

## G-Series Gusset Plate (G686)

### 68mils (14ga) Gusset plate for easier and faster attachments of X-Bracing or roof framing

The G-Series™ gusset plates are multipurpose connectors used in a variety of framing connections including roof framing, header framing and shear wall applications. Adapts to varying construction tolerances and multiple configurations.

The G-Series™ gusset plate is also prepunched with a series of round, square and triangle holes to ensure proper fastener placement for specified loads.

#### 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
<b>Thickness:</b>	68mils (14ga) 0.0713" Design thickness 0.0677" Minimum thickness
<b>Dimensions:</b>	6" x 8-1/2" long (152.4mm x 215.9mm)
<b>Packaging:</b>	50 pieces per bucket
<b>Product Weight:</b>	1.02 lb / piece

#### Installation:

Install the G-Series™ Gusset Plate to reinforce framing connections including x-bracing, roof trusses, shear walls headers, etc. Install the required number of screws as needed to achieve the required loading. It is recommended that you enlist the services of a qualified professional engineer to verify the applicability of the system selected.

#### 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
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

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- **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).

