



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

10AL-72TH | Specifications

10" aluminum arrowhead with 6' cable and thimble

- 356 aluminum alloy
- Heat-treated to T6 specification

This document also describes the military spec version of this anchor: **10AL-72TH-Mil**

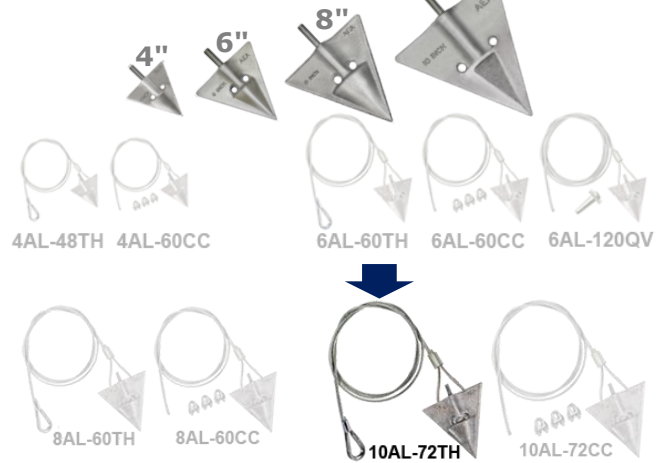


Anchor

10" (25 cm)



Aluminum arrowheads



Cable

Galvanized steel aircraft cable



Diameter: 3/8" (9.5 mm)

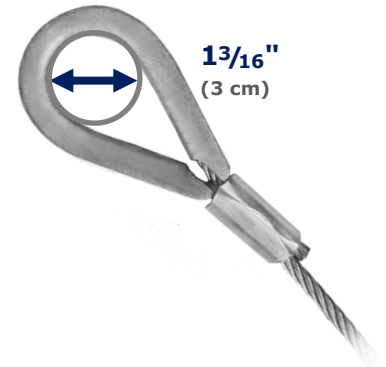
Length: 6' (1.8 m)

Breaking strength:
14,400 lb (64 kN)

Available in stainless steel as special order

Thimble

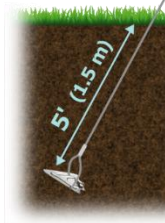
Galvanized steel



13/16" (3 cm)

LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 5' (1.5 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
14,000 lb 62.3 kN	11,000 lb 48.9 kN	7,000 lb 31.1 kN	4,000 lb 17.8 kN	2,400 lb 10.7 kN

Soil classification per ASTM D-2487/2488

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

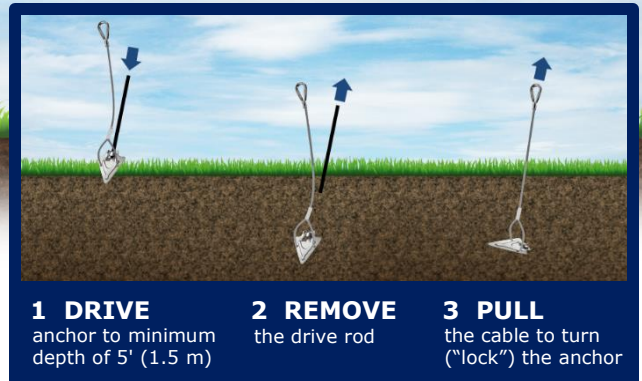


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10AL-72TH | Installation



Into the ground

6' (1.8 m) Drive rod

1" (25 mm) diameter

DR-6HT



Hammering head
DRH-LG



Safety holding handle
DR-SHH



Sledge hammer



Jackhammer

Locking the anchor



During locking, anchor will pull back up as it turns, settles, and locks. Depending on soil type, this can typically be 4-12 inches (10-30 cm).

LEVERAGE



Ratchet-lever hoist ("come-along")



Bumper jack

HYDRAULIC POWER



Anchor Locker

ENGINE POWER



Through asphalt

Make slot through asphalt



One method:
Jackhammer with chisel



Non-vertical load

Install at same angle as load for maximum pullout strength

