

Girder Truss Hangers

THDHQ series

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

Features:

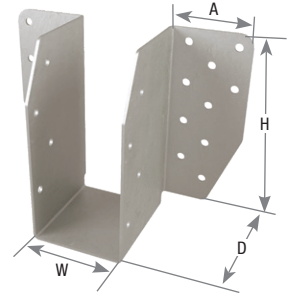
- High capacity hangers installed with fewer fasteners than comparable nailed hangers
- Easy to install wood screws (included)
- Faster installations
- Lower installation cost



Typical THDHQ28-2 truss installation



Typical THDHQ28-2 SCL installation



THDHQ28-2

Materials: 12 gauge

Finish: G90 galvanizing

Codes: IBC, FL, LA

Installation:

- Use all specified fasteners.
- MiTek's WS structural wood screws are supplied with THDHQ hangers.

Joist / Truss Size	MiTek Stock No.	Ref. No.	Dimensions (in)				Fastener Schedule ^{2,3}				DF/SP Allowable Loads (Lbs.)				S-P-F Allowable Loads (Lbs.)			
			W	H	D	A	Supporting Member ⁵		Supported Member		Floor	Roof	Uplift ¹	Floor	Roof	Uplift ¹		
							Qty	Type	Qty ⁴	Type							100%	115%
Double 2x Sizes																		
(2) 2 x 6 - 8	THDHQ26-2	--	3-5/16	5-7/16	4	1-15/16	12	WS3	4	WS3	5015	5745	5745	2055	4405	4560	4560	1630
(2) 2 x 8 - 10	THDHQ28-2	--	3-5/16	7-3/16	4	2-13/16	20	WS3	8	WS3	8355	9540	9540	3645	7340	7640	7640	2920
(2) 2 x 10 - 12	THDHQ210-2	--	3-5/16	9-3/16	4	2-13/16	28	WS3	8	WS3	10840	10880	10880	5270	8035	8475	8715	4220
Triple 2x Sizes																		
(3) 2 x 6 - 8	THDHQ26-3	--	4-15/16	5-7/16	4	1-15/16	12	WS45	4	WS45	5015	5745	5745	2055	4405	4545	4545	1625
(3) 2 x 8 - 10	THDHQ28-3	--	4-15/16	7-3/16	4	2-13/16	20	WS45	8	WS45	8355	9540	9540	3645	7340	7595	7595	2900
(3) 2 x 10 - 12	THDHQ210-3	--	4-15/16	9-3/16	4	2-13/16	28	WS45	8	WS45	10880	10880	10880	5270	8665	8665	8665	4195
Quadruple 2x Sizes																		
(4) 2 x 6 - 8	THDHQ26-4	--	6-9/16	5-7/16	4	1-15/16	12	WS6	4	WS6	5015	5745	5745	2490	4405	4535	4535	1965
(4) 2 x 8 - 10	THDHQ28-4	--	6-9/16	7-3/16	4	2-13/16	20	WS6	8	WS6	8355	9540	9540	4530	7340	7570	7570	3595
(4) 2 x 10 - 12	THDHQ210-4	--	6-9/16	9-3/16	4	2-13/16	28	WS6	8	WS6	10880	10880	10880	4200	8635	8635	8635	3335
4x Sizes																		
4 x 6 - 8	THDHQ46	--	3-5/8	5-7/16	4	1-15/16	12	WS3	8	WS3	5015	5745	5745	2055	4405	4590	4590	1640
4 x 8 - 10	THDHQ48	--	3-5/8	7-3/16	4	2-13/16	20	WS3	8	WS3	8355	9540	9540	3645	7340	7625	7625	2910
4 x 10 - 12	THDHQ410	--	3-5/8	9-3/16	4	2-13/16	28	WS3	8	WS3	10880	10880	10880	5270	8690	8690	8690	4210

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

2) MiTek's WS3 (1/4" dia. x 3" long), WS45 (1/4" dia. x 4-1/2" long), and WS6 (1/4" dia. x 6" long) structural wood screws are included with THDHQ hangers.

3) MiTek's WS structural wood screws may be installed through metal truss connector plates as approved by truss designer per ANSI/TPI 1-2014 Section 7.5.3.4 and 8.9.2. Pre-drilling required through the plate using a maximum of 5/32" bit.

4) MiTek's WS structural wood screws specified for supported member must ALL be installed into the supported member while maintaining a minimum 5/8" edge distance where truss connector plates are not present.

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