AMERICAN EARTH ANCHORS

MADE IN THE UNITED STATES OF AMERICA

QUICK REFERENCE

6ALB-60CC
6ALB-120CC

SPECIFICATIONS

Riverbank Work

Bridge Build

6" ALUMINUM BULLET™

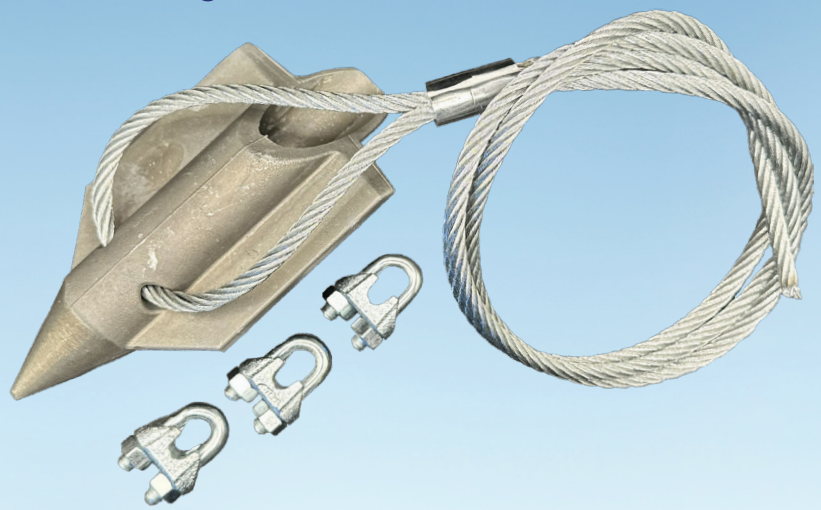
WITH 5' OR 10' CABLE AND CABLE CLAMPS

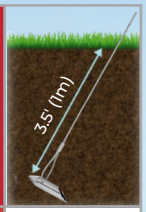
356 ALUMINUM ALLOY T6 HEAT TREATED

6ALB-60CC
6ALB-120CC

ULTIMATE PULLOUT CAPACITY - 5,000 LBS.

- Aircraft-quality cast aluminum 356 Alloy - No Corrosion
- Weighs 2.5lb (1.2 oz)
- 5,000lb 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	5,000lb 22.2 kN
Soil Class 2 Sandy gravel Very dense sand	3,000lb 13.3 kN
Soil Class 3 Silty/clayey sand Silty gravel	2,000lb 8.90 kN
Soil Class 4A Loose/med dense sands Loose sands Firm clays	1,200lb 5.34 kN
Soil Class 4B Loose fine un-compacted sand	600lb 2.67 kN

GALVANIZED STEEL AIRCRAFT CABLE

Diameter: 1/4" (6.3 mm)
Length: 5' (1.5 m) or 10' (3 m)

Breaking Strength 7,000lb (31.1kN)

Available in stainless steel as a special order

CABLE CLAMPS

Galvanized Steel

Use all three clamps for maximum loop strength (approx. 90% of cable breaking strength)

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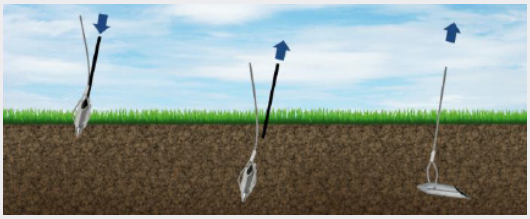
SPECIFICATIONS

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

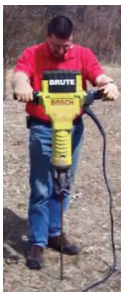
DRH-LG

Safety Holding Handle

DR-SHH

Sledge Hammer

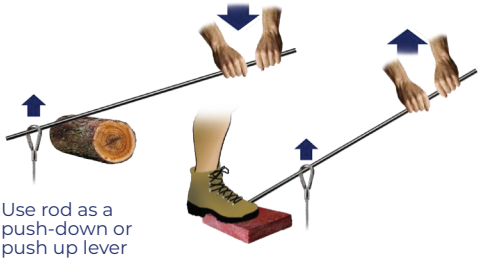
Demolition Hammer or Small Jackhammer depending on soil conditions



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)

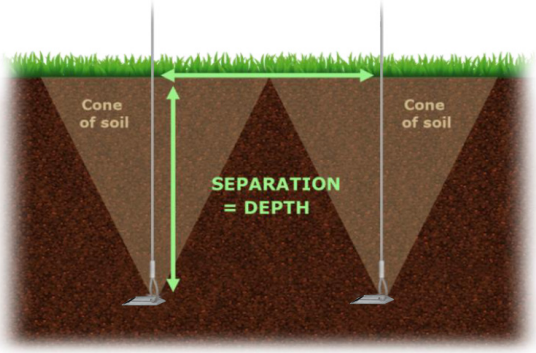
Bumper jack

Rachet-lever hoist ("come-along")

Pull to "Lock"

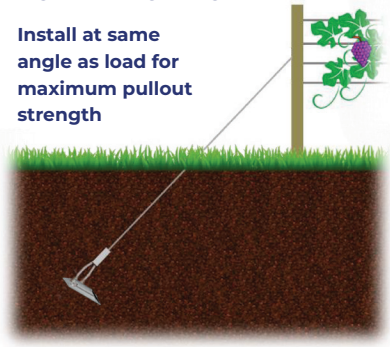
SPACING

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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