8" aluminum arrowhead with 5' cable and thimble

- 356 aluminum alloy
- Heat-treated to T6 specification

This document also describes the military spec version of this anchor: 8AL-60TH-Mil

**Specifications**

**Anchor**
- 8" (20 cm)

**Cable**
- Galvanized steel aircraft cable
- Diameter: 5/16" (8 mm)
- Length: 5' (1.5 m)
- Breaking strength: 9,800 lb (43.6 kN)
  - Available in stainless steel as special order

**Thimble**
- Galvanized steel
- 1" (2.5 cm)

**LOAD CAPACITY**

Pullout strength at MINIMUM DEPTH 4' (1.2 m)

| Soil Class 1 | Soil Class 2 | Soil Class 3 | Soil Class 4
|--------------|--------------|--------------|--------------|
| Hardpan Asphalt | Sandy gravel | Silty/clayey sand | Loose/med dense sands
| Soil Class 4 | Soil Class 4 | Soil Class 4 | Soil Class 4
| Loose sands | Firm clays | Loose fine uncompacted sand |

<table>
<thead>
<tr>
<th></th>
<th>Soil Class 1</th>
<th>Soil Class 2</th>
<th>Soil Class 3</th>
<th>Soil Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pullout strength</td>
<td>9,000 lb</td>
<td>6,500 lb</td>
<td>3,500 lb</td>
<td>2,200 lb</td>
</tr>
<tr>
<td>(40.0 kN)</td>
<td>28.9 kN</td>
<td>15.6 kN</td>
<td>9.79 kN</td>
<td>5.56 kN</td>
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</tbody>
</table>

Soil classification per ASTM D-2487/2488
8AL-60TH | 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 ½' (1 m)

2. **REMOVE** the drive rod

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

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**Into the ground**

**5’ or 6’ Drive rod**
- **DR-5HT**
  - Length: 5’ (1.5 m)
  - Diameter: 1” (25 mm)
- **DR-6HT**
  - Length: 6’ (1.8 m)
  - Diameter: 1” (25 mm)

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

**Hammering head**
- **DRH-LG**

**Sledge hammer**
- **Jackhammer**

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**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 3-10 inches (8-25 cm).

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

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