



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

4AL-48TH | Specifications

4" aluminum arrowhead with 4' cable and thimble

- 356 aluminum alloy
- Heat-treated to T6 specification

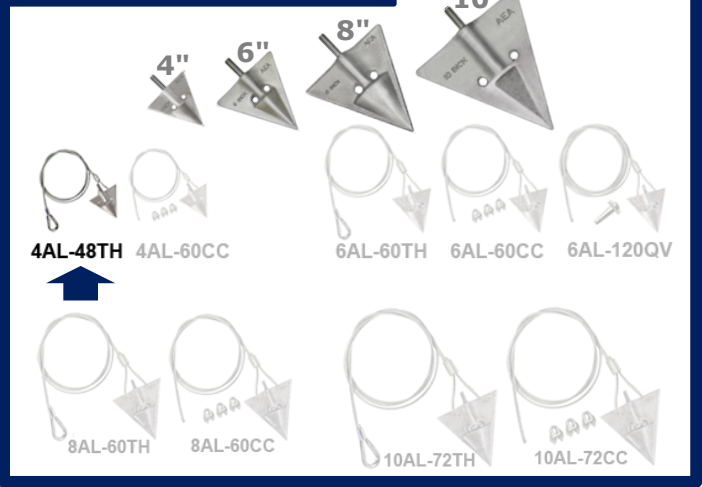
This document also describes the military spec version of this anchor: **4AL-48TH-Mil**



1.75 lb
(.8 kg)



Aluminum arrowheads



Anchor



Cable

Galvanized steel aircraft cable



Diameter: 3/16" (4.8 mm)

Length: 4' (1.2 m)

Breaking strength:
4,200 lb (18.7 kN)

Available in stainless steel as special order

Thimble

Galvanized steel



LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2 1/2' (.8 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
3,500 lb 15.6 kN	2,200 lb 9.79 kN	1,900 lb 8.45 kN	900 lb 4.00 kN	475 lb 2.11 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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4AL-48TH | Installation



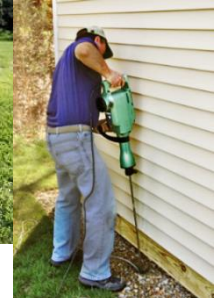
- 1 DRIVE**
anchor to minimum depth of 2 1/2' (.8 m)
- 2 REMOVE**
the drive rod
- 3 PULL**
the cable to turn ("lock") the anchor

Into the ground

Drive rod

Length: 4' (1.2 m)
Diameter: 3/4" (19 mm)

DR-4HT



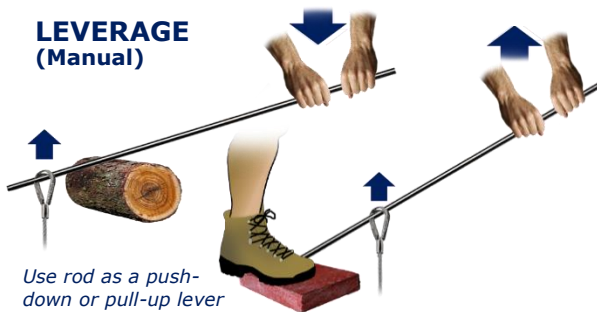
Locking the anchor

During locking, anchor will pull back up as it turns, settles, and locks. Depending on soil type, this can typically be 1-5 inches (3-13 cm).

SIMPLE PULL



LEVERAGE (Manual)



LEVERAGE (Mechanical)

Not usually needed for this size anchor



Through asphalt

Make slot through asphalt



Non-vertical load

Install at same angle as load for maximum pullout strength

