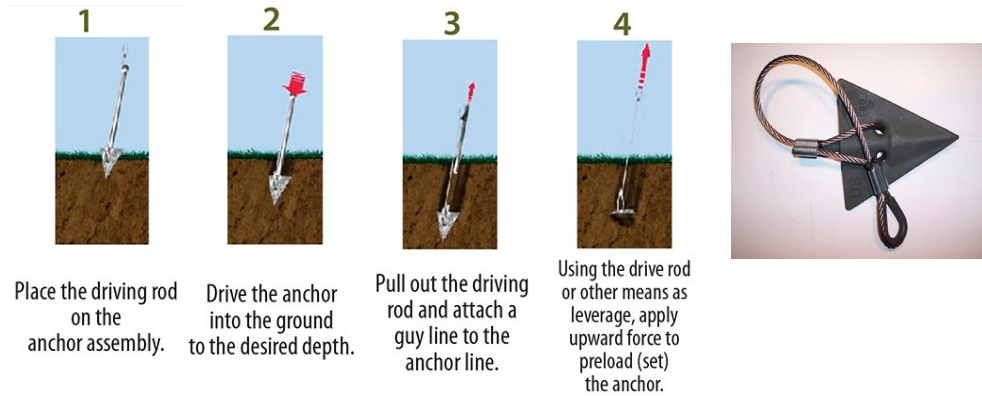


THE JAMES WALKER CO.

GROUND ANCHORS



1
Place the driving rod on the anchor assembly.

2
Drive the anchor into the ground to the desired depth.

3
Pull out the driving rod and attach a guy line to the anchor line.

4
Using the drive rod or other means as leverage, apply upward force to preload (set) the anchor.

Anchor Size (in.)	Minimum ¹ Vertical Depth (ft.)	Soil Pullout Resistance (lbs.) ²					Reduction ³ for ground water above anchor (%)	Depth Increase ⁴ (%)	
		Hardpan	Class 1	Class 2	Class 3	Class 4		Above Ground	Below Water
2	2	600	300	170	100	50	20%	30	15
3	2½	1,300	700	450	240	120	15%	25	15
4	2½	2,300	1,200	750	400	200	15%	25	15
6	3½	5,000	3,000	2,000	1,200	600	12%	20	10
8	4	9,000	6,500	3,500	2,200	1,250	10%	20	10
10	5	14,000	11,000	7,000	4,000	2,400	8%	15	8
12	6	20,000	17,000	11,500	7,000	4,000	7%	15	8

Notes:

- In determining vertical depth to the ground anchor, the thickness of topsoil, peat, soft clay and similar soft soils should not be included.
- The applicable class of soil is that present within a zone from the ground anchor to a point from one to three feet above the anchor, depending upon anchor size.
- For ground anchors at minimum depth in Soil Classes 1-4, reduce ultimate pullout resistance by percentage given for each foot ground water table is above anchor. No reduction is required for hard pan.
- For ground anchors driven to depths greater than the minimum Soil Classes 1-4, the ultimate pullout resistance may be increased by the percentage given for each additional foot below the specified minimum. The ultimate pullout resistance shall not exceed twice the tabulated value, however. No allowance for additional depth is made for hardpan.

Soils:

- Class 1: dense gravel; dense well-graded sand and gravel with angular particles
- Class 2: medium-dense sandy gravel and gravelly sand; medium-dense to dense well-graded sand
- Class 3: loose to medium-dense well-graded sand; medium-dense to dense fine or medium sand
- Class 4: loose fine sand and loose medium sand with well-rounded particles; uncompacted sand fill

WARNING: DO NOT EXCEED RATED CAPACITIES