Above factors could be higher or lower than those listed depending on the quality of the installation of the pile, your achievable capactities, and the strength of the foundation bracket connection and the individual elements including the capacity of the foundation bracket, pile shaft, helical plate, and bearing strap, as well as the capacity of the underlying system as a function of many factors. The ASCE Code of 1997 states all welding is to be done by welders certified under Section 5 of the AWS Code of 1997.

1. Polyethylene Copolymer Thermoplastic Coating Per ICC-ES AC228.
2. Manufacturer to have in effect industry recognized written quality control for all materials and manufacturing processes.
3. Minimum industry acceptable recognition by manufacture. To have in effect industry recognized quality control.

<table>
<thead>
<tr>
<th>Bearing Area Factor</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 lbf</td>
<td>9</td>
<td>Torque Correlation</td>
</tr>
<tr>
<td>8,200 ft-lbs</td>
<td>2</td>
<td>Torque Rating of 2</td>
</tr>
<tr>
<td>33,700 lbs</td>
<td>2</td>
<td>Allowable Capacity (PSI)</td>
</tr>
<tr>
<td>67,400 lbs</td>
<td>2</td>
<td>Ultimate Pile Assembly</td>
</tr>
</tbody>
</table>

**Notes:**

- Tension Loads
- Compression and Helical Plates as Required
- Wall Thickness
- 2 ½" Ø pile w/o 0.217" Wall Thickness
- FY = MIN. 65 KSI
- SF = MIN. 65 KSI
- 1 ½" Ø x 4-0" guide
- 4 ½" Ø Sleeve
- Fastening Strap
- All threads with 1/2" dia.
- 4021 Bracket = 2 ¾" Helical Pile

**Diagrams:**

- Top View
- Side View
- Front View