

**Flat Unpunched Gusset Plates**

**Product Category:** Structural: specification section 05 40 00 (may also be used for spec. 09 22 16)  
**Available Coatings:** G60 (standard), G90      **Yield Strength:** 33 KSI or 50 KSI  
**Product Name:** Gusset Plate      **AISI Nomenclature:** n/a

**Gusset Plate Notes:**

Gusset plates are available in all structural thicknesses, widths, and lengths up to 10 feet. They may be used for truss construction, ends of diagonal strap X bracing, anchors at the base of walls, force transfer locations at floor-wall or floor-roof intersections, or other locations where flat steel is required.

**MATERIAL PROPERTIES**

Available Thicknesses & Yield Strengths:

Gusset Plate Mil thickness	Gauge Reference	Minimum Thickness	Design Thickness	Minimum Yield Strength	Tensile Strength
33 mil	20 (structural)	0.0329	0.0346	33 KSI	45 KSI
43 mil	18	0.0428	0.0451	33 KSI	45 KSI
54 mil	16	0.0538	0.0566	50 KSI	65 KSI
68 mil	14	0.0677	0.0713	50 KSI	65 KSI
97 mil	12	0.0966	0.1017	50 KSI	65 KSI
118 mil	10	0.118	0.1242	50 KSI	65 KSI

Available lengths: from 1" to 120"

Available widths: from 1" to 48"

Available Coatings: G60, G90

**CODES & STANDARDS**

*Super Stud products comply with the applicable provisions of the following:*

International Building Code (IBC) 2006 - 2015

Sheet Steel: ASTM A1003 & ASTM A653

Galvanized Coating: ASTM A653

Members & Tolerances: ASTM C955

Meets ASTM C1007 when installed properly in structure

3<sup>rd</sup> Party Certification: Manufacturing verified & inspected by Home Innovation Research Labs, Inc.

