



# American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

## 3AL-36TH | Specifications

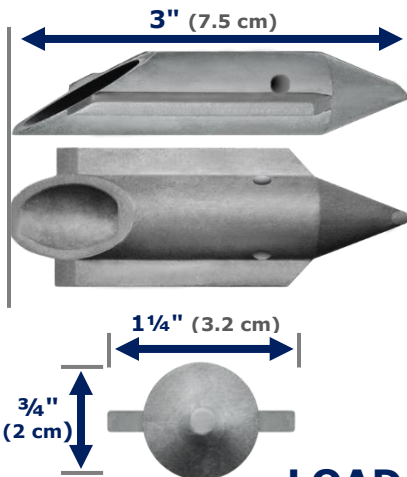
### 3" bullet with 3' cable and thimble



Anchor

#### Anodized cast aluminum

- Aircraft-quality 356 alloy
- Heat-treated to T6 specification



#### Bullets

All have the same bullet anchor, with different cable lengths or type of cable termination



#### Bullet vs. arrowhead

Streamlined bullet shape is designed for driving through compact or stony soils, gravel, hard clay, and other dense or difficult conditions

.5 lb  
(.23 kg)



#### Cable

Galvanized steel aircraft cable

Diameter: 1/8" (3 mm)  
Length: 3' (.9 m)

Breaking strength:  
2,000 lb (8.9 kN)

Available in stainless steel as special order

#### Thimble

Galvanized steel

3/4" (19 mm)

### LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2' (.6 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>2,000 lb</b> 8.90 kN	<b>1,800 lb</b> 8.01 kN	<b>1,700 lb</b> 7.56 kN	<b>600 lb</b> 2.67 kN	<b>350 lb</b> 1.56 kN

Soil classification per ASTM D-2487/2488

©2018 American Earth Anchors  
QR-3AL-36TH Mar 2018



American Earth Anchors  
info@americanea.com  
americaneearthanchors.com

#### Contact us for CUSTOM WORK

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



866-520-8511



+1 508-520-8511

# 3AL-36TH | Installation



Don't use rebar – it can get stuck in the bullet!



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

## Into the ground

**3' (.9 m) drive rod**  
**1/2" (13 mm) diameter**  
**DR-3ST**



**Safety holding handle**  
**DR-SHH**



Sledge hammer



Demolition hammer

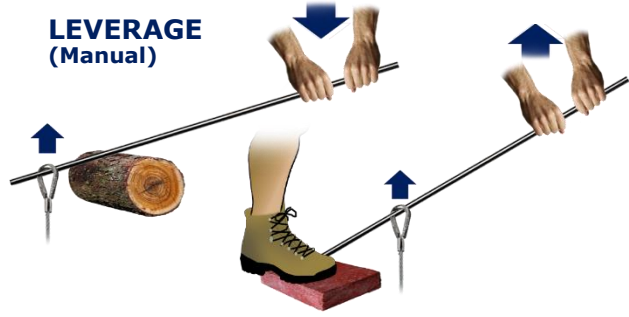
## Locking the anchor

During locking, anchor will pull up as it turns, settles, and locks. Depending on soil type, this can typically be 1-4 inches (3-10 cm).

### SIMPLE PULL



### LEVERAGE (Manual)



### LEVERAGE (Mechanical)

Not usually needed for this size anchor



## Through asphalt

**Drill PILOT HOLE through asphalt**  
**1" (2.5 cm) diameter**



## Non-vertical load

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

