American Earth Anchors

The best screw you will have in the dirt™

American Earth Anchors
info@americanea.com
americanearthanchors.com

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

4" aluminum arrowhead

2.5 lb (1.2 kg)

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 2½' (.8 m)

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

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**

Drive rod has a drilled hole that fits over the anchor’s pin and seats against the anchor.

**1. DRIVE**
anchor to minimum depth of 2 1/2' (0.8 m)

**2. REMOVE**
the drive rod

**3. PULL**
the cable to turn ("lock") the anchor

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**Into the ground**

**Drive rod**
- Length: 4' (1.2 m)
- Diameter: ¾" (19 mm)

**DR-4HT**

**Safety holding handle**
- DR-SHH

**Hammering head**
- DRH-SM

**Sledge hammer**
**Demolition hammer**

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**Locking the anchor**

**SIMPLE PULL**
Wrap cable around rod, hold coils, and PULL

Most common method for this size 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).

**LEVERAGE (Manual)**
Wrap cable around rod and use rod as a push-down or pull-up lever

**LEVERAGE (Mechanical)**
- Not usually needed for this size anchor
- Ratchet-lever hoist ("come-along")
- Bumper jack

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**Through asphalt**

**Make slot through asphalt**

One method: Jackhammer with chisel

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**Non-vertical load**

Install at same angle as load for maximum pullout strength

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866-520-8511
+1 508-520-8511