



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

8AL-60TH | Specifications

8" aluminum arrowhead with 5' cable and thimble

- 356 aluminum alloy
- Heat-treated to T6 specification

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



Anchor

8" (20 cm)



Aluminum arrowheads



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	Soil Class 4
Hardpan Asphalt	Sandy gravel Very dense sand	Silty/clayey sand Silty gravel	Loose/med dense sands Loose sands Firm clays	Loose fine un-compacted sand
9,000 lb 40.0 kN	6,500 lb 28.9 kN	3,500 lb 15.6 kN	2,200 lb 9.79 kN	1,250 lb 5.56 kN

Soil classification per ASTM D-2487/2488

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Contact us for CUSTOM WORK

Size, length, shape, material,
prototypes, cable assemblies

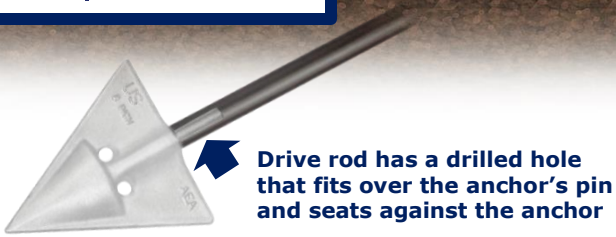


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8AL-60TH | Installation



- 1 DRIVE**
anchor to minimum depth of 3 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

DR-5HT

Length: 5' (1.5 m)
Diameter: 1" (25 mm)

DR-6HT

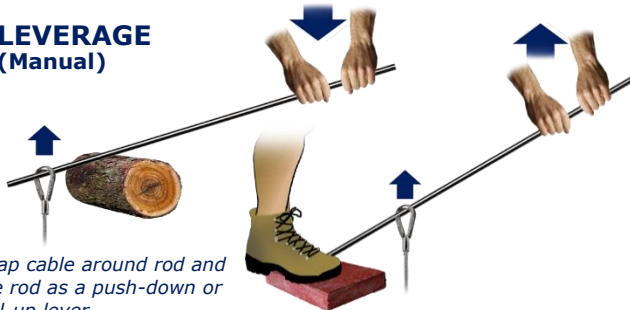
Length: 6' (1.8 m)
Diameter: 1" (25 mm)



Locking the anchor

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).

LEVERAGE (Manual)



LEVERAGE (Mechanical)



HYDRAULIC PULL



Through asphalt

Make slot through asphalt



Non-vertical load

Install at same angle as load for maximum pullout strength

