AMERICAN EARTH ANCHORS

MADE IN THE UNITED STATES OF AMERICA

QUICK REFERENCE

4ALB-48AT SPECIFICATIONS

Picnic Table

Bench

4" ALUMINUM BULLET™

WITH 4' CABLE AND ANTI-THEFT LOOP

356 ALUMINUM ALLOY T6 HEAT TREATED

4ALB-48AT

ULTIMATE PULLOUT CAPACITY - 3,500 LBS.

- Aircraft-quality cast aluminum 356 Alloy - No Corrosion
- Weighs .74lb. (.34) / 1.2lb (.54 kg)
- 3,500lb ultimate load capacity at 2.5 ft installation depth
- Great for soft to hard compact and rocky soil
- Custom lengths and stainless steel cable available

Load Capacity Pullout strength at minimum depth of 2.5' (.8 m)	
Soil Class 1 Hardpan or Asphalt	3,5000lb 15.6 kN
Soil Class 2 Sandy gravel Very dense sand	2,2000lb 9.79 kN
Soil Class 3 Silty/clayey sand Silty gravel	1,900lb 8.45 kN
Soil Class 4A Loose/med dense sands Loose sands Firm clays	900lb 4.00 kN
Soil Class 4B Loose fine un-compacted sand	475lb 2.11 kN

GALVANIZED STEEL AIRCRAFT CABLE

Diameter: 3/16" (4.8 mm)
Length: 4' (1.2 m)

Breaking Strength 4,20000lb (18.7kN)

Available in stainless steel as a special order

AMERICANEARTHANCHORS.COM // 866-520-8511 // +1 508-520-8511 // INFO@AMERICANEARTHANCHORS.COM

The World's Most Trusted Ground Anchors

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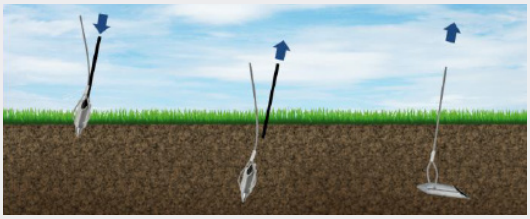
Drive rod - 3/4" diameter round smooth solid steel 4 feet long



1) Drive - Anchor to minimum depth of 3.5' (1 m)

2) Remove - the drive rod

3) Pull - the cable to turn (lock) the anchor

INTO THE GROUND

4' Drive Rod
Diameter; 3/4"
(19.05mm)

No re-bar. It will jam in the anchor

Drive Rod Head

When using a sledge hammer

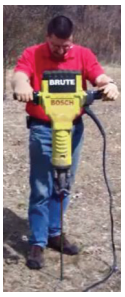
DR-4ST

Safety Holding Handle

DR-SHH

Sledge Hammer

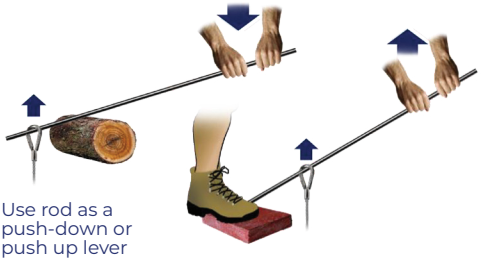
Demolition Hammer or Small Jackhammer depending on soil conditions



LOCKING THE ANCHOR

During locking, anchor will pull back up as it turns, settles, and locks. Depending on soil type, this can typically be 2-8 inches (5-20 cm).

Leverage (Manual)



Use rod as a push-down or push up lever

Leverage (Mechanical)

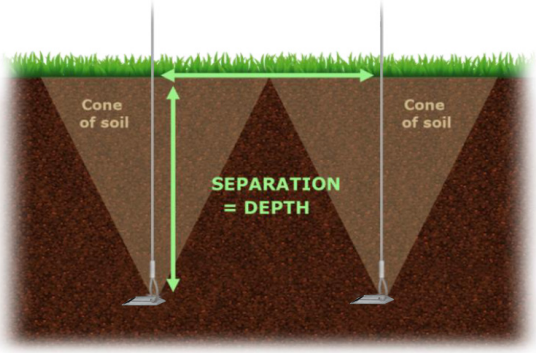
Bumper jack

Rachet-lever hoist ("come-along")

Pull to "Lock"

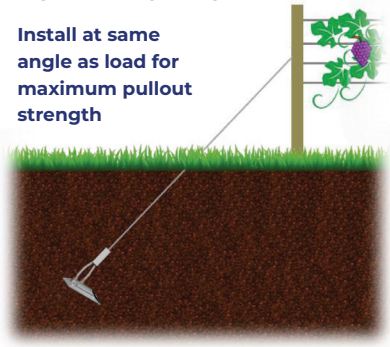
SPACING

For best holding strength, anchors should be installed at a minimum spacing equal to the depth of the anchor, in order to avoid each other's "cone of soil" — the region of soil that contributes to an anchor's holding strength.



NON-VERTICAL LOAD

Install at same angle as load for maximum pullout strength



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