

# Girder Truss Hangers

## THDHQ series

The THDHQ hangers are designed to attach multi-ply girder trusses together using USP's WS Wood Screws for higher design load capacity. THDHQ hangers can also be used to attach structural composite lumber (SCL).

### Features:

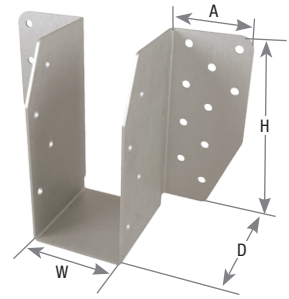
- High capacity hangers installed with fewer fasteners than comparable nailed hangers
- Easy to install wood screws (included)
- Faster installations
- Lower installation cost



Typical THDHQ28-2  
truss installation



Typical THDHQ28-2  
SCL installation



THDHQ28-2

**Materials:** 12 gauge

**Finish:** G90 galvanizing

**Codes:** ICC-ES ESR-3445, FL17232, COLA RR 25843

### Installation:

- Use all specified fasteners.
- WS Wood Screws are supplied with THDHQ hangers.

Joist / Truss Size	USP Stock No.	Ref. No.	Dimensions (in)				Fastener Schedule <sup>2,3</sup>				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)				Ctn Qty				
			W	H	D	A	Supporting Member <sup>5</sup>		Supported Member		Floor	Roof		Uplift <sup>1</sup>	Floor	Roof		Uplift <sup>1</sup>					
							Qty	Type	Qty <sup>4</sup>	Type		100%	115%			125%	160%			100%	115%	125%	160%
Double 2x Sizes																							
(2) 2 x 6 - 8	THDHQ26-2	HGUQ26-2-SDS3	3-5/16	5-7/16	4	1-15/16	12	WS3	4	WS3	5015	5745	5745	2015	4405	4560	4560	1600	10				
(2) 2 x 8 - 10	THDHQ28-2	HGUQ28-2-SDS3	3-5/16	7-3/16	4	2-13/16	20	WS3	8	WS3	8355	9610	10165	3645	7340	8140	8140	2920	8				
(2) 2 x 10 - 12	THDHQ210-2	HGUQ210-2-SDS3	3-5/16	9-3/16	4	2-13/16	28	WS3	8	WS3	10840	10880	10880	5345	8035	8475	8715	4500	6				
Triple 2x Sizes																							
(3) 2 x 6 - 8	THDHQ26-3	HGUQ26-3-SDS4.5	4-15/16	5-7/16	4	1-15/16	12	WS45	4	WS45	5015	5745	5745	2015	4405	4545	4545	1595	10				
(3) 2 x 8 - 10	THDHQ28-3	HGUQ28-3-SDS4.5	4-15/16	7-3/16	4	2-13/16	20	WS45	8	WS45	8355	9610	10165	3645	7340	8095	8095	2900	8				
(3) 2 x 10 - 12	THDHQ210-3	HGUQ210-3-SDS4.5	4-15/16	9-3/16	4	2-13/16	28	WS45	8	WS45	10880	10880	10880	5345	8665	8665	8665	4475	6				
Quadruple 2x Sizes																							
(4) 2 x 6 - 8	THDHQ26-4	HGUQ26-4-SDS6	6-9/16	5-7/16	4	1-15/16	12	WS6	4	WS6	5015	5745	5745	2600	4405	4535	4535	2050	8				
(4) 2 x 8 - 10	THDHQ28-4	HGUQ28-4-SDS6	6-9/16	7-3/16	4	2-13/16	20	WS6	8	WS6	8355	9610	10165	4830	7340	8070	8070	3830	6				
(4) 2 x 10 - 12	THDHQ210-4	HGUQ210-4-SDS6	6-9/16	9-3/16	4	2-13/16	28	WS6	8	WS6	10880	10880	10880	4440	8635	8635	8635	3525	4				
4x Sizes																							
4 x 6 - 8	THDHQ46	HGUQ46-SDS3	3-5/8	5-7/16	4	1-15/16	12	WS3	8	WS3	5015	5745	5745	2015	4405	4590	4590	1610	8				
4 x 8 - 10	THDHQ48	HGUQ48-SDS3	3-5/8	7-3/16	4	2-13/16	20	WS3	8	WS3	8355	9610	10165	3645	7340	8120	8120	2910	6				
4 x 10 - 12	THDHQ410	HGUQ410-SDS3	3-5/8	9-3/16	4	2-13/16	28	WS3	8	WS3	10880	10880	10880	5345	8690	8690	8690	4490	4				

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) WS3 is 1/4" x 3" long wood screw, WS45 is 1/4" x 4-1/2" long wood screw, WS6 is 1/4" x 6" long wood screw and are included with THDHQ hangers.

3) WS Wood Screws may be installed through metal truss connector plates as approved by truss designer per ANSI/TPI 1-2007 Section 7.5.3.4 and 8.9.2. Pre-drilling required through the plate using a maximum of 5/32" bit.

4) Wood screws specified for supported member must ALL be installed into the supported member while maintaining a minimum 5/8-in edge distance where truss connector plates are not present.

5) When fastening to a multi-ply supporting truss: use WS3 for 2-ply, WS45 for 3-ply and WS6 for 4-ply.