Concrete foundation
(See sketch of rebar before construction)

Supporting plate
Standard: ASTM A36 - Steel
(see note #6)

Steel shaft
Standard: ASTM A500 grade C - Circular steel section
(see note #6)

8" to 24"
[203 to 610mm]
Helix diameter varies according to soil conditions and desired loading capacity.
(see note #5)

1/2" [12.7mm] thick factory-welded helix for models P3, P4, P5 and P6
Standard: ASTM A36 - Steel
(see note #6)

<table>
<thead>
<tr>
<th>Model</th>
<th>Diameter (in)</th>
<th>Thickness (mm)</th>
<th>Maximum compressive bearing capacity (lbs)</th>
<th>Lateral bearing capacity (lbs)</th>
<th>Factored bending resistance (lbs-ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3</td>
<td>3.5</td>
<td>88.9</td>
<td>33,750</td>
<td>2,250</td>
<td>6,454</td>
</tr>
<tr>
<td>P3 HD</td>
<td>3.5</td>
<td>88.9</td>
<td>50,625</td>
<td>2,250</td>
<td>9,057</td>
</tr>
<tr>
<td>P4</td>
<td>4.0</td>
<td>101.6</td>
<td>45,000</td>
<td>2,700</td>
<td>9,411</td>
</tr>
<tr>
<td>P4 HD</td>
<td>4.0</td>
<td>101.6</td>
<td>50,625</td>
<td>2,700</td>
<td>13,394</td>
</tr>
<tr>
<td>P5</td>
<td>5.563</td>
<td>141.3</td>
<td>50,625</td>
<td>4,500</td>
<td>21,316</td>
</tr>
<tr>
<td>P6</td>
<td>6.625</td>
<td>168.3</td>
<td>50,625</td>
<td>6,750</td>
<td>33,876</td>
</tr>
</tbody>
</table>

Notes:
1. The maximum tensile load capacity can be obtained, conservatively, by using the values of the bearing capacity in compression shown in the selection table.
2. The lateral capacity depends on the density of soil (to validate consult technical department of Techno Metal Post.)
3. When the pile is laterally unsupported (soil very loose / soft, loamy soils, water and air), the structural strength of the pile must be approved by the technical department of Techno Metal Post.
4. The values of lateral capacity are average values and can be modified, more or less, depending on the characteristics of the existing soil.
5. If required, piles may be field-welded with extensions to achieve greater loading capacities in poor soil conditions.
6. If required, the helix pile and the supporting plate can be galvanized in compliance with standard ASTM A123.