

## Medium Duty Joist and Truss Hangers

CDAHU is a face-mount hanger designed for wood plate trusses and heavily loaded members with a 2-3/4" seat dimension.

### MATERIAL SPECIFICATIONS

**Gauge:** 18ga (43mil)

**Design Thickness:** 0.0451 inches

**Coating:** G90 (Z275) hot-dipped galvanized coating

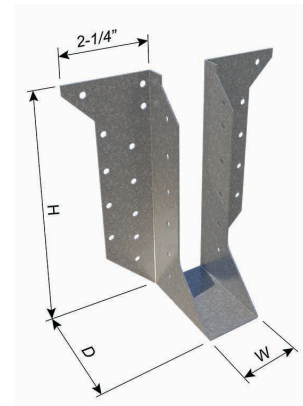
**Yield Strength:** Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

### PRODUCT DIMENSIONS

**JOIST SIZES:** Singles and Doubles, 2x4, 2x6, 2x8

### CODE REPORT

- ICC-ES ESR-5062



CDAHU Installation

## Medium Duty Joist and Truss Hangers (CDAHU)

Spruce Pine-Fir (0.42 Specific Gravity)													
Product code	Gauge	Hanger Dimensions <sup>1</sup> (in)			Fasteners <sup>2</sup>				Allowable Load <sup>3,4,5</sup>				
		Width, W	Height, H	Depth, D	Joist		Wall Plate		Download			Uplift	
					Size	Qty	Size	Qty	C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60	
CDAHU26	18	1-9/16	5-1/2	2-3/4	10d x 1-1/2	8	16d Comm	24	2560	2585	2585	1000	
CDAHU28	18	1-9/16	6-1/2	2-3/4	10d x 1-1/2	12	16d Comm	24	2875	3140	3265	1605	
CDAHU210	18	1-9/16	8-1/2	2-3/4	10d x 1-1/2	16	16d Comm	24	2875	3305	3595	2575	
CDAHU26-2	18	3-7/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	2590	2590	2590	1000	
CDAHU46	18	3-9/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	2590	2590	2590	1000	

Douglas Fir-Larch (0.50 Specific Gravity)													
Product code	Gauge	Hanger Dimensions <sup>1</sup> (in)			Fasteners <sup>2</sup>				Allowable Load <sup>3,4,5</sup>				
		Width, W	Height, H	Depth, D	Joist		Wall Plate		Download			Uplift	
					Size	Qty	Size	Qty	C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60	
CDAHU26	18	1-9/16	5-1/2	2-3/4	10d x 1-1/2	8	16d Comm	24	3075	3075	3075	1190	
CDAHU28	18	1-9/16	6-1/2	2-3/4	10d x 1-1/2	12	16d Comm	24	3350	3850	4030	1910	
CDAHU210	18	1-9/16	8-1/2	2-3/4	10d x 1-1/2	16	16d Comm	24	3350	3850	4185	3000	
CDAHU26-2	18	3-7/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	3075	3075	3075	1190	
CDAHU46	18	3-9/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	3075	3075	3075	1190	

Southern Pine (0.55 Specific Gravity)													
Product code	Gauge	Hanger Dimensions <sup>1</sup> (in)			Fasteners <sup>2</sup>				Allowable Load <sup>3,4,5</sup>				
		Width, W	Height, H	Depth, D	Joist		Wall Plate		Download			Uplift	
					Size	Qty	Size	Qty	C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60	
CDAHU26	18	1-9/16	5-1/2	2-3/4	10d x 1-1/2	8	16d Comm	24	3345	3345	3345	1290	
CDAHU28	18	1-9/16	6-1/2	2-3/4	10d x 1-1/2	12	16d Comm	24	3635	4085	4235	2060	
CDAHU210	18	1-9/16	8-1/2	2-3/4	10d x 1-1/2	16	16d Comm	24	3635	4180	4540	3075	
CDAHU26-2	18	3-7/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	3345	3345	3345	1290	
CDAHU46	18	3-9/16	5-1/2	2-3/4	10d Comm	8	16d Comm	24	3345	3345	3345	1290	

### Notes (con't):

- The tabulated allowable uplift loads have been increased for wind and seismic loading with no further increase is allowed. The tabulated allowable uplift loads must be reduced when other load duration govern.
- CDAHU hangers have a torsional moment capacity rating of 75 pounds (334 N) times the depth of the joist at which the lateral movement of either the top or bottom of the joist with respect to the original vertical position of the joist is 0.125 inch (3.2mm).

### Notes:

For SI: 1 inch = 25.4 mm,  
1 pound (lb) = 4.45 N

- See images for hanger dimension definitions of W, H, and D.
- Refer to Section 3.2.3 of ESR-5062 for nail sizes and the required minimum physical properties.
- The tabulated allowable loads have been adjusted for the load duration factors, C<sub>D</sub>, as shown, in accordance with the NDS. The tabulated allowable loads do not apply to loads of other load durations, and are not allowed to be adjusted for other load durations. See Sections 4.1 and 4.2 of ESR-5062 for additional design and installation requirements.
- The tabulated allowable loads are for installations on wood members complying with Section 3.2.1 of the ESR-5062 report. Wood members must also have a reference compressive perpendicular to grain design value, F<sub>c-perp</sub>, respectively for the wood species noted in the table.