

UPHD11 AND UPHD14 HIGH CAPACITY HOLDOWNS

Newest addition to our Holdown Product Line! The UPHD11 and UPHD14 holdowns are engineered for high capacity with minimum deflection and low eccentricity.

Features:

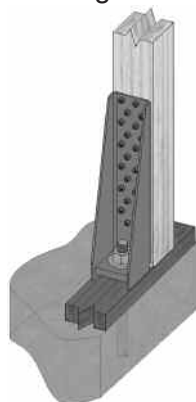
- Easy to install wood screws (included) eliminates the need to drill bolt holes.
- WS3 Wood Screws provide a lower profile than bolts.

Materials: See chart

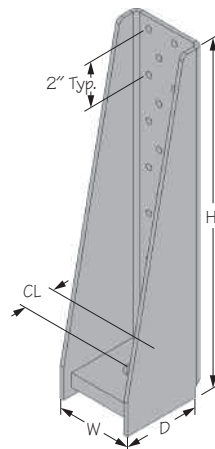
Finish: USP primer

Installation:

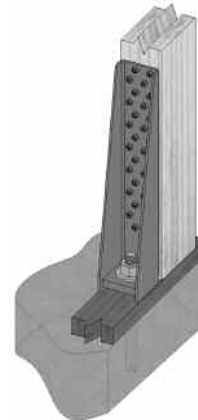
- Use all specified fasteners.
- Place holdown over anchor bolt and drive screws into post.
- Tighten anchor bolt nuts finger tight snug to base, plus $\frac{1}{3}$ to $\frac{1}{2}$ additional turns with a wrench. To prevent loosening of the anchor nut during critical loading, use a locking nut or tighten a second nut over the first to lock nuts in place.
- Holdown may be installed off of the plate with no load reduction.
- Post may be shimmed provided the shim acts as a single unit with the post. Holdown fasteners specified shall not be considered to attach shim to post. Shim shall be a structural material equal or better than the post material. Consult a designer or an engineer of record for appropriate fastening of shim.



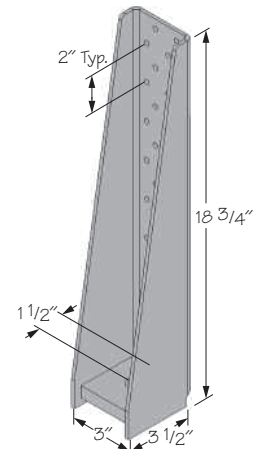
Typical UPHD11
Installation



UPHD11



Typical UPHD14
Installation



UPHD14

USP Stock No.	Ref. No.	Steel Gauge	Dimensions				Fastener Schedule			Allowable Loads (Lbs.) ^{1,5,7}			Deflection at 133% Allowable Design Load ^{3,5}	Ctn Qty	*2008 Retail Price Each
			W	H	D	CL	Anchor Bolts ²		WS3 (1/4 x 3) Wood Screws ⁶	DF-L / SP Uplift					
							Qty	Dia.		Qty	133%	160%			
UPHD8	--	10	3-1/4	17-1/4	3-1/8	1-3/8	1	7/8	24	9165	9165	0.08	6	\$48.78	
UPHD11	HHDQ11-SDS2.5	7	3	15-1/8	3-1/2	1-1/2	1	1	24	12515	14665	0.08	1	\$95.70	
UPHD14	HHDQ14-SDS2.5	7	3	18-3/4	3-1/2	1-1/2	1	1	30	15640	16695	0.08	1	\$101.62	

1) Allowable loads have been increased 33-1/3% or 60% for wind and seismic loads; no further increase shall be permitted.

2) The designer must specify anchor bolt type, length, and embedment.

3) Deflections are derived from static, monotonic load tests of devices connected to DF-L wood members with specified fasteners.

4) The designer shall consider the effect of compression, bearing, tension, and combined bending due to device eccentricity when applicable.

5) The UPHD may be elevated off the sill.

6) WS3 wood screws are 1/4" x 3" and are included with UPHD models.

7) Minimum post thickness is 3" for UPHD8, 3-1/2" for UPHD11, and UPHD14. Consult USP for installations less than these requirements.

*2008 Retail Pricing subject to change without notice.

USP supplies quality products to build Stronger Safer Structures



Customer Service:
Burnsville, MN
Phone: 1-800-328-5934
Fax: 1-507-364-8762

Manufacturing:
Montgomery, MN • Livermore, CA
Largo, FL • Thornhill, Ontario

Warehouses:
Houston, TX
Lumberton, NJ

www.USPconnectors.com

Information valid until February 28, 2010.

A GIBRALTAR INDUSTRIES COMPANY

USP2040-081

SALES SHEET