6AL-60TH Specifications

6" 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: 6AL-60TH-Mil

Anchor

6" (15 cm)

Cable

Galvanized steel aircraft cable

Diameter: 1/4" (6.3 mm)
Length: 5' (1.5 m)
Breaking strength: 7,000 lb (31.1 kN)
Available in stainless steel as special order

Thimble

Galvanized steel

7/8" (2.2 mm)

LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 3 1/2' (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 sands</td>
<td>Loose fine un-</td>
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<tr>
<td>Asphalt</td>
<td>Very dense sand</td>
<td>Silty gravel</td>
<td>Firm clays</td>
<td>compacted sand</td>
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<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>
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<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-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 3½’ (1 m)
2. REMOVE the drive rod
3. PULL the cable to turn (“lock”) the anchor

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

Demolition hammer or small jackhammer depending on soil conditions

Locking the anchor

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).

LEVERAGE
(Manual)

Use rod as a push-down or pull-up lever

LEVERAGE
(Mechanical)

Ratchet-lever hoist (“come-along”)

HYDRAULIC PULL

Bumper jack

Anchor Locker

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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