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CANADA
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REVISIONS

| DATE | DESCRIPTION | REV. |
|------------|------------------------|------|
| 26/06/2013 | Revised load capacity. | 1 |
| | | |
| | | |
| | | |

Client :

Client address :

Project :

Drawing :

**Techno Metal Post
Model P5
(Deep foundation)**

Approved by :

Date :
2011-10-31

Scale :
N/A

Drawing no:
P5-R1-A

Page number :
SHEET 1 OF 1

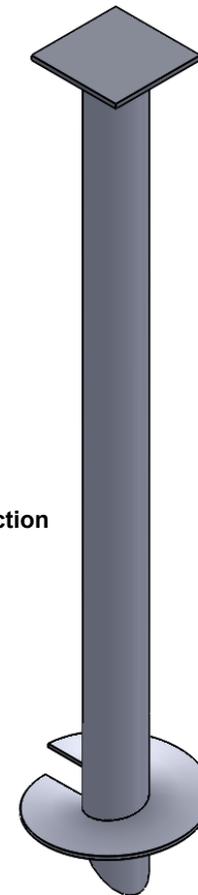
Supporting plate
Standard : CSA G40.21 - Steel

Steel shaft
Model P5 : 5.563" x 0.258" [141.3mm x 6.6mm]
Standard : ASTM A500 grade C - Circular steel section

1/2" [12.7mm] thick factory-welded helix
Standard : CSA G40.21 - Steel

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

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



| Load Capacity | | | | | | | |
|---|-------|--------|-------|---------------------------------|------|----------------------------|--------|
| Maximum compressive bearing capacity ^{1,3} | | | | bearing capacity ^{2,4} | | Factory bending resistance | |
| SLS | | ULS | | SLS | | ULS | |
| (lbs) | (kN) | (lbs) | (kN) | (lbs) | (kN) | (lbs.ft) | (kN.m) |
| 50,625 | 225.2 | 70,875 | 315.3 | 4,500 | 20.0 | 21,316 | 28.9 |

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 CAN / CSA G-164-M92 610g / m ² |