

Framing Angles

CDFA2 - Angles and Straps

CDFA2 framing angles provide the builder with the industry's most versatile framing angle including:

- Prongs – permit faster and easier installation.
- Bending slots – make accurate bends for all 2- and 3-way anchoring ties on the job.

CDFA2 framing angles have been designed especially for use on 2x4, 2x3, and 3x4 framing.

Product Data & Ordering Information:

Material	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
Coating	G90 (Z275) hot-dipped galvanized coating (G185 available)
Thickness	18ga (43mil), 0.0451" Design thickness, 0.0428" Minimum thickness
Dimensions	1-9/16" x 2-3/8"
Packaging	100 pcs/ctn
Product weight	0.08 lb/ea

Product Code	Gauge	Qty	Dimensions (in)			Fastener Scheduling			Load	Allowable Load				
			W	L1	L2	Type	Joist	Header		C _D =1.00	C _D =1.15	C _D =1.25	C _D =1.60	
							Qty	Qty						Dir
CDFA2	18	2	1-9/16	2-3/8	1-9/16	10d x 1-1/2	8	8	F ₁	800	800	800	800	
CDFA2	18	1	1-9/16	2-3/8	1-9/16	10d x 1-1/2	4	4	F ₁	400	400	400	400	

Notes:

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

1 The tabulated allowable loads have been adjusted for the load duration factors, C_D, 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.

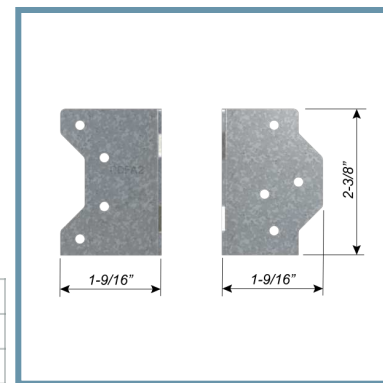
2 The tabulated allowable loads are for installations on wood members complying with Section 3.2.2 of the ESR-5079 report.

3 Refer to image for angle dimensions.

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

5 Number of hangers required for the connections: "2" = one on each side of the joist. "1" = one on one side of the joist. If a single angle is installed on each end of a supported member, the angles must be installed on opposite sides of the supported member, or wood blocking must be installed to prevent rotation.

6 F₁ is the vertical load.



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.

- **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).