

Gusset Clips

A one-piece design provides 3-way connection (top-bottom-side) for a 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.

MATERIAL SPECIFICATIONS

Gauge: 18ga (43mil)

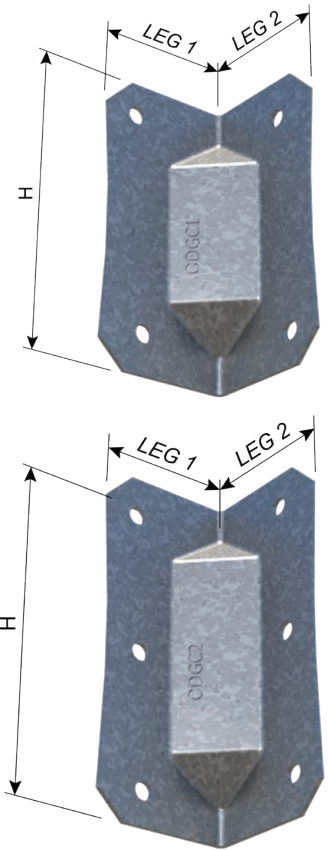
Design Thickness: 0.0451 inches

Coating: G90 (Z275) hot-dipped galvanized coating

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

CODE REPORT

- ICC-ES ESR-5079



Gusset Clips (CDGC)

| Product Code | Gauge | Dimensions ⁴ | | | Fastener Scheduling | | | | LOAD ⁶ DIR. | Allowable Load (lbf) | | | |
|--------------|-------|-------------------------|----------|----------|---------------------|-------------------|-------|-------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | H | L1 | L2 | Header | | Joist | | | C _D = 1.00 | C _D = 1.15 | C _D = 1.25 | C _D = 1.60 |
| | | | | | Qty. | Type ⁵ | Qty. | Type ⁵ | | | | | |
| CDGC1 | 18 | 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 | 18 | 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.



CDGC1 Installation



CDGC2 Installation

