



# American Earth Anchors

The best screw you will have in the dirt™

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QUICK REFERENCE

## 3AL-60CC | Specifications

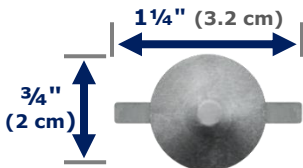
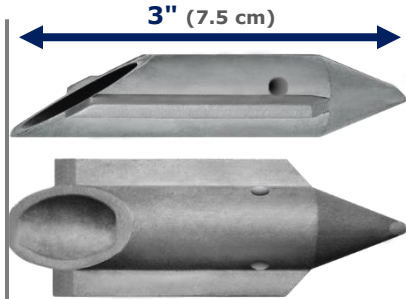
**3" bullet**  
with 5' cable and cable clamps



**Anchor**

**Anodized cast aluminum**

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



## 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<br>Asphalt         | Sandy gravel<br>Very dense sand | Silty/clayey sand<br>Silty gravel | Loose/med dense sands<br>Loose sands<br>Firm clays | Loose fine un-<br>compacted sand |
| <b>2,000 lb</b><br>8.90 kN | <b>1,800 lb</b><br>8.01 kN      | <b>1,700 lb</b><br>7.56 kN        | <b>600 lb</b><br>2.67 kN                           | <b>350 lb</b><br>1.56 kN         |

Soil classification per ASTM D-2487/2488

## 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

**.65 lb**  
(.3 kg)



## Cable

**Galvanized steel aircraft cable**

**Diameter: 1/8" (3 mm)**  
**Length: 5' (1.5 m)**

**Breaking strength:**  
**2,000 lb (8.9 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)



## Contact us for CUSTOM WORK

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

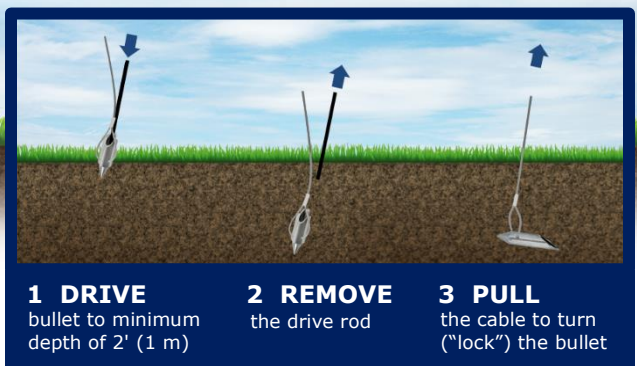


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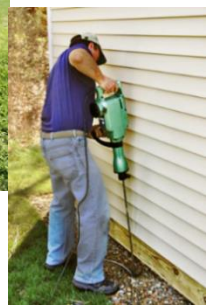
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# 3AL-60CC | Installation



## Into the ground

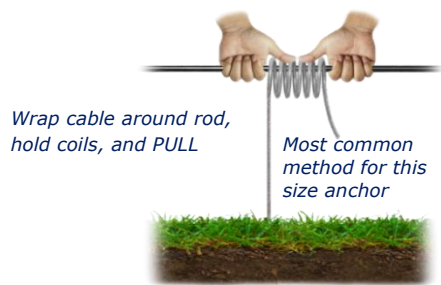
**3' (.9 m) drive rod**  
**1/2" (13 mm) diameter**  
**DR-3ST**



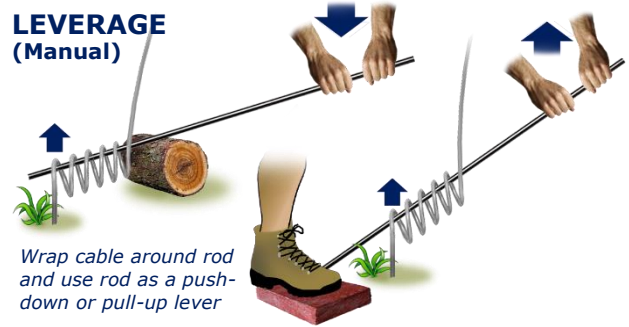
## Locking the bullet

*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)

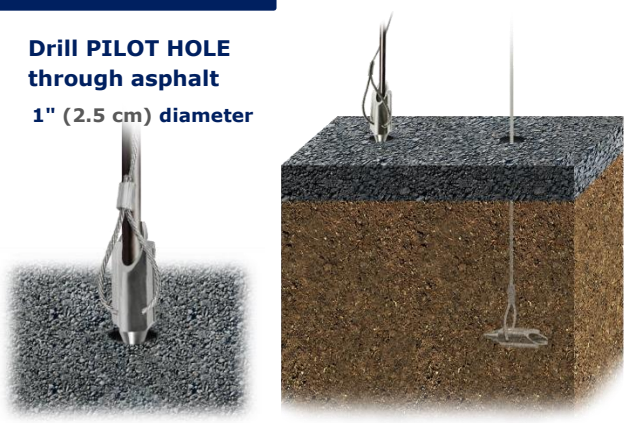


### LEVERAGE (Mechanical)



## Through asphalt

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



## Non-vertical load

**Install at angle of load for maximum pullout strength**

