# Beam & Girder Clamps

## Model F - Beam Grabs

**PRODUCT FEATURES:**
- Heavy duty design.
- These grabs provide an efficient method for handling wide flange beam sections and plate girders.
- Clamps have a recessed base to accept studs welded to a beam's surface.
- Beam grabs eliminate the need for slings, chokers and spreader bars.
- Designed and manufactured to ASME B30.20
- For longer beams or girders, use units in pairs in conjunction with a spreader/lifting beam.

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity (tons)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Flange Width</th>
<th>Flange Thickness</th>
<th>Dimensions in Inches</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-5</td>
<td>5</td>
<td>5</td>
<td>22.7</td>
<td>15.7</td>
<td>11.6</td>
<td>4</td>
<td>S 3 11.6 3 T 2 M 4.6 L .5 P .5</td>
<td>68</td>
</tr>
<tr>
<td>F-15</td>
<td>15</td>
<td>15</td>
<td>30.1</td>
<td>25.1</td>
<td>17</td>
<td>7</td>
<td>S 4 17 4 T 2.5 M 7.3 L .9 P .8</td>
<td>187</td>
</tr>
<tr>
<td>F-25</td>
<td>25</td>
<td>25</td>
<td>44.8</td>
<td>45.2</td>
<td>24.3</td>
<td>16-24</td>
<td>S 5-1/2 24.3 6 T 4 M 9.8 L 1.3 P .8</td>
<td>594</td>
</tr>
<tr>
<td>F-35</td>
<td>35</td>
<td>35</td>
<td>52.9</td>
<td>61.6</td>
<td>28.5</td>
<td>16-36</td>
<td>S 6 28.5 9.3 T 4-1/2 M 8.5 L .8 P .8</td>
<td>833</td>
</tr>
</tbody>
</table>

## Base Dimensions

Models have bases cut out to avoid interference of studs.

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## Operation

Lower grab onto the beam and, if necessary, lift tong arms to allow them to slide under flanges of the beam. When the clamp is lifted, its center plate and gripping tongs work against each other... the heavier the beam, the greater the clamping pressure.

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**WARNING**

Decreasing the load by bumping or substantial imbalance can, under certain circumstances, loosen the grip. Do not use on flange widths less than those specified on the name plate.
Model GC - Girder Clamps

PRODUCT FEATURES:
- These clamps provide an efficient method for handling wide flange beam sections and plate girders.
- Screw-spindle design ensures positive grip.
- Simple design ensures minimum maintenance.
- Left-hand thread and right-hand thread screw spindle allows for rapid clamping and unclamping.
- Jaw aperture adjusts to a wide range of beam types and flange widths.
- Designed and manufactured to ASME B30.20

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity</th>
<th>Flange Width</th>
<th>Max. Flange Thickness</th>
<th>Dimensions in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tons</td>
<td>Min - Max</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>GC - 15</td>
<td>15</td>
<td>6 - 24</td>
<td>3.9</td>
<td>1.6</td>
</tr>
<tr>
<td>GC - 20</td>
<td>20</td>
<td>6 - 24</td>
<td>5</td>
<td>2.1</td>
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<tr>
<td>GC - 25</td>
<td>25</td>
<td>6 - 24</td>
<td>5</td>
<td>2.1</td>
</tr>
</tbody>
</table>

Operation

**WARNING**

Decreasing the load by bumping or substantial imbalance can, under certain circumstances, loosen the grip. Do not use on flange widths less than those specified.

For lifting and/or positioning structural beams. Can be used in pairs in conjunction with a spreader beam for additional versatility.
# Beam & Girder Clamps

## Model BFC - Beam Flange Clamp

**PRODUCT FEATURES:**
- Rated load capacities from 1 to 5 tons.
- Light weight and portable design.
- Left-hand thread and right-hand thread screw spindle allows for rapid clamping and unclamping.
- Jaw aperture adjusts to a wide range of beam types and flange widths.
- Built-in suspension pin provides lower headroom.
- Available with Large Bail option for oversized hoist hooks.
- Designed and manufactured to ASME B30.20

**LARGE BAIL OPTION**

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity Tons</th>
<th>A*</th>
<th>B Max</th>
<th>C</th>
<th>D</th>
<th>F Dia.</th>
<th>G</th>
<th>Option LB</th>
<th>Weight (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>BFC - 1</td>
<td>1</td>
<td>3</td>
<td>7 1/2</td>
<td>10 1/2</td>
<td>3</td>
<td>3 3/4</td>
<td>4 1/2</td>
<td>7</td>
<td>2 1/2</td>
</tr>
<tr>
<td>BFC - 2 1/2</td>
<td>2 1/2</td>
<td>3</td>
<td>7 1/2</td>
<td>10 1/2</td>
<td>3</td>
<td>3 3/4</td>
<td>4 1/2</td>
<td>7</td>
<td>2 1/2</td>
</tr>
<tr>
<td>BFC - 5</td>
<td>5</td>
<td>6</td>
<td>12</td>
<td>15</td>
<td>4 1/2</td>
<td>4 5/8</td>
<td>6 3/8</td>
<td>9 1/2</td>
<td>1 3/8</td>
</tr>
</tbody>
</table>

*Maximum Beam Flange Thickness 1" - All Sizes

**OPTIONS:**

**OPTION LB (LARGE BAIL)**

**Applications**

- Allows for the capability of hanging hoists or rigging from an overhead load bearing structure.
- For lifting and/or positioning structural beams. Can be used in pairs in conjunction with a spreader beam for additional versatility.
Beam & Girder Clamps

Model BC - Beam Clamp

PRODUCT FEATURES:
- Rated load capacity of one ton.
- Economical and convenient.
- Lightweight and portable design, high strength construction.
- Designed and manufactured to ASME B30.20.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity</th>
<th>Flange Min. (in.)</th>
<th>Flange Max. (in.)</th>
<th>Weight (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>55 - 1</td>
<td>1</td>
<td>4</td>
<td>6</td>
<td>10</td>
</tr>
</tbody>
</table>

Shackle not included (11/16 dia. hole for up to 2 ton shackle)

13/16" DIA. FOR UP TO 2T SHACKLE

For lifting and/or positioning structural beams. Can be used in pairs in conjunction with a spreader beam for additional versatility

Allows for the capability of hanging hoists or rigging from an overhead load bearing structure

Model BT - Beam Tongs

PRODUCT FEATURES:
- Tong leverage exerts an ever tightening grip on the beam flange.
- Tong provided with lifting shackle.
- Load must be balanced and controlled when lifting.
- May be used in pairs in conjunction with a spreader beam.
- Designed and manufactured to ASME B30.20.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Rated Capacity in Tons</th>
<th>Dimensions in Inches</th>
<th>Beam Width Min - Max (in.)</th>
<th>Max Flange Thickness (in.)</th>
<th>Weight (lbs.)</th>
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<tbody>
<tr>
<td>111 - 1</td>
<td>1</td>
<td>5 - 6</td>
<td>5/8</td>
<td>17</td>
<td>15</td>
</tr>
<tr>
<td>111 - 2</td>
<td>2</td>
<td>6 1/2 - 8</td>
<td>3/4</td>
<td>19</td>
<td>18</td>
</tr>
<tr>
<td>111 - 3</td>
<td>3</td>
<td>7 1/2 - 10</td>
<td>3/4</td>
<td>19</td>
<td>21</td>
</tr>
</tbody>
</table>

MAX. BEAM WIDTH