Existing soil

6"
[152mm] min.

Under depth frost penetration.
Actual pile length to be determined by field conditions and desired loading capacity.

1/2" [12.7mm] thick factory-welded helix
Standard: ASTM A36 - Steel

Supporting plate
Standard: ASTM A36 - Steel

Steel shaft
Model P6: 6.625" x 0.280" [168.3mm x 7.1mm]
Standard: ASTM A500 grade C - Circular steel section

12" to 24" [305 to 610mm] Helix diameter varies according to soil conditions and desired loading capacity.

Load Capacity

<table>
<thead>
<tr>
<th></th>
<th>Allowable Load</th>
<th>Ultimate Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum compressive bearing capacity&lt;sup&gt;1,3&lt;/sup&gt;</td>
<td>50,625 lbs</td>
<td>33,876 lbs.ft</td>
</tr>
<tr>
<td>Lateral bearing capacity&lt;sup&gt;2,4&lt;/sup&gt;</td>
<td>6,750 lbs</td>
<td></td>
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</tbody>
</table>

NOTES:

1. The maximum tensile load capacity can be obtained, conservatively, by halving 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, liquefiable 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 helical pile and the supporting plate can be galvanized in compliance with standard ASTM A125.