W/WP/WM *Plated Truss Top Flange Hangers*

The W and WP hangers offer design flexibility and versatility supporting trusses off of wood or steel. WM hangers are designed for use on standard 8" grouted masonry block wall construction.

MATERIAL: W, WM—12 gauge top flange and stirrup, WP—7 gauge top flange and 12 gauge stirrup

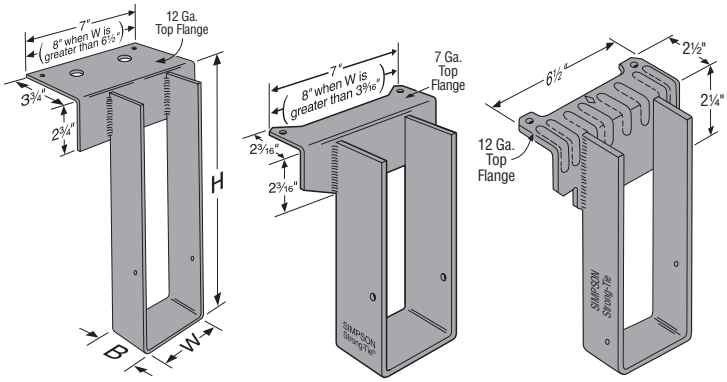
FINISH: Simpson Strong-Tie® gray paint; hot-dip galvanized available: specify HDG.

INSTALLATION: • Use all specified fasteners.

- Hangers may be welded to steel headers with ⅛" for W, and 3⁄16" for WP, by 1½" fillet welds located at each end of the top flange. Weld-on applications produce maximum allowable load listed. Uplift loads do not apply to this application.
- Hangers can support multi-ply carried members; the individual members must be secured together to work as a single unit before installation into the hanger.
- **MID-WALL INSTALLATION:** Installed between blocks with duplex nails cast into grout with a minimum of one grouted course above and below the top flange and one #5 vertical rebar minimum 24" long in each adjacent cell.
- **TOP OF WALL INSTALLATION:** Install on top of wall to a grouted beam with masonry screws.

OPTIONS: For 4x2 trusses, specify "alternate nail pattern" (ANP) which relocates the nails to the bottom of the joist. See Hanger Options, pages 181-183 for hanger modifications.

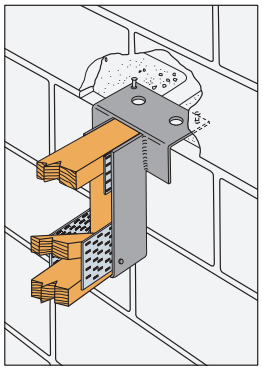
CODES: See page 12 for Code Reference Key Chart.



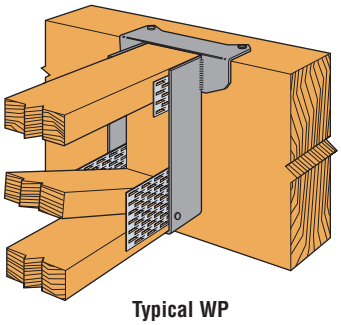
WM **WP** **W**

Model	Nailer	Top Flange Nailing	Allowable Loads		
			DF/SP	SPF/HF	LSL
W	2x	2-10dx1½	1600	1600	—
	2-2x	2-10d	1665	1665	—
	3x	2-16dx2½	1765	1740	—
	4x	2-10d	2200	2200	—
WP	2x	2-10dx1½	2525	2500	3375
	2-2x	2-10d	3255	3255	—
	3x	2-16dx2½	3000	2510	3375
	4x	2-10d	3255	3255	—

NAILER TABLE
The table indicates the maximum allowable loads for W and WP hangers used on wood nailers. Nailers are wood members attached to the top of a steel I-beam, concrete or masonry wall.



Typical WM Installation with Alternate Nail Pattern (ANP) for 4x2 Truss



Typical WP Installation with Alternate Nailing Pattern (ANP) for 4x2 Truss

W SERIES WITH VARIOUS HEADERS

Model	Joist		Fasteners			Allowable Loads Header Type								Code Ref.
	Width[4]	Depth	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	I-Joist	Masonry	
W	1½ to 3½	3½ to 30	2-10dx1½	—	2-10dx1½	—	1635	1740	—	1600	1415	—	—	170
	1½ to 3½	3½ to 30	2-10d	—	2-10dx1½	—	2150	2020	—	2200	1435	—	—	I10, F9
	1½ to 3½	3½ to 30	2-16d	—	2-10dx1½	—	2335	1950	2335	1765	1435	—	—	
WM	1½ to 7	3½ to 30	2-16d DPLX	—	2-10dx1½	—	—	—	—	—	—	—	4175	IL12, L1
WP	1½ to 7	3½ to 30	2-10dx1½	—	2-10dx1½	—	2865	3250	—	2500	2000	2030	—	170
	1½ to 7	3½ to 30	2-10d	—	2-10dx1½	—	2525	3250	3650	3255	2600	—	—	I19, F18
	1½ to 7	3½ to 30	2-16d	—	2-10dx1½	—	3635	3320	3650	3255	2600	—	—	

1. 16d sinkers (9 ga x 3") may be used where 10d commons are called out with no load reduction.
2. Uplift loads 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.
3. WM hangers are limited based on joist bearing capacity for the specific wood species, up to the maximum test value of 4175 lbs. All headers are grouted masonry block.
4. Joist dimensions do not include truss plate thickness.
5. **NAILS:** 16d and 16d DPLX = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.

Model No.	Ga	Dimensions				Fasteners		DF/SP Allowable Loads				SPF/HF Allowable Loads			
		W	Min.[3] H	B	TF	Carrying Member	Carried Member	Floor (100)	Snow (115)	Roof (125)	Wind (160)	Floor (100)	Snow (115)	Roof (125)	Wind (160)
W1.62x	12	1⅝	4	2½	2½	2-10d	2-10dx1½	2200	2200	2200	2200	1435	1435	1435	1435
WM1.62x	12	1⅝	4	2	3¾	2-16d DPLX	2-10dx1½	1890	1920	1940	1955	1445	1470	1485	1500
WP3.31x	12	3⁵⁄₁₆	4	2½	2³⁄₁₆	2-10d	2-10d	3255	3255	3255	3255	2600	2600	2600	2600
WM3.31x	12	3⁵⁄₁₆	4	2	3¾	2-16d DPLX	2-10d	3635	3675	3700	3720	2765	2795	2820	2835
W3.62x	12	3⅝	4	2½	2½	2-10d	2-10d	2200	2200	2200	2200	1435	1435	1435	1435
WP3.62x	12	3⅝	4	2½	2³⁄₁₆	2-10d	2-10d	3255	3255	3255	3255	2600	2600	2600	2600
WM3.62x	12	3⅝	4	2	3¾	2-16d DPLX	2-10d	4175	4175	4175	4175	3190	3220	3240	3260
WP7.25x	12	7¼	4	2½	2³⁄₁₆	2-10d	2-10d	3255	3255	3255	3255	2600	2600	2600	2600
WM7.25x	12	7¼	4	2	3¾	2-16d DPLX	2-10d	4175	4175	4175	4175	4175	4175	4175	4175

1. WM hangers are limited based on joist bearing capacity for the specific wood species, up to the maximum test value of 4175 lbs. All headers are grouted masonry block.
2. Wind (160) is a download rating.
3. "Min. H" is the minimum H dimension that may be ordered and desired H dimension should be specified. For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.
4. **NAILS:** 16d DPLX = 0.162" dia. x 3½" long, 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.

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