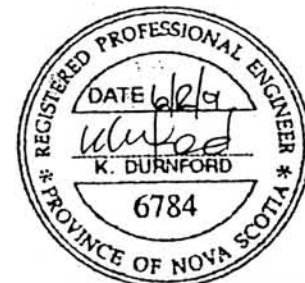


**TABLE BFS-T101  
CANADA**

**Allowable Loads on BIGFOOT Systems® Footing Forms  
Models BF 20, BF24, BF28 and BF36**

Soil Description	Allowable Soil Bearing Pressure psf (kPa)	Model BF 20 Allowable Loads lbs (kN)	Model BF24 Allowable Loads lbs (kN)	Model BF28 Allowable Loads lbs (kN)	Model BF36 Allowable Loads lbs (kNs)
Soft Clay	835.60 (40.00)	1823.28 (8.1)	2624.6 (11.7)	3573.0 (15.9)	5913 (26.28)
Loose Sand or Gravel*	1044.50 (50.00)	2279.10 (10.1)	3280.8 (14.6)	4466.3 (19.9)	7391 (32.85)
Firm Clay*	1566.75 (75.00)	3418.65 (15.2)	4921.2 (21.9)	6699.4 (29.8)	11085 (49.27)
Compact or Dense Silt*	2089.00 (100.00)	4558.20 (20.3)	6561.6 (29.2)	8932.6 (39.7)	14782 (65.70)
Dense or Compact Sand or Gravel*	3133.50 (150.00)	6837.3 (30.4)	9842.3 (43.8)	13398.8 (59.6)	22174 (98.55)
Stiff Clay*	3133.50 (150.00)	6837.3 (30.4)	9842.3 (43.8)	13398.8 (59.6)	22174 (98.55)
Glacial Till	4178.00 (200.00)	9116.4 (40.5)	13123.1 (58.4)	17865.1 (79.5)	29565 (131.40)
Clayey Shale	6267.00 (300.00)	13674.6 (60.8)	19712.9 (87.7)	26797.7 (119.2)	44347 (197.10)
Sound Bedrock	10455.00 (500.00)	22812.8 (101.5)	32839.2 (146.1)	44705.6 (198.9)	73912 (328.50)



*Notes:*

- 1) *The allowable loads shown meet or exceed the requirements of the National Building Code, Section 9.4.4.1.*
- 2) *\* most common range of soils*
- 2) *Minimum concrete compressive strength shall be 3000 psi (20.7 MPa) at 28 days.*
- 3) *Calculations are in accordance with CSA A23.3-M77 which is equivalent to ACI 318.95.*
- 4) *Gravity loads include only dead loads (weight of construction materials) and service loads such as snow loads and rain loads. Pier design and their ability to resist lateral and uplift loads is beyond the scope of this table.*
- 5) *Piers requiring design for earthquake loads shall be designed by a qualified Professional Engineer.*
- 6) *Maximum lift when pouring concrete is 16" (40.6 cm)*
- 7) *Bigfoot Systems® footing forms are not intended as a substitute foundation system for the full foundations commonly used under residential housing unless they have been designed to do so by a qualified professional engineer.*

