



# American Earth Anchors

The best screw you will have in the dirt™

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QUICK REFERENCE

## 6AL-60TH | Specifications

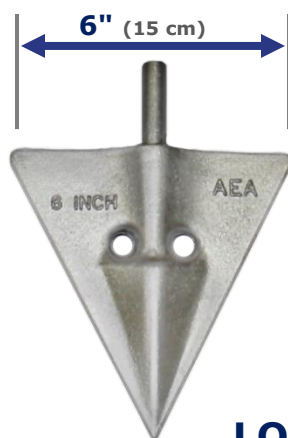
### 6" aluminum arrowhead with 5' cable and thimble

- 356 aluminum alloy
- Heat-treated to T6 specification

This document also describes the military spec version of this anchor: **6AL-60TH-Mil**



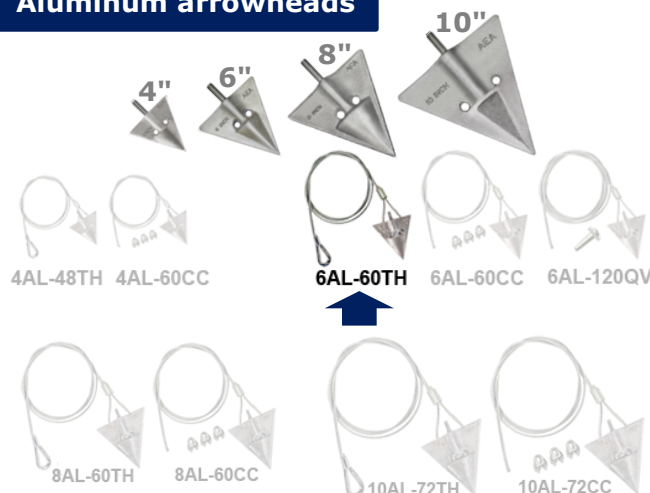
Anchor



2.5 lb  
(1.2 kg)



### Aluminum arrowheads



### Cable

Galvanized steel aircraft cable

Diameter: 1/4" (6.3 mm)

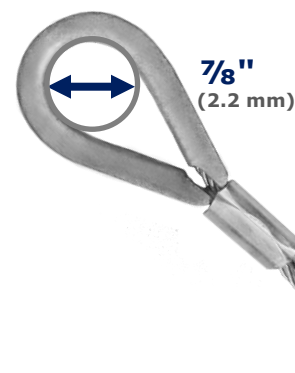
Length: 5' (1.5 m)

Breaking strength:  
7,000 lb (31.1 kN)

Available in stainless steel  
as special order

### Thimble

Galvanized steel



### LOAD CAPACITY

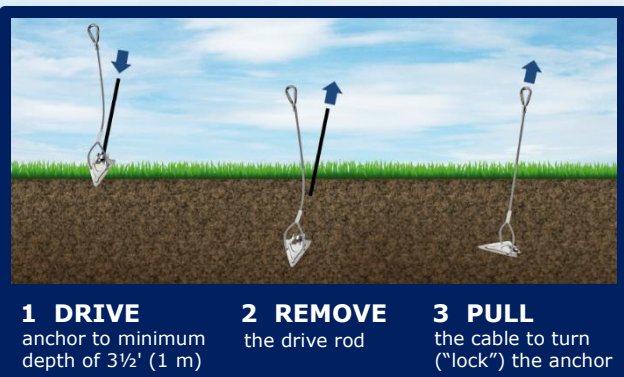
Pullout strength at MINIMUM DEPTH 3 1/2' (1 m)

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>5,000 lb</b> 22.2 kN	<b>3,000 lb</b> 13.3 kN	<b>2,000 lb</b> 8.90 kN	<b>1,200 lb</b> 5.34 kN	<b>600 lb</b> 2.67 kN

Soil classification per ASTM D-2487/2488



## 6AL-60TH | Installation



### Into the ground

#### 5' or 6' Drive rod

##### DR-5HT

Length: 5' (1.5 m)  
Diameter: 1" (25 mm)

##### DR-6HT

Length: 6' (1.8 m)  
Diameter: 1" (25 mm)

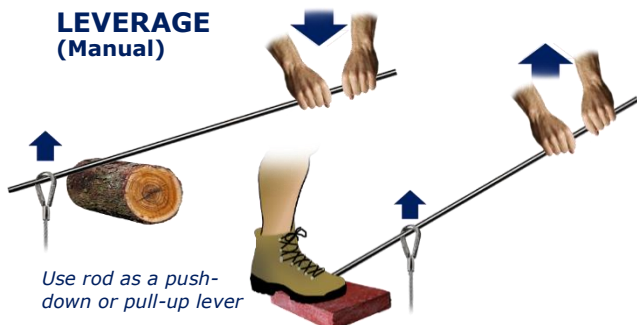


### Locking the anchor



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)



#### LEVERAGE (Mechanical)



#### HYDRAULIC PULL



### Through asphalt

#### Make slot through asphalt



### Non-vertical load

Install at same angle as load for maximum pullout strength

