American Earth Anchors

The best screw you will have in the dirt™

anAmericanearthanchors.com

3AL-60QV
3AL-120QV

Specifications

3” bullet with 5’ or 10’ cable and Quickvise

Anchor

Anodized aluminum
• Aircraft-quality 356 alloy
• Heat-treated to T6 specification

Cable

Galvanized steel aircraft cable

Diameter: ⅛” (3 mm)
Length: 5’ (1.5 m)
Breaking strength: 2,000 lb (8.9 kN)

Available in stainless steel as special order

Quickvise

Also sold separately as product QV18

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

LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2’ (.6 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 Asphalt</td>
<td>Sandy gravel</td>
<td>Silty/clayey sand</td>
<td>Loose/sandy sands</td>
<td>Loose fine un-compacted sand</td>
</tr>
<tr>
<td>1,100 lb</td>
<td>1,100 lb</td>
<td>1,100 lb</td>
<td>600 lb</td>
<td>350 lb</td>
</tr>
<tr>
<td>4.89 kN</td>
<td>4.89 kN</td>
<td>4.89 kN</td>
<td>2.67 kN</td>
<td>1.56 kN</td>
</tr>
</tbody>
</table>

Soil classification per ASTM D-2487/2488

Contact us for CUSTOM WORK
Size, length, shape, material, prototypes, cable assemblies

© 2018 American Earth Anchors

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

American Earth Anchors
info@americanea.com
anAmericanearthanchors.com
### Into the ground

- **3’ (.9 m) drive rod**
  - ½” (13 mm) diameter
  - DR-3ST

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

- **Sledge hammer**
  - Demolition hammer

### Locking the bullet

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

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

- **LEVERAGE (Mechanical)**
  - Ratchet-lever hoist ("come-along")

### Through asphalt

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

### Non-vertical load

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

---

**3AL-60QV**  
**3AL-120QV**

1. **DRIVE**
   - Drive the bullet to minimum depth of 2’ (1 m)

2. **REMOVE**
   - The drive rod

3. **PULL**
   - The cable to turn ("lock") the bullet

**Don’t use rebar – it can get stuck in 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).**

**Most common method for this size anchor**

**American Earth Anchors**
info@americanea.com
americanearthanchors.com

**Contact us for CUSTOM WORK**
Size, length, shape, material, prototypes, cable assemblies

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