6" aluminum arrowhead with 10' cable and Quickvise

- 356 aluminum alloy
- Heat-treated to T6 specification

**Aluminum arrowheads**

- Diameter: ⅛" (6.3 mm)
- Length: 10' (3 m)
- Breaking strength: 7,000 lb (31.1 kN)

*Available in stainless steel as special order*

**Cable**

- Galvanized steel aircraft cable

**Quickvise**

- Shell: Aluminum
- Jaws: Galvanized steel
- Spring: Stainless steel

**Specifications**

- 6" (15 cm)

**Load Capacity**

Pullout strength at MINIMUM DEPTH 3½' (1 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 medium dense sands</td>
<td>Loose fine un-compacted sand</td>
</tr>
<tr>
<td>Asphalt</td>
<td>Very dense sand</td>
<td>Silty gravel</td>
<td>Loose sands</td>
<td>Firm clays</td>
</tr>
<tr>
<td>5,000 lb</td>
<td>3,000 lb</td>
<td>2,000 lb</td>
<td>1,200 lb</td>
<td>600 lb</td>
</tr>
<tr>
<td>22.2 kN</td>
<td>13.3 kN</td>
<td>8.90 kN</td>
<td>5.34 kN</td>
<td>2.67 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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### 6AL-120QV | 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 $3\frac{1}{2}'$ (1 m)
2. **REMOVE** the drive rod
3. **PULL** the cable to turn ("lock") the anchor

### Into the ground

**5’ or 6’ Drive rod**

<table>
<thead>
<tr>
<th>Length</th>
<th>Diameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DR-5HT</strong></td>
<td>5’ (1.5 m)</td>
<td>1” (25 mm)</td>
</tr>
<tr>
<td><strong>DR-6HT</strong></td>
<td>6’ (1.8 m)</td>
<td>1” (25 mm)</td>
</tr>
</tbody>
</table>

**Safety holding handle DR-SHH**

**Hammering head DRH-LG**

**Sledge hammer**

**Demolition hammer or small jackhammer depending on soil conditions**

### Locking the anchor

**LEVERAGE (Manual)**

- Wrap cable around rod and use rod as a push-down or pull-up lever

**LEVERAGE (Mechanical)**

- Ratchet-lever hoist ("come-along")

**HYDRAULIC PULL**

- Bumper jack

- **Anchor Locker**

**During locking, anchor will pull back up as it turns, settles, and locks. Depending on soil type, this can typically be 2-8 inches (5-20 cm).**

### Through asphalt

**Make slot through asphalt**

**One method:** Jackhammer with chisel

### Non-vertical load

**Install at same angle as load for maximum pullout strength**

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