

**Truss and Rafters**
**06.00.00 (Wood, Plastics and Composites)**

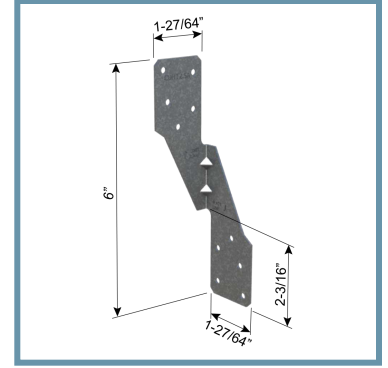
## Hurricane Ties

### CDHT2\_5A

Used as a connection between truss/rafters and walls to resist lateral and uplift conditions.

### Product Data & Ordering Information:

<b>Material</b>	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
<b>Coating</b>	G90 (Z275) hot-dipped galvanized coating (G185 available)
<b>Thickness</b>	18ga (43mil), 0.0451" Design thickness, 0.0428" Minimum thickness
<b>Dimensions</b>	CDHT2_5A = 1-5/8" x 6"
<b>Packaging</b>	100 pcs/ctn
<b>Product weight</b>	0.10 lbs/ea



### Code Approvals & Performance Standards

- [ASTM A653](#) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- [ASTM A1003](#) Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- [IBC 2021](#) International Building Code
- [IRC 2021](#) International Residential Code
- [ICC-ES ESR-5079](#) Evaluation report for clips, angles and hurricane ties
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories



**Sustainability Credits** For more details and LEED letters contact Technical Services at 888-437-3244 or visit [clarkdietrich.com/LEED](http://clarkdietrich.com/LEED).

- **LEED v4.1 MR Credit:** Environmental Product Declarations: EPD (1 point) - Sourcing of Raw Materials (up to 2 points) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points)
- **LEED v4 MR Credit:** Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

Product Code	Gauge	Type	Fasteners Scheduling				Load Dir	Allowable Load (lbf)			
			Stud Qty	Plate Qty	Truss Qty	Load		C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60
			--	5	5			F <sub>1</sub>	380	380	380
CDHT2_5A	18	8d x 2.5 #9-15 x 2.5	--	5	5	F <sub>1</sub>	450	450	450	450	
CDHT2_5A	18	8d x 2.5 #9-15 x 2.5	--	5	5	F <sub>2</sub>	295	295	295	295	
CDHT2_5A	18	8d x 2.5 #9-15 x 2.5	--	5	5	Uplift	445	445	445	445	
CDHT2_5A	18	8d x 2.5 #9-15 x 2.5	--	5	5	Uplift	450	450	450	450	

#### Notes:

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

1 The tabulated allowable loads have been adjusted for the load duration factors, CD, 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-5079 for additional design and installation requirements.

2 The tabulated allowable loads are for installations on wood members complying with Section 3.2.1 of the ESR-5079 report. Wood members must also have a reference compressive perpendicular to grain design value, F<sub>c</sub>-perp, of 625 psi (4.31 MPa) or greater.

3 Refer to images for product dimensions.

4 Refer to Section 3.2.3 of ESR-5079 for nail sizes and the required minimum physical properties.

5 ITW Buildex Trugrip metal-to-wood screws. Refer to [www.itwbuildex.com](http://www.itwbuildex.com) for the required physical properties.

6 F<sub>1</sub> is the load parallel to truss or joist and F<sub>2</sub> is the load perpendicular to truss or joist.