

Gusset Clips

CDGC

A one-piece design provides 3-way connection (top-bottom-side) for variety of applications. Erection nail holes are provided to speed up installation.

The CDGC1 and CDGC2 attaches to truss gables and can be installed into wood. This provides greater lateral wind resistance.

Product Data & Ordering Information:

Material	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
Coating	G90 (Z275) hot-dipped galvanized coating
Thickness	18ga (43mil), 0.0451 Design thickness, 0.0428 Minimum thickness
Dimensions	CDGC1 = 2-25/32" x 1-1/64" CDGC2 = 3-5/16" x 1-19/64"
Packaging	100pcs/ctn
Product weight	CDGC1 = 0.06 lb/ea CDGC2 = 0.10 lb/ea

Product Code	Gauge	Dimensions (in)			Fastener Scheduling				Load	Allowable Load				
		H	L1	L2	Header		Joist			Dir	C _D 1.00	C _D 1.15	C _D 1.25	C _D 1.60
					Qty	Type	Qty	Type						
CDGC1	18ga	2-25/32"	1-1/64"	1-1/64"	2	10d x 1-1/2"	2	10d x 1-1/2"	F ₁	235	235	235	235	
									F ₂	275	275	275	275	
CDGC2	18ga	3-5/16"	1-19/64"	1-19/64"	3	10d x 1-1/2"	3	10d x 1-1/2"	F ₁	320	320	320	320	
									F ₂	400	400	400	400	

Notes:

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

1 The tabulated allowable loads are for a single angle.

2 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 in ESR-0579 for additional design and installation requirements.

3 The tabulated allowable loads are for installations on wood members complying with Section 3.2.1 of the ESR-5079 report.

4 See images below for dimension definitions of W, L1 and L2.

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

6 F₁ is the vertical download and F₂ is the load parallel to the header.

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
- [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).

