

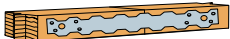
# EARTHQUAKE/HIGH WIND

Products on this page require a professional engineer to specify spacing, embedment and load requirements. Consult with your building department for local code requirements.

## FHA Strap Ties

All purpose, heavy-duty strap ties. Use where soles or plates are cut at wall intersections, and as ridge ties.

**FINISH:** G90 galvanized.



**Typical FHA Installation**  
(use 16d nails for all sizes)

## H Hurricane Ties

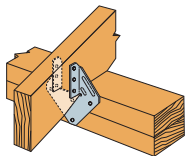
Provides wind and seismic ties for trusses and rafters. Use these connectors for general tie purposes, strongback attachments and as all-purpose ties where one member crosses another. The designs allow for installation on the inside of the member without interfering with the sheathing material.

**FINISH:** G90 or ZMAX galvanized. Some models available in stainless steel and require stainless steel fasteners. Use HDG fasteners for ZMAX.

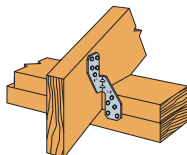
**INSTALLATION:**

- H1 and H10 do not replace solid blocking.

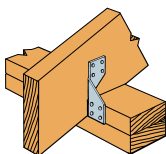
Use 8d nails for all sizes shown, except the H10, which requires 8dx1½"



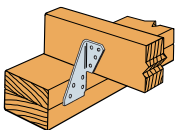
**Typical H1 Installation**



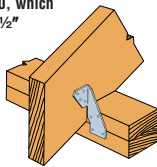
**Typical H2.5A Installation**



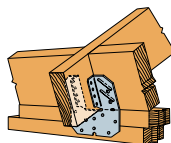
**Typical H3 Installation**



**Typical H4 Installation**



**Typical H5 Installation**



**Typical H10 Installation**

## HDA Holdowns

Holdowns are used to transfer tension loads between floors, to tie purlins to masonry or concrete, etc. Use HDAs for overturn requirements and other applications to transfer loads.

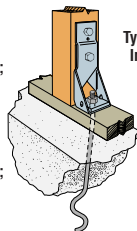
**FINISH:** G90 galvanized. Some models available in HDG, and required HDG fasteners.

**INSTALLATION:**

- Bolt holes shall be a minimum of ¼" to a maximum of ¼" larger than the bolt diameter.

**Anchor bolt:**  
5/8" for HD2A, HD5A;  
7/8" for HD6A, HD8A, HD10A;  
1" for HD14A.

**Stud machine bolt:**  
5/8" for HD2A,  
¾" for HD5A;  
7/8" for HD6A, HD8A, HD10A;  
1" for HD14A.



**Typical HD5A Installation**

Anchor bolt type, length and embedment must be specified by a qualified professional.

## PHD Holdowns

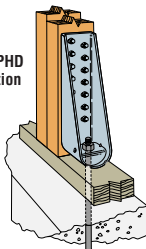
The predeflected holdown is a revolutionary development in holdown connections. Predeflected during manufacturing, the PHD virtually eliminates deflection from material stretch.

**FINISH:** G90 galvanized. HDG available for PHD2 and PHD5; these models require HDG fasteners.

**INSTALLATION:**

- Place the PHD over the anchor bolt.
- Install Simpson's code-recognized SDS¼x3 wood screws, which are provided with the holdown. (Lag screws will not achieve the same load.)
- For an improved connection, use a steel nylon locking nut or a thread adhesive on the anchor bolt. (No washer required.)
- To tie double 2x members together, the designer must determine the fasteners required to bind members to act as one unit without splitting the wood.

**Typical PHD Installation**



**Anchor bolt:**  
5/8" for PHD2-SDS3 and PHD5-SDS3;  
7/8" for PHD6-SDS3 and PHD8-SDS3.

**Stud screws:**  
SDS¼x3" for all sizes.

Anchor bolt type, length and embedment must be specified by a qualified professional.

### LOOKING FOR A PARTICULAR FINISH?

Most Simpson products are available in G90, the industry standard. Where greater corrosion protection is required, we offer the same product in ZMAX or HDG, or stainless steel. We are constantly modifying our product offering in response to our customers' needs. Contact us at (800) 999-5099 or [www.strongtie.com](http://www.strongtie.com) for a current list of products offered in ZMAX, HDG or stainless steel. See pg 5 for Corrosion Information.