

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

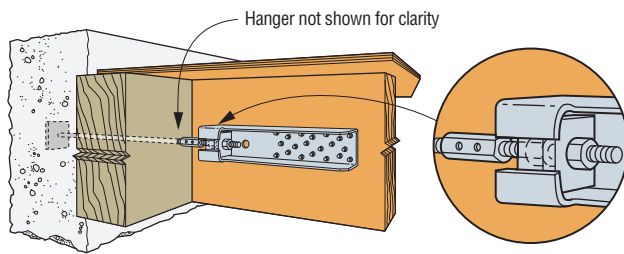
Installation:

- See Holdown and Tension Tie General Notes on pp. 49–50
- 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

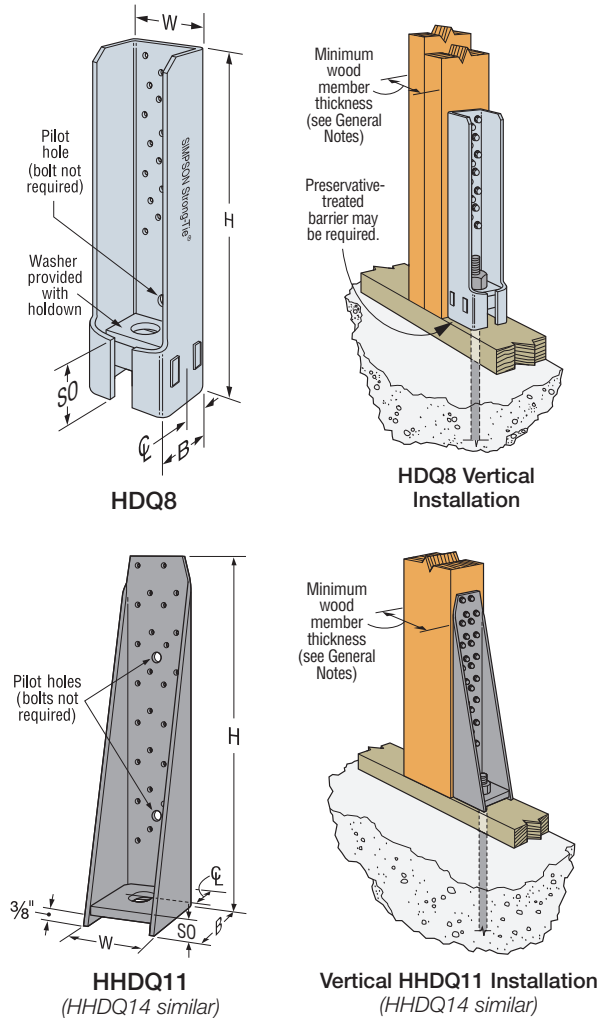
HHDQ11 / HHDQ14:

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

Codes: See p. 11 for Code Reference Key Chart



Horizontal HDQ8 Installation



HDQ8

HDQ8 Vertical Installation

HHDQ11 (HHDQ14 similar)

Vertical HHDQ11 Installation (HHDQ14 similar)

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.

These products are available with additional corrosion protection. For more information, see p. 14.

For stainless-steel fasteners, see p. 21.

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	27/8	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	
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	
									3 1/2 x 7 1/4	13,015	10,530	0.107	
HHDQ14-SDS2.5	7	3	18 3/4	3 1/2	1 1/2	7/8	1	(30) 1/4" x 2 1/2"	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. 21–22 for fastener information.