

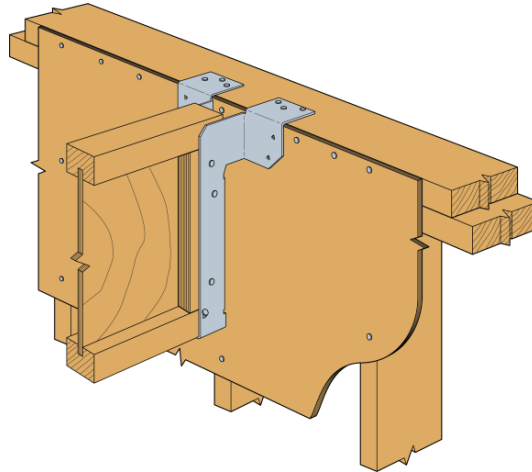
Re: Allowable Loads for the DG and DGH hanger installed on walls over wood structural panel sheathing.

The Simpson Strong-Tie DG and DGH series fire wall hangers are designed for installation on a 2-hour fire wall and do not require gypsum board (drywall) to be installed at time of framing. A 3" tall notch in the drywall allows for two layers of $\frac{5}{8}$ " drywall to be slipped into place any time after the framing is complete. All models have been tested according to ASTM E814 and received F (flame) and T (temperature) ratings for use on one or both sides of the wall. These ratings verify that the DG and DGH hangers do not reduce the two-hour fire wall assembly rating. To achieve uplift and maximum download capacities listed in Table 1, the plywood or OSB ($\frac{5}{8}$ " max.) must be installed flush with the top of the wall and attached to wall framing per code.

Table 1: DG & DGH Allowable Loads on Walls with Wood Structural Sheathing

Model No.	Ga.	Joist Depth (in.)	Fasteners			DF/SP Allowable Loads (lbs)		SPF/HF Allowable Loads (lbs)	
			Top	Face	Joist	Uplift (160)	Download (100/125)	Uplift (160)	Download (100/125)
DG	12	7 ¼ to 11 ¼	(6) 10d	-	(6) 10d x 1 ½	275	1,350	215	1,230
DG	12	11 7/8 to 24	(6) 10d	-	(6) 10d x 1 ½	275	1,500	215	1,340
DGH	10	9 ½ to 24	(5) 10d	(2) 10d	(8) 10d x 1 ½	820	2,100	705	1,920

1. Uplift loads have been increased for wind or seismic loading with no further increase allowed. Reduce where other loads govern.
2. Loads are based on a joist spacing 16" o.c. or greater on a 2x4 minimum stud wall. Back to back installations require a 2x6 wall. Wall design by Designer.
3. **Nails:** 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long.
4. See F-C-DGHANEGR18 for additional installation information.



The information in this letter is valid until **12/31/2018** when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com for additional pertinent information. If you have questions or need further assistance regarding this matter, please contact the Simpson Strong-Tie engineering department at (800)-999-5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.