Actual pile length to be determined by field conditions and desired loading capacity.

Steel shaft  
Model P4 HD: 4" x 0.313" [101.6mm x 8.0mm]  
Standard: ASTM A500 grade C - Circular steel section

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

Supporting plate  
Standard: ASTM A36 - Steel

8" to 24" [203 to 610mm] Helix diameter varies according to soil conditions and desired loading capacity.

The following table represents the load capacity for the Techno Metal Post Model P4 HD (Deep foundation):

<table>
<thead>
<tr>
<th>Load Capacity</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum compressive bearing capacity</td>
<td>Lateral bearing capacity</td>
<td>Factored bending resistance</td>
</tr>
<tr>
<td>(allowable load)</td>
<td>(allowable load)</td>
<td>(ultimate load)</td>
</tr>
<tr>
<td>(lbs)</td>
<td>(lbs)</td>
<td>(lbs ft)</td>
</tr>
<tr>
<td>50,625</td>
<td>2,700</td>
<td>13,394</td>
</tr>
</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 / soil, 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 A593