American Earth Anchors

The best screw you will have in the dirt™

ANCHOR APPLICATIONS

Retaining Walls

How it works

Quickvise

Bullet

Steel arrowhead

Aluminum arrowhead
Installation sequence

1. Drive in the anchor

2. Drill hole and pass the cable out though it

3. Pull to lock the anchor
   Common pulling method is cable wrapped around the drive rod

4. Thread Quickvise onto the cable, hammer it into the wall, then pull cable again to grip it in the Quickvise
Nail it down, if it needs to be held in place while threading and pulling the cable.

Drill hole in the structure, tap in Quickvise.

DON'T cut the tail

It will fray like a bad hair day!

... and you may need to grab it and pull, to retighten later in case of settling or shifting.

Two methods for concealing the tail.

### Pullout Strength

<table>
<thead>
<tr>
<th>SOIL TYPE</th>
<th>3&quot; Aluminum Bullet Min. depth 2'</th>
<th>3&quot; Steel Arrowhead Min. depth 2'</th>
<th>4&quot; Steel Arrowhead Min. depth 2.5'</th>
<th>4&quot; Steel Arrowhead Min. depth 2.5'</th>
<th>6&quot; Aluminum Arrowhead Min. depth 3.5'</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOIL CLASS 1 1</td>
<td>1,100 lb 4.89 kN</td>
<td>1,100 lb 4.89 kN</td>
<td>3,150 lb 14.0 kN</td>
<td>3,150 lb 14.0 kN</td>
<td>4,250 lb 18.9 kN</td>
</tr>
<tr>
<td>Hardpan Asphalt</td>
<td>1,100 lb 4.89 kN</td>
<td>1,100 lb 4.89 kN</td>
<td>2,200 lb 9.79 kN</td>
<td>2,200 lb 9.79 kN</td>
<td>2,220 lb 9.88 kN</td>
</tr>
<tr>
<td>SOIL CLASS 2</td>
<td>Sandy gravel Very dense sand</td>
<td>1,100 lb 4.89 kN</td>
<td>1,900 lb 8.45 kN</td>
<td>1,900 lb 8.45 kN</td>
<td>1,700 lb 7.56 kN</td>
</tr>
<tr>
<td>Silty or clayey sand Silty gravel</td>
<td>1,100 lb 4.89 kN</td>
<td>1,100 lb 4.89 kN</td>
<td>900 lb 4.00 kN</td>
<td>900 lb 4.00 kN</td>
<td>1,020 lb 4.54 kN</td>
</tr>
<tr>
<td>SOIL CLASS 4</td>
<td>Loose-to-med dense sands Loose sands Firm clays</td>
<td>600 lb 2.67 kN</td>
<td>275 lb 1.21 kN</td>
<td>275 lb 1.21 kN</td>
<td>510 lb 2.27 kN</td>
</tr>
<tr>
<td>SOIL CLASS 5</td>
<td>Uncompacted fill</td>
<td>350 lb 1.56 kN</td>
<td>475 lb 2.11 kN</td>
<td>475 lb 2.11 kN</td>
<td>510 lb 2.27 kN</td>
</tr>
</tbody>
</table>

Soil Classification per ASTM D-2487/2488
**3" Bullet**
Cable diameter ⅛” (3 mm)

- 5' cable (1.5 m)
- 10' cable (3 m)

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

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

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**3" Steel Arrowhead**
Cable diameter ⅛” (3 mm)

- 5' cable (1.5 m)
- 10' cable (3 m)

- 3ST-60QV
- 3ST-120QV

**4" Steel Arrowhead**
Cable diameter 3/16” (4.8 mm)

- 5' cable (1.5 m)
- 10' cable (3 m)

- 4ST-60QV
- 4ST-120QV

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**4" Aluminum Arrowhead**
Available in Military Specification
Cable diameter 3/16” (4.8 mm)

- 5' cable (1.5 m)
- 10' cable (3 m)

- 4AL-60QV
- 4AL-120QV

**6" Aluminum Arrowhead**
Available in Military Specification
Cable diameter ¼” (6.3 mm)

- 10' cable (3 m)

- 6AL-120QV

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**Quickvise**
Included with each anchor

- For ⅛" and 3/16" cable
- For ¼" cable

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