

HDQ8/HHDQ

Holdowns

The HHDQ series of holdowns combines low deflection and high loads with ease of installation. The unique seat design of the HDQ8 greatly minimizes deflection under load. Both styles of holddown employ the Strong-Drive® SDS Heavy-Duty Connector screws which install easily, reduce fastener slip and provide a greater net section when compared to bolts. They may be installed either flush or raised off the mudsill without a reduction in load value.

Special Features:

- Strong-Drive SDS Heavy-Duty Connector screws are supplied with the holdowns to ensure proper fasteners are used
- No stud bolts to countersink at openings

Material: HDQ8 — 7 gauge; HHDQ — body: 7 gauge, washer: 1/2" plate

Finish: HDQ8 — galvanized; HHDQ — Simpson Strong-Tie gray paint; HHDQ11 — available in stainless steel

Installation:

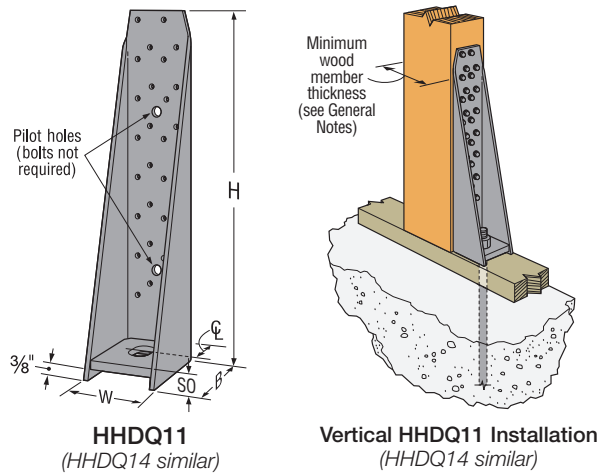
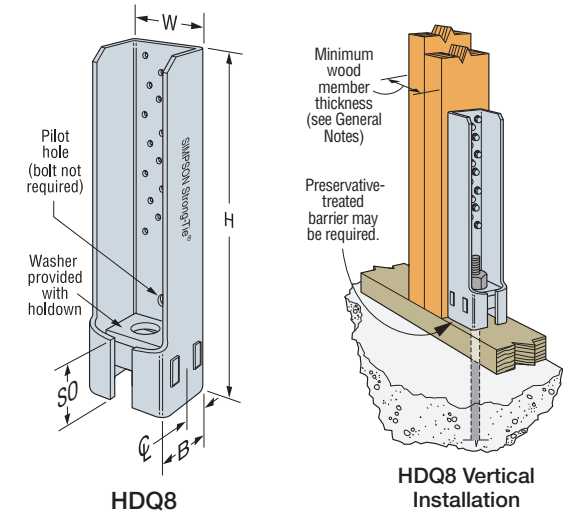
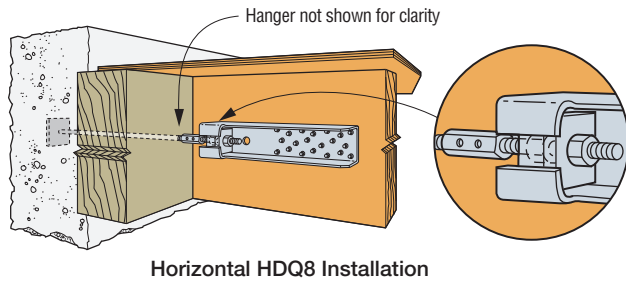
- See Holdown and Tension Tie General Notes on pp. 51–52
- No additional washer is required
- Strong-Drive SDS Heavy-Duty Connector screws install best with a low-speed high-torque drill with a 3/8" hex-head driver

HHDQ11 / HHDQ14:

- No additional washer is required
- HHDQ14 requires a heavy-hex anchor nut (supplied with holddown)

Codes: See p. 13 for Code Reference Key Chart

Web Applications: Visit app.strongtie.com/pfd to access our Post-to-Foundation Designer web application.



Not sure you have the right holddown?

The Post-to-Foundation Designer is a quick way to specify a holddown and the applicable anchorage to meet your project design requirements. Visit app.strongtie.com/pfd to access the web app.

These products are available with additional corrosion protection. For more information, see p. 16.

SS For stainless-steel fasteners, see p. 23.

Model No.	Ga.	Dimensions (in.)						Fasteners		Minimum Wood Member Size (in.)	Allowable Tension Loads (160)			Code Ref.
		W	H	B	CL	SO	Anchor Bolt Dia. (in.)	SDS Screws	DF/SP		SPF/HF	Deflection at Allowable Load (in.)		
HDQ8-SDS3	7	2 7/8	14	2 1/2	1 1/4	2 3/8	7/8	(20) 1/4" x 3"	3 x 3 1/2	5,715	4,915	0.073	IBC®, FL, LA	
								(20) 1/4" x 3"	3 1/2 x 3 1/2	7,630	6,560	0.091		
								(20) 1/4" x 3"	3 1/2 x 4 1/2	9,230	7,020	0.095		
SS HHDQ11-SDS2.5	7	3	15 1/8	3 1/2	1 1/2	7/8	1	(24) 1/4" x 2 1/2"	3 1/2 x 5 1/2	11,810	8,425	0.131		
HHDQ14-SDS2.5	7	3	18 3/4	3 1/2	1 1/2	7/8	1	(30) 1/4" x 2 1/2"	3 1/2 x 7 1/4	13,015	10,530	0.107		
									5 1/2 x 5 1/2	13,710	10,530	0.107		

1. HHDQ14 requires a heavy-hex anchor nut (supplied with holddown).
2. HDQ and HHDQ installed horizontally achieve compression loads with the addition of a standard nut on the underside of the load transfer plate. Refer to ICC-ES ESR-2330 for design values. HDQ8 requires a standard nut and BP 7/8-2 load washer (sold separately) on the underside of the holddown for compression load. Design of anchorage rods for compression force shall be per the designer.
3. **Fasteners:** SDS screws are Simpson Strong-Tie Strong-Drive SDS Heavy-Duty Connector screws. See pp. 23–24 for fastener information.