TABLE BFS-T102
UNITED STATES

Allowable Gravity Loads on BIGFOOT Systems® Footing Forms
Models BF20, BF24, BF28 and BF36

Soil Description	Allowable Soil Bearing Pressure psf (kPa)	Model BF20 Allowable Loads lbs (kN)	Model BF24 Allowable Loads lbs (kN)	Model BF28 Allowable Loads lbs (kN)	Model BF36 Allowable Loads lbs (kN)
Clay, Sandy Clay, Silty Clay and Clayey Silt	2000 (95.76)	4364 (19.4)	6283 (27.9)	8560 (38.1)	14134.50 (62.82)
Sand, Silty Sand Clayey Sand Silty Gravel, and Clayey Gravel	3000 (143.64)	6546 (29.1)	9425 (41.9)	12840 (57.1)	21201.75 (94.23)
Sandy Gravel or Gravel	5000 (239.40)	10910 (48.5)	15,708 (69.9)	21400 (95.2)	35336.25 (157.05)
Sedimentary Rock	6000 (287.28)	13092 (58.2)	18,850 (83.8)	25680 (114.2)	42403.50 (188.46)
Crystalline Bedrock	12,000 (574.56)	26184 (116.5)	37,699 (167.7)	51360 (228.4)	84804.75 (376.91)

Notes:

1) *The allowable gravity loads shown meet or exceed the requirements of the Canadian National Building Code, Section 9.4.4.1.*
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) *Allowable loads shown are for use in the U.S. and are based on soil bearing pressure values provided by BOCA. Canadian users should refer to table BFS-T101,(Canada).*
8) *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.*