### 12" x 12" x 120" Standard Bolt Plate Truss Load Capacity Table (Repetitive Use)

<table>
<thead>
<tr>
<th>TRUSS SPAN</th>
<th>UNIFORMLY DISTRIBUTED LOAD LOAD (lb)</th>
<th>DEFL. (in)</th>
<th>CENTER POINT LOAD LOAD (lbs)</th>
<th>DEFL. (in)</th>
<th>THIRD POINT LOAD LOAD (lbs)</th>
<th>DEFL. (in)</th>
<th>QUARTER POINT LOAD LOAD (lbs)</th>
<th>DEFL. (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10'-0&quot;</td>
<td>247</td>
<td>0.079</td>
<td>1360</td>
<td>0.079</td>
<td>765</td>
<td>0.076</td>
<td>680</td>
<td>0.093</td>
</tr>
<tr>
<td>20'-0&quot;</td>
<td>78</td>
<td>0.462</td>
<td>741</td>
<td>0.360</td>
<td>383</td>
<td>0.300</td>
<td>357</td>
<td>0.408</td>
</tr>
<tr>
<td>30'-0&quot;</td>
<td>43</td>
<td>1.352</td>
<td>665</td>
<td>1.130</td>
<td>371</td>
<td>1.090</td>
<td>333</td>
<td>1.330</td>
</tr>
<tr>
<td>40'-0&quot;</td>
<td>21</td>
<td>2.290</td>
<td>316</td>
<td>1.520</td>
<td>269</td>
<td>2.040</td>
<td>170</td>
<td>1.840</td>
</tr>
</tbody>
</table>

### Table Usage Notes:
1. The truss is supporting vertical loads only, i.e. the truss diagonals are oriented vertically and no lateral loads are applied to the truss.
2. The truss is analyzed as a simple span beam. Truss support points are located at truss panel points.
3. The truss has been analyzed for static loads only.
4. All loads are applied at the centroid of the truss between the two ladder trusses below the truss.
5. All loads are applied at the panel points of the truss as to not induce local bending stresses in the chords.
6. All capacities are reduced by 0.85 per ANSI E1.2-2012 for repetitive use members.
7. Selfweight has been considered.
8. Maximum deflection limited to span/180.

Information extracted from the structural report by:

---

**Notes:**

**TITLE:** 12" X 12" X 120" STANDARD TRUSS

**WEIGHT:** 62 lbs

**CREATION DATE:** 02/27/2014

**AUTHOR:** NATHAN V

**TOLERANCE:** +/- 0.010 (0.254mm) U.O.S

**REVISION:** A