

The **NEW** heavy-duty HHDQ holdowns combine low deflection and high loads with ease of installation by using Simpson's patented SDS screws.

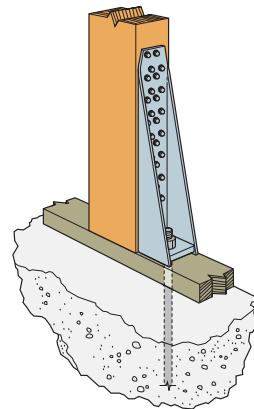
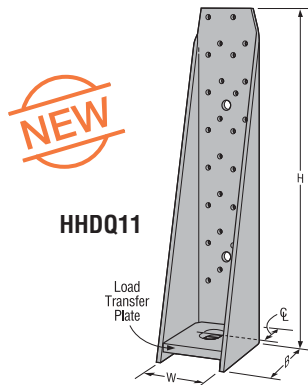
FINISH: Grey paint.

INSTALLATION: • Use all specified fasteners. See General Notes.

- 1½" centerline dimension for reduced eccentricity.
- Use in vertical or horizontal applications.
- Install Simpson SDS1/4x2½" wood screws, which are supplied.
- Anchor bolt nuts should be finger tight plus ¼ to ½ turn with a wrench (*per ASTM test standards*).
- The load transfer plate is an integral part of the HHDQ; no additional washer is required.

CODES: See page 10 for Code Listing Key Chart.

Check factory for availability.



**Typical HHDQ11
Installation**

| Model No. | Ga | W | H | B | C | Anchor Dia. | No. of SDS ¼x2½" Wood Screws | Allowable Tension (lbs) 133/160 DF/SP | Allowable Tension (lbs) 133/160 SPF/HF | Holdown Deflection at Highest Allowable Tension Design Load | Code Ref. |
|---------------|----|---|------|-----|-----|-------------|------------------------------|---|--|---|-----------|
| HHDQ11-SDS2.5 | 7 | 3 | 18¾" | 3¼" | 1½" | 1 | 24 | 11445 | 9615 | 0.076 | 160 |
| HHDQ14-SDS2.5 | 7 | 3 | 21½" | 3¼" | 1½" | 1 | 30 | 14700 | 12350 | 0.081 | |

1. Allowable loads have been increased 33% or 60% for earthquake or wind loading. No further increase allowed, reduce where other loads apply.
2. Loads are based on static tests on wood posts, limited by the lowest of 0.125" deflection, ultimate divided by 3, or the SDS ¼x2½" screw value.

3. HHDQ's can be raised off the sill with no reduction in load or increase in deflection.
4. SDS screws install best with a low speed ½" drill with a ¾" hex head driver.
5. The Designer must specify anchor bolt type, length and embedment.
6. When using structural composite lumber columns, screws must be applied to the wide face of the column.