

NVGH Heavy Duty Face Mount Joist Hangers













Wood to Concrete NVGH

Wood to Concrete

Heavy Welded Connectors

Joist Size	Fv=175 psi Shear Capacity (Lbs.)(2)(6)	
	Uplift 160%	Gravity 100%
2x6	1540	960
2x8	2030	1270
2x10	2590	1620
2x12	3150	1970
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*
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)	8"x12" TB No. of 1/4 Tapcons (Total 2 sides)	10d x 1 1/2" (1) No. of Joist Nails	Hanger Capacity (Lbs.)(2)	
			Uplift 100%	Gravity 100%
5 1/2	12	15	1900	2300
7 1/2	16	21	3000	3300
9 1/2	20	27	4000	4200
11 1/2	24	33	5100	5000

H (in)	Nails Thru Joists Left Side of Hanger	Tapcons Thru T.B. each side	Nails Thru Joists Right Side of Hanger
5 1/2	7 Nails 	6 Tapcons 	8 Nails 
7 1/2	10 Nails 	8 Tapcons 	11 Nails 
9 1/2	13 Nails 	10 Tapcons 	14 Nails 
11 1/2	16 Nails 	12 Tapcons 	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 Joist shear capacity whichever is less. Joist Shear capacity shown * exceeds hanger capacity. For these joists use hanger capacity. Hanger Capacity is based on Capacity of tapcons in Concrete beam. No increase allowed for uplift.
- 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. Design values of 1/4" Tapcons, 1 3/4" Embedment shall be per ITW Red head's published catalog.
- 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) F'c Tie Beams shall be 3000 psi.
- 10) All products are painted Royal Blue for easy identification