

# Wood to Wood Heavy Duty Face Mount Joist Hangers NVFH

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Heavy Welded Connectors

Joist Size	Fv=175 psi Shear Capacity (Lbs.)(2)(6)	
	Uplift 160%	Gravity 100%
2x4	980	615
2x6	1540	960
2x8	2030	1270
2x10	2590	1620
2x12	3150	1970
2-2x4	1960*	1230*
2-2x6	3080	1925
2-2x8	4060	2540
2-2x10	5180	3240
2-2x12	6300	3940
3x6	2570	1600
3x8	3380	2115
3x10	4320	2700
3x12	5250	3280
2-3x6	5130*	3210*
2-3x8	6760*	4230*
2-3x10	8640*	5400*
2-3x12	10,500*	6560*
3-2x6	4620*	2890*
3-2x8	6090*	3805*
3-2x10	7770*	4860*
3-2x12	9450*	5905*
4-2x8	8120*	5080*
4-2x10	10,360*	6480*
4-2x12	12,600*	7880*
4x4	2290*	1430*
4x6	3590*	2250*
4x8	4740	2950
4x10	6040	3780
4x12	7350	4590
6x6	5650*	3530*
6x8	7700*	4815*
6x10	9750*	6100*
6x12	11,800*	7380*
8x6	7700*	4810*
8x8	10,500*	8560*
8x10	13,300*	8310*
8x12	16,100*	10,060*

H (in)	2-2X Headers No. of 16d Nails	10d x 1 1/2" (1) No. of Joist Nails	Hanger Capacity Allowable Loads (Lbs.)(2)	
			Uplift 160%	Gravity 100%
3 1/2	12	9	1550	980
5 1/2	18	15	3130	1900
7 1/2	24	21	4800	2950
9 1/2	30	27	6600	4050
11 1/2	36	33	8400	5150

H (in)	Nails Thru Joists Left Side of Hanger	Nails Thru Header each side	Nails Thru Joists Right Side of Hanger
3 1/2	4 Nails	6 Nails	5 Nails
5 1/2	7 Nails	9 Nails	8 Nails
7 1/2	10 Nails	12 Nails	11 Nails
9 1/2	13 Nails	15 Nails	14 Nails
11 1/2	16 Nails	18 Nails	17 Nails

**Structural Notes:**

- 1) For one or two joists side by side, use 10dx1 1/2" nails from each side. For 3 Joists side by side, use 16dx3 1/4" sinker nails from one side and 10dx1 1/2" nails from opposite side. For 4 Joists, used 16d sinker nails from each side.
- 2) Use hanger capacity or shear capacity whichever is less. Joist Shear capacity shown \* exceeds hanger capacity. For these joists use hanger capacity.
- 3) All design conforms to FBC 2014, IBC/IRC 2015/2012 and NDS 2012.
- 4) Structural steel shall conform to ASTM A36, yield strength 36000 psi.
- 5) All welding shall be minimum 3/16" with E70 electrodes and shall conform to latest AISC/AWS codes. All welds shall be fillet welds.
- 6) All nail values in wood conform to latest Edition of NDS for Southern Pine, G=0.55. Values for other species shall be adjusted as per NDS. This applies also to shear values of joists.
- 7) Steel stress is not increased by 33%.
- 8) Provide plywood shims to close the gap between joist and steel hangers to prevent bending if necessary.
- 9) All products are painted Royal Blue for easy identification