS5.50/10	12	5½	9	3	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HUCQ612-SDS		5½	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3025	5315	5315	5315	3825	3825	3825	F23
	HGUS5.50/14		5½	12½	4	—	66-16d	22-16d	5380	10015	10015	10015	8415	8415	8415	F23
5¼ x 16	HU616/HUC616	14	5½	12⅞	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
			5½	12⅞	2½	Max	26-16d	12-16d	2575	3485	4005	4355	3015	3470	3770	I9, F8
	HHUS5.50/10	12	5½	9	3	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HUCQ612-SDS		5½	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3025	5315	5315	5315	3825	3825	3825	F23
	HGUS5.50/14		5½	12½	4	—	66-16d	22-16d	5380	10015	10015	10015	8415	8415	8415	F23
5¼ x 18	HU616/HUC616	14	5½	12⅞	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
			5½	12⅞	2½	Max	26-16d	12-16d	2575	3485	4005	4255	3015	3470	3770	I9, F8
	HHUS5.50/10	12	5½	9	3	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HUCQ612-SDS		5½	11	3	—	14-SDS ¼"x2½"	6-SDS ¼"x2½"	3025	5315	5315	5315	3825	3825	3825	F23
	HGUS5.50/14		5½	12½	4	—	66-16d	22-16d	5380	10015	10015	10015	8415	8415	8415	F23
7 x 9¼ - 9½	HU410-2/ HUC410-2	14	7⅞	9⅝	2½	Min	14-16d	6-16d	1285	1875	2155	2345	1625	1870	2030	I9, F8
			7⅞	9⅝	2½	Max	18-16d	8-16d	1715	2410	2775	3015	2090	2400	2610	I9, F8
	HHUS7.25/10	12	7¼	9	3⅞	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HGUS7.25/10		7¼	8⅝	4	—	46-16d	16-16d	3630	8780	9625	9625	7595	8085	8085	F23
			7¼	11⅞	2½	Min	16-16d	6-16d	1285	2145	2465	2680	1855	2135	2320	I9, F8
7 x 11¼ - 11⅞	HU412-2/ HUC412-2	14	7⅞	11⅞	2½	Min	22-16d	8-16d	1715	2950	3390	3685	2550	2935	3190	I9, F8
			7⅞	11⅞	2½	Max	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HHUS7.25/10	12	7¼	9	3⅞	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HGUS7.25/12		7¼	10⅝	4	—	56-16d	20-16d	4055	9835	9835	9835	8260	8260	8260	F23
			7⅞	13⅝	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
7 x 14	HU414-2/ HUC414-2	14	7⅞	13⅝	2½	Min	26-16d	12-16d	2575	3485	4005	4355	3015	3470	3770	I9, F8
			7⅞	13⅝	2½	Max	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HHUS7.25/10	12	7¼	9	3⅞	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HGUS7.25/14		7¼	12⅝	4	—	66-16d	22-16d	5380	11110	11110	11110	9330	9330	9330	F23
			7⅞	13⅝	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
7 x 16	HU414-2/ HUC414-2	14	7⅞	13⅝	2½	Min	26-16d	12-16d	2575	3485	4005	4355	3015	3470	3770	I9, F8
			7⅞	13⅝	2½	Max	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HHUS7.25/10	12	7¼	9	3⅞	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HGUS7.25/14		7¼	12⅞	4	—	66-16d	22-16d	5380	11110	11110	11110	9330	9330	9330	F23
			7⅞	13⅝	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8
7 x 18	HU414-2/ HUC414-2	14	7⅞	13⅝	2½	Min	26-16d	12-16d	2575	3485	4005	4355	3015	3470	3770	I9, F8
			7⅞	13⅝	2½	Max	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HHUS7.25/10	12	7¼	9	3⅞	—	30-16d	10-16d	3430	5190	5970	6490	4385	5040	5480	F23
	HGUS7.25/14		7¼	12⅞	4	—	66-16d	22-16d	5380	11110	11110	11110	9330	9330	9330	F23
			7⅞	13⅝	2½	Min	20-16d	8-16d	1715	2680	3080	3350	2320	2670	2900	I9, F8

- 10d commons or 16d sinkers may be used instead of the specified 16d at 0.84 of the table load value.
- 16d sinkers may be used instead of the specified 10d commons with no load reduction.
- Uplift loads based on DF/SP lumber and have been increased 60% for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction refer to Simpson Strong-Tie® Connector Selector™ software or conservatively divide the uplift load by 1.6. For SPF/HF, use 0.86 x DF/SP Uplift Load for products requiring nails and 0.72 x DF/SP Uplift Load for products requiring screws.
- MIN nailing quantity and load values—fill all round holes; MAX nailing quantity and load values—fill all round and triangle holes.
- Hangers sorted in order of recommended selection for best overall performance and installation value.
- NAILS:** 16d = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long. See page 16-17 for other nail sizes and information.

**CODES:** See page 12 for Code Reference Key Chart.