### Anchor Strength Test

#### Anchors Tested

<table>
<thead>
<tr>
<th>Stake design</th>
<th>Screw design</th>
</tr>
</thead>
<tbody>
<tr>
<td>42&quot; steel stake  (Not our product)</td>
<td><strong>Screw design</strong></td>
</tr>
</tbody>
</table>

#### Screw design

- **Aluminum Penetrator**
  - 46"
  - 36"
  - 26"
  - 18"  

### Anchor Characteristics

- **Strong**
  - 356 alloy aircraft-quality aluminum
  - Heat treated to T6 specification (no rust)

- **Lightweight**
  - The ALUMINUM advantage:
  - Shipping cost, on-site handling

- **Easy install and remove**
  - Screw in, screw out

#### Installation Tools

<table>
<thead>
<tr>
<th>IN:</th>
<th>OUT:</th>
</tr>
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<tbody>
<tr>
<td>Sledge hammer</td>
<td>Stake puller</td>
</tr>
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</table>

**Watch “dueling installation” video at** [aeavideo.com](http://aeavideo.com)

**Test details on the back →**
Tents and Temporary Structures
Anchor Strength Test

Test Results

- **1800 lbs**
  - 3" pull force
  - 4"x12" plate
  - 1"x42" stake
  - One vertical
  - One angled

- **7500 lbs**
  - 2" pull force
  - 46" Penetrator
  - PE46

- **3500 lbs**
  - 1½" pull force
  - 36" Penetrator
  - PE36

- **1300 lbs**
  - 1½" pull force
  - 26" Penetrator
  - PE26

- **900 lbs**
  - 1½" pull force
  - 18" Penetrator
  - PE18

- **8100 lbs**
  - 4" pull force
  - 2" at 40°
  - 4" at 40°
  - Three stakes
  - In a yoke plate
  - PE46

- **1300 lbs**
  - 3" pull force
  - 1"x42" stake
  - Vertical stake
  - In a yoke plate

- **1800 lbs**
  - 3" pull force
  - 1½" at 30°
  - Angled stake
  - Load cell

- **5400 lbs**
  - 2" pull force
  - 1½" at 30°
  - PE46

Anchors are tested for strength and displacement under various conditions to ensure they can withstand the forces they are designed to handle.