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
Product Name: Gusset Plate

Yield Strength: 33 KSI or 50 KSI

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:

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

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:
Sheet Steel: ASTM A1003 & ASTM A653
Galvanized Coating: ASTM A653
Members & Tolerances: ASTM C955
Meets ASTM C1007 when installed properly in structure
3rd Party Certification: Manufacturing verified & inspected by Home Innovation Research Labs, Inc.