



# American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

## 4AL-60CC | Specifications

### 4" aluminum arrowhead with 5' cable and cable clamps

- 356 aluminum alloy
- Heat-treated to T6 specification

This document also describes the military spec version of this anchor: **4AL-60CC-Mil**



#### Aluminum arrowheads

4AL-48TH 4AL-60CC 6AL-60TH 6AL-60CC 6AL-120QV  
8AL-60TH 8AL-60CC 10AL-72TH 10AL-72CC

#### Anchor



#### Cable

Galvanized steel aircraft cable

Diameter: 3/16" (4.8 mm)

Length: 5' (1.5 m)

Breaking strength:  
4,200 lb (18.7 kN)

Available in stainless steel as special order

#### Cable clamps

Galvanized steel



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

### LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2 1/2' (.8 m)

Soil Class 1	Soil Class 2	Soil Class 3	Soil Class 4	Soil Class 4
Hardpan Asphalt	Sandy gravel Very dense sand	Silty/clayey sand Silty gravel	Loose/med dense sands Loose sands Firm clays	Loose fine un-compacted sand
<b>3,500 lb</b> 15.6 kN	<b>2,200 lb</b> 9.79 kN	<b>1,900 lb</b> 8.45 kN	<b>900 lb</b> 4.00 kN	<b>475 lb</b> 2.11 kN

Soil classification per ASTM D-2487/2488



#### Contact us for CUSTOM WORK

Size, length, shape, material,  
prototypes, cable assemblies



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# 4AL-60CC | Installation



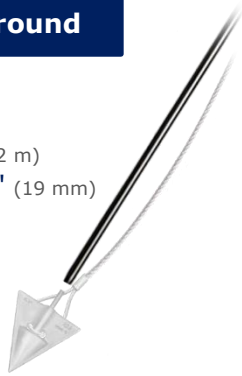
- 1 DRIVE**  
anchor to minimum depth of 2½' (.8 m)
- 2 REMOVE**  
the drive rod
- 3 PULL**  
the cable to turn ("lock") the anchor

## Into the ground

### Drive rod

Length: 4' (1.2 m)  
Diameter: ¾" (19 mm)

DR-4HT



**Hammering head**  
DRH-SM



**Safety holding handle**  
DR-SHH



**Sledge hammer**

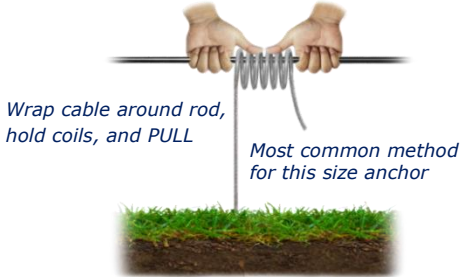


**Demolition hammer**

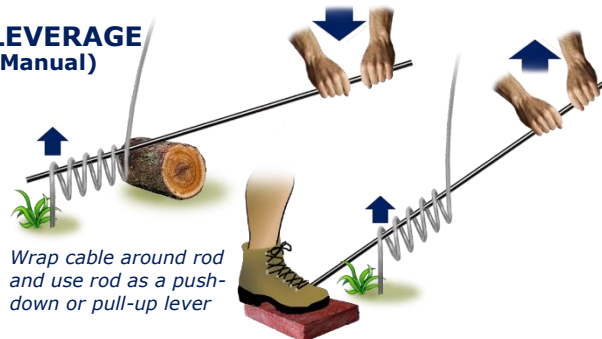
## Locking the anchor

During locking, anchor will pull up as it turns, settles, and locks. Depending on soil type, this can typically be 1-5 inches (3-13 cm).

### SIMPLE PULL



### LEVERAGE (Manual)



### LEVERAGE (Mechanical)

*Not usually needed for this size anchor*



## Through asphalt

**Make slot through asphalt**



*One method: Jackhammer with chisel*



## Non-vertical load

**Install at same angle as load for maximum pullout strength**

