

Presumptive Load-Bearing Values of Foundation Materials for Models SF 22, SF 28, and SF 32

Soil Description	Allowable Soil Bearing Pressure		SF 22 Allowable Load		SF 28 Allowable Load		SF 32 Allowable Load	
	psf	kPa	lbs	kN	lbs	kN	lbs	kN
Clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1500	71.82	5040	22.4	8160	36.3	10665	47.4
Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC)	2000	95.76	6720	29.9	10880	48.4	14220	63.3
Sandy gravel and/or gravel (GW and GP)	3000	143.64	10080	44.8	16320	72.6	21330	94.9
Sedimentary and foliated rock	4000	191.52	13440	59.8	21760	96.8	28440	126.5
Crystalline bedrock	12000	574.56	40320	179.4	65280	290.4	85320	379.5

Notes:

- 1) The allowable loads shown conform to IBC 2015, Section 1806, Table 1806.2.
- 2) Minimum concrete compressive strength shall be 3000 psi at 28 days.
- 3) Gravity loads include only dead loads (weight of construction materials) and service loads such as snow loads. Pier design and their ability to resist lateral and uplift loads is beyond the scope of this table.
- 4) Piers requiring design for earthquake loads shall be designed by a qualified Professional Engineer.
- 5) Sound Footing 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.

