

Estimated Zilla Helical Anchor Capacities

Group Symbol	Description	P _{allow} (lbs)	P _{allow,sat} (lbs)
GW	well-graded, clean gravels, gravel-sand mixtures	1,600	800
GP	poorly graded clean gravels, gravel-sand mixtures	1,300	600
GM	silty gravels, poorly graded gravel-sand silt	900	400
GC	clayey gravels, poorly graded gravel-sand-clay	600	300
SW	well-graded clean sands, gravelly sands	1,500	700
SP	poorly graded clean sands, sand-gravel mix	1,200	500
SM	silty sands, poorly graded sand-silt mix	5,400	2,200
SM-SC	sand-silt-clay mix with slightly plastic fines	4,400	1,400
SC	clayey sands, poorly graded sand-clay mix	9,000	1,600
ML	inorganic silts and clayey silts	9,000	1,500
ML-CL	mixture of organic silt and clay	8,700	3,000
CL	inorganic clays of low-to-medium plasticity	7,600	1,300
OL	organic silts and silt-clays, low plasticity	N/A	N/A
MH	inorganic clayey silts, elastic silts	4,900	1,300
CH	inorganic clays of high plasticity	4,300	500
OH	organic and silty clays	N/A	N/A

- Information provided is accurate for Zilla helical anchors only.
- Typical soil strength characteristics used for each soil classification type.
- Verify actual site conditions with a Geotechnical Engineer or Soils Report.
- Installed depth of Helical anchor assumed to be 3 ft (frost penetration line).
- "sat" = Saturated soil conditions when water table is above helical anchor.
- Capacities are to be used for estimation purposes only.

