

Your Go-To, Load-Rated **Fire Wall Hanger**



**Easy to Install
Before the Drywall**



Intertek

Now approved to the 2015 and
2018 I-Codes®, and listed under
ICC-ES ESR-2553.

(800) 999-5099
strongtie.com

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SST0035156

Columbia EX2134
Simpson Strong-Tie Company Inc. v. Columbia Insurance Company
PGR2024-00050

Engineered Design Makes It Easy to Install Before the Drywall

The DGF fire wall hanger is the next generation in the drywall hanger series from Simpson Strong-Tie. It's ideal for multi-family, multi-level building construction and easily installs on a two-hour wood stud fire wall (e.g., Type III construction) during framing.

This fire wall series features three models of top-flange hangers that connect floor trusses and joists to wood stud walls. The hangers feature enough space for two layers of $\frac{5}{8}$ " gypsum board (drywall) to be slipped into place after the framing is complete. The joist hanger gives the completed assembly the ability to function as a two-hour fire-rated wall.

All three fire wall hangers 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 DGF/DGHF/DGBF hangers do not reduce the two-hour fire wall assembly rating.

Key Features

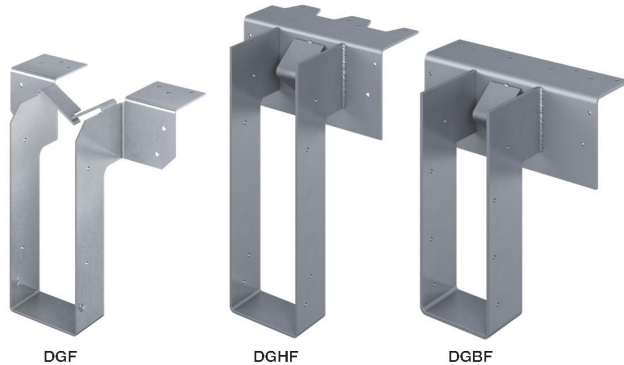
- The hanger features a gap wide enough to install two layers of $\frac{5}{8}$ " drywall
- Fire-resistant F (flame) and T (temperature) rated in Intertek Design No. SST/WPCF 120-01
- No need for additional restraint against rotation of the wall top plates
- May be used on 2x4 and 2x6 walls
- DGF, DGHF and DGBF hangers can be used on both sides of a 2x6 wall



DGF hanger with I-joist.

Two-Hour Fire Wall Assembly Rated

Simpson Strong-Tie has completed ASTM E814 standard testing verifying that the DGF/DGHF/DGBF hangers do not reduce the two-hour assembly rating.



DGF

DGHF

DGBF

Material

DGF — 12 gauge; DGHF — 10 gauge; DGBF — 7 gauge

Finish

DGF — G90; DGHF and DGBF — gray paint

Installation

- Use all specified fasteners. I-joists require web stiffeners.
- DGF/DGHF/DGBF hangers are mounted like a standard top-flange hanger.
- Wall-plate splices must occur at a stud location.
- DGBF only — apply two $\frac{1}{4}$ " beads of fire-resistant mortar caulk directly to top of wall plates for the first 6" on either side of top flange. See Intertek design listing for detail.
- DGBF only — locate minimum double stud below hanger.
- DGF welded to steel header with four 2" fillet welds and (6) joist nails achieves a download of 1,650 lb.
- DGHF and DGBF welded to steel header with two 2" fillet weld and (8) 0.148" x 1 $\frac{1}{2}$ " joist nails achieve a download of 3,000 lb.

Options

Additionally, all DGHF models may be ordered with a skew angle of up to 45° or with the top-flange offset left or right. To order, add an "X" to the model number.

- For the skew option, specify skew direction and angle (e.g., for a 3 $\frac{1}{2}$ " x 18" joist skewed 45° to the right, order as DGHF3.62/18X SKR45).
- For the top-flange offset option, simply specify left or right (e.g., DGHF3.62/18X OSR).

For more information, go to strongtie.com/firewallsolutions.

Your Go-To, Load-Rated Fire Wall Hanger

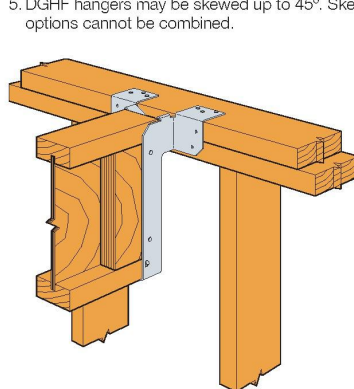


Allowable Loads on 2x4 or 2x6 Wall

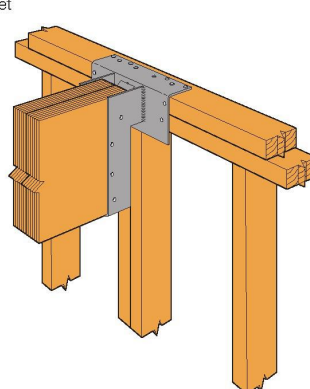
Model	Ga.	Joist Depth (in.)	Fasteners (in.)			Web Stiffener Req'd	DF/SP				SPF/HF				Code Reference
			Top	Face	Joist		Uplift (160)	Download (100/125)			Uplift (160)	Download (100/125)			
								Stud Wall	2x, 3x Nailer	(2) 2x, 4x Nailer		Stud Wall	2x, 3x Nailer	(2) 2x, 4x Nailer	
DGF	12	7¼ to 11¼	(6) 0.148 x 3	(4) 0.148 x 3	(2) 0.148 x 1½	—	130	1,160	—	1,160	110	1,130	—	1,130	IBC, FL, LA
			(6) 0.148 x 1½	—	(6) 0.148 x 1½	✓	220	1,350	1,350	1,350	190	1,315	1,315	1,315	
			(6) 0.148 x 3	—	(6) 0.148 x 1½	✓	315	1,420	—	1,420	270	1,385	—	1,385	
		11⅝ to 24	(6) 0.148 x 3	(4) 0.148 x 3	(2) 0.148 x 1½	—	130	1,160	—	1,160	110	1,130	—	1,130	
			(6) 0.148 x 1½	—	(6) 0.148 x 1½	✓	315	1,620	1,620	1,620	270	1,450	1,450	1,450	
			(6) 0.148 x 3	—	(6) 0.148 x 1½	✓	315	1,705	—	1,705	270	1,525	—	1,525	
DGHF	10	9½ to 24	(5) 0.148 x 1½	(2) 0.148 x 3	(8) 0.148 x 1½	✓	855	2,030	2,030	2,030	650	1,855	1,855	1,855	
			(5) 0.148 x 3	(2) 0.148 x 3	(8) 0.148 x 1½	✓	900	2,135	—	2,135	770	1,950	—	1,950	
DGBF	7	9½ to 24	(8) 0.148 x 3	(4) 0.148 x 3	(8) 0.148 x 3	✓	1,040	3,015	—	3,015	890	2,280	—	2,280	—
DGHF (skewed)	10	9½ to 24	(5) 0.148 x 3	(2) 0.148 x 3	(8) 0.148 x 1½	✓	315	1,620	—	1,620	270	1,350	—	1,350	
DGHF (offset)	10	9½ to 24	(5) 0.148 x 3	(2) 0.148 x 3	(8) 0.148 x 1½	✓	870	2,010	—	2,010	755	1,705	1,550	—	

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Allowable loads are for 2x4 minimum stud wall or nailer. Back-to-back installations require a minimum 2x6. Wall design by Designer.
3. Hangers spaced closer than 16" o.c. shall reduce allowable load proportionately.
4. DGBF installation requires a minimum of (2) 2x4 studs or posts in the wall at hanger location. Post design by Designer.
5. DGHF hangers may be skewed up to 45°. Skew and offset options cannot be combined.

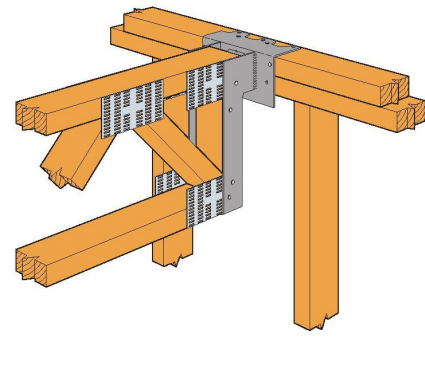
6. For DGHF with top-flange offset, fill any two face nail holes in addition to the top nail holes.
7. DGF and DGHF may be installed over 5/8" maximum wood structural panel sheathing. For DGF, use 0.87 of the table loads for uplift and download. For DGHF, use 0.91 of table loads for uplift and full table downloads. Sheathing shall be installed flush with top of the wall and fastened per code.
8. **Fasteners:** Nail dimensions in the table are listed diameter by length. See strongtie.com for fastener information.
9. For higher load solutions, see L-C-FACEMNTFW18 on strongtie.com.



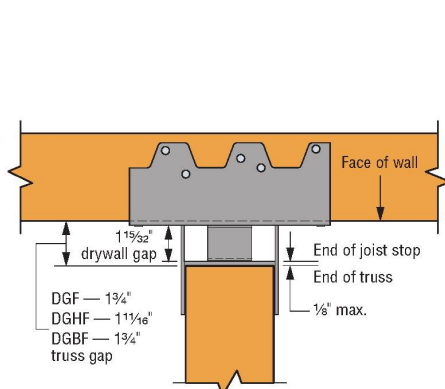
DGF Hanger on Stud Wall with I-Joists



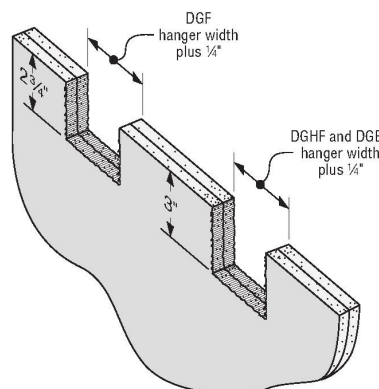
DGBF Hanger Installed with Double Studs
(see installation note on p. 2)



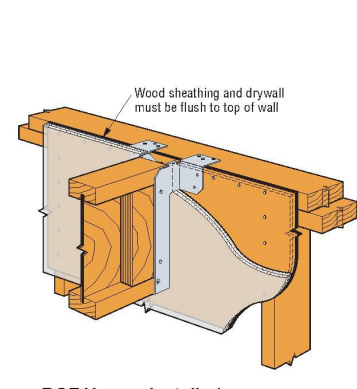
DGHF Hanger on Stud Wall with Trusses



DGHF Hanger (DGF Similar) Top View with Gap



Drywall Notches



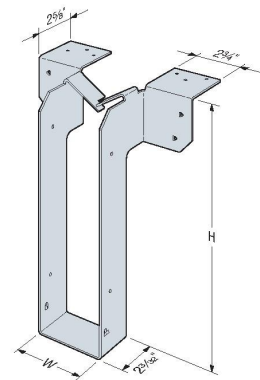
DGF Hanger Installed over Structural Sheathing

Your Go-To, Load-Rated Fire Wall Hanger

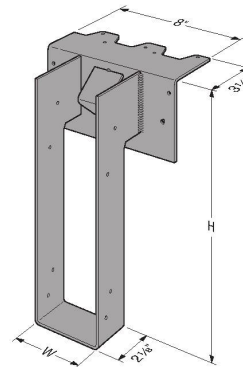


Model Sizes

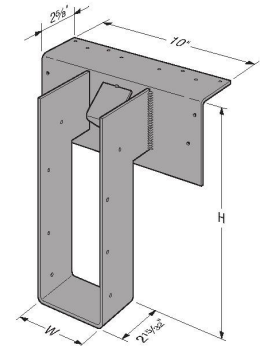
Joist Size (in.)	DGF Model	DGHF Model	DGBF Model	W (in.)	H (in.)
2x8	DGF28	—	—	1 ⁹ / ₁₆	7 ¹ / ₈
2x10	DGF210	—	—	1 ⁹ / ₁₆	9 ¹ / ₈
2x12	DGF212	—	—	1 ⁹ / ₁₆	11 ¹ / ₈
1 ³ / ₄ x 9 ¹ / ₂	DGF1.81/9.5	DGHF1.81/9.5	—	1 ¹³ / ₁₆	9 ⁷ / ₁₆
1 ³ / ₄ x 11 ¹ / ₈	DGF1.81/11.88	DGHF1.81/11.88	—	1 ¹³ / ₁₆	11 ¹³ / ₁₆
1 ³ / ₄ x 14	DGF1.81/14	DGHF1.81/14	—	1 ¹³ / ₁₆	13 ¹⁵ / ₁₆
1 ³ / ₄ x 16	DGF1.81/16	DGHF1.81/16	—	1 ¹³ / ₁₆	15 ¹⁵ / ₁₆
2 x 9 ¹ / ₂	DGF2.1/9.5	DGHF2.1/9.5	—	2 ¹ / ₈	9 ⁷ / ₁₆
2 x 11 ¹ / ₈	DGF2.1/11.88	DGHF2.1/11.88	—	2 ¹ / ₈	11 ¹³ / ₁₆
2 x 14	DGF2.1/14	DGHF2.1/14	—	2 ¹ / ₈	13 ¹⁵ / ₁₆
2 x 16	DGF2.1/16	DGHF2.1/16	—	2 ¹ / ₈	15 ¹⁵ / ₁₆
2 ¹ / ₁₆ x 9 ¹ / ₂	DGF2.1/9.5	DGHF2.1/9.5	—	2 ¹ / ₈	9 ⁷ / ₁₆
2 ¹ / ₁₆ x 11 ¹ / ₈	DGF2.1/11.88	DGHF2.1/11.88	—	2 ¹ / ₈	11 ¹³ / ₁₆
2 ¹ / ₁₆ x 14	DGF2.1/14	DGHF2.1/14	—	2 ¹ / ₈	13 ¹⁵ / ₁₆
2 ¹ / ₁₆ x 16	DGF2.1/16	DGHF2.1/16	—	2 ¹ / ₈	15 ¹⁵ / ₁₆
2 ³ / ₁₆ x 9 ¹ / ₂	DGF2.37/9.5	DGHF2.37/9.5	—	2 ³ / ₈	9 ⁷ / ₁₆
2 ³ / ₁₆ x 11 ¹ / ₈	DGF2.37/11.88	DGHF2.37/11.88	—	2 ³ / ₈	11 ¹³ / ₁₆
2 ³ / ₁₆ x 14	DGF2.37/14	DGHF2.37/14	—	2 ³ / ₈	13 ¹⁵ / ₁₆
2 ³ / ₁₆ x 16	DGF2.37/16	DGHF2.37/16	—	2 ³ / ₈	15 ¹⁵ / ₁₆
2 ³ / ₁₆ x 18	DGF2.37/18	DGHF2.37/18	—	2 ³ / ₈	17 ¹⁵ / ₁₆
2 ³ / ₁₆ x 20	DGF2.37/20	DGHF2.37/20	—	2 ³ / ₈	19 ¹⁵ / ₁₆
2 ¹ / ₂ x 9 ¹ / ₂	DGF2.56/9.5	DGHF2.56/9.5	—	2 ⁵ / ₈	9 ⁷ / ₁₆
2 ¹ / ₂ x 11 ¹ / ₈	DGF2.56/11.88	DGHF2.56/11.88	—	2 ⁵ / ₈	11 ¹³ / ₁₆
2 ¹ / ₂ x 14	DGF2.56/14	DGHF2.56/14	—	2 ⁵ / ₈	13 ¹⁵ / ₁₆
2 ¹ / ₂ x 16	DGF2.56/16	DGHF2.56/16	—	2 ⁵ / ₈	15 ¹⁵ / ₁₆
2 ¹ / ₂ x 18	DGF2.56/18	DGHF2.56/18	—	2 ⁵ / ₈	17 ¹⁵ / ₁₆
2 ¹ / ₂ x 20	DGF2.56/20	DGHF2.56/20	—	2 ⁵ / ₈	19 ¹⁵ / ₁₆
2 ¹ / ₂ x 22	DGF2.56/22	DGHF2.56/22	—	2 ⁵ / ₈	21 ¹⁵ / ₁₆
2 ¹ / ₂ x 24	DGF2.56/24	DGHF2.56/24	—	2 ⁵ / ₈	23 ¹⁵ / ₁₆
3 ¹ / ₂ x 9 ¹ / ₄	DGF3.62/9.25	DGHF3.62/9.25	DGBF3.62/9.25	3 ⁵ / ₈	9 ³ / ₁₆
3 ¹ / ₂ x 9 ¹ / ₂	DGF3.62/9.5	DGHF3.62/9.5	DGBF3.62/9.5	3 ⁵ / ₈	9 ⁷ / ₁₆
3 ¹ / ₂ x 11 ¹ / ₄	DGF3.62/11.25	DGHF3.62/11.25	DGBF3.62/11.25	3 ⁵ / ₈	11 ³ / ₁₆
3 ¹ / ₂ x 11 ¹ / ₈	DGF3.62/11.88	DGHF3.62/11.88	DGBF3.62/11.88	3 ⁵ / ₈	11 ¹³ / ₁₆
3 ¹ / ₂ x 14	DGF3.62/14	DGHF3.62/14	DGBF3.62/14	3 ⁵ / ₈	13 ¹⁵ / ₁₆
3 ¹ / ₂ x 16	DGF3.62/16	DGHF3.62/16	DGBF3.62/16	3 ⁵ / ₈	15 ¹⁵ / ₁₆
3 ¹ / ₂ x 18	DGF3.62/18	DGHF3.62/18	DGBF3.62/18	3 ⁵ / ₈	17 ¹⁵ / ₁₆
3 ¹ / ₂ x 20	DGF3.62/20	DGHF3.62/20	DGBF3.62/20	3 ⁵ / ₈	19 ¹⁵ / ₁₆
3 ¹ / ₂ x 22	DGF3.62/22	DGHF3.62/22	DGBF3.62/22	3 ⁵ / ₈	21 ¹⁵ / ₁₆
3 ¹ / ₂ x 24	DGF3.62/24	DGHF3.62/24	DGBF3.62/24	3 ⁵ / ₈	23 ¹⁵ / ₁₆
5 ¹ / ₄ x 11 ¹ / ₈	—	—	DGBF5.37/11.88	5 ⁵ / ₈	11 ¹³ / ₁₆
5 ¹ / ₄ x 14	—	—	DGBF5.37/14	5 ⁵ / ₈	13 ¹⁵ / ₁₆
5 ¹ / ₄ x 16	—	—	DGBF5.37/16	5 ⁵ / ₈	15 ¹⁵ / ₁₆
5 ¹ / ₄ x 18	—	—	DGBF5.37/18	5 ⁵ / ₈	17 ¹⁵ / ₁₆
5 ¹ / ₄ x 20	—	—	DGBF5.37/20	5 ⁵ / ₈	19 ¹⁵ / ₁₆
5 ¹ / ₄ x 22	—	—	DGBF5.37/22	5 ⁵ / ₈	21 ¹⁵ / ₁₆
5 ¹ / ₄ x 24	—	—	DGBF5.37/24	5 ⁵ / ₈	23 ¹⁵ / ₁₆
5 ¹ / ₈ glulam	—	—	DGBF5.25	5 ¹ / ₄	SPEC
5 ¹ / ₂ glulam and 6x	—	—	DGBF5.56	5 ⁵ / ₈	SPEC
6 ³ / ₄ glulam	—	—	DGBF6.88	6 ⁷ / ₈	SPEC
7 x 11 ¹ / ₈	—	—	DGBF7.12/11.88	7 ¹ / ₈	11 ¹³ / ₁₆
7 x 14	—	—	DGBF7.12/14	7 ¹ / ₈	13 ¹⁵ / ₁₆
7 x 16	—	—	DGBF7.12/16	7 ¹ / ₈	15 ¹⁵ / ₁₆
7 x 18	—	—	DGBF7.12/18	7 ¹ / ₈	17 ¹⁵ / ₁₆
7 x 20	—	—	DGBF7.12/20	7 ¹ / ₈	19 ¹⁵ / ₁₆
7 x 22	—	—	DGBF7.12/22	7 ¹ / ₈	21 ¹⁵ / ₁₆
7 x 24	—	—	DGBF7.12/24	7 ¹ / ₈	23 ¹⁵ / ₁₆



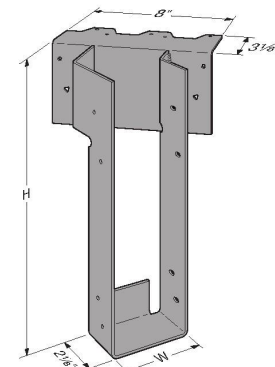
DGF



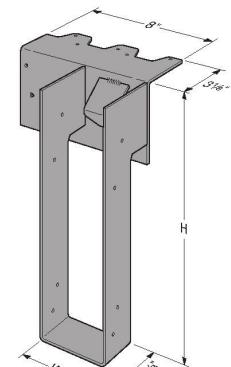
DGHF



DGBF



DGHF3.62/11.88
Skewed Right Shown



Top-Flange Offset Left
(right similar)

This filer is effective until December 31, 2021, and reflects information available as of May 1, 2019. This information is updated periodically and should not be relied upon after December 31, 2021. Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

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