

Post Installed Input Information

Demand Load

lbs

7000 lbs

Wood Species

SPF/HF

Post Installed Holdown Solutions

Holdown Application	Holdown Model	Holdown Capacity	Deflection at Demand Load	Minimum Post Thickness	Anchor Bolt Diameter	Required Fasteners	Installed Cost Index*
Screwed	HDU11-SDS2.5	8045 lbs	0.119 in.	7.25 in.	1 in.	30-SDS 1/4"x2 1/2"	Lowest
Screwed	HDU14-SDS2.5	10350 lbs	0.12 in.	5.5 in.	1 in.	36-SDS 1/4"x2 1/2"	23%
Screwed	HHDQ11-SDS2.5	8505 lbs	0.108 in.	5.5 in.	1 in.	24-SDS 1/4"x2 1/2"	125%
Screwed	HHDQ14-SDS2.5	9370 lbs	0.08 in.	7.25 in.	1 in.	30-SDS 1/4"x2 1/2"	128%
Bolted	HD9B	8435 lbs	0.148 in.	4.5 in.	7/8 in.	3-7/8"x6" M.B.	102%

Note:

Holdown and Tension Tie allowable loads are based on installation with an anchor rod length of 6" from the concrete to the top of the holdown seat. The products may be raised to any height with consideration of the increased deflection due to additional bolt elongation.

*The Installed Cost Index is used to compare the relative installed costs of similar connectors in order to identify which are the least expensive to install. The values are determined by combining the estimated cost of the connector, fasteners and labor for each installation and then presenting them in order from "lowest" cost to highest, showing the percentage of cost increase for each option.