



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

4AL-60CC | Specifications

4" aluminum arrowhead with 5' cable and cable clamps

- 356 aluminum alloy
- Heat-treated to T6 specification

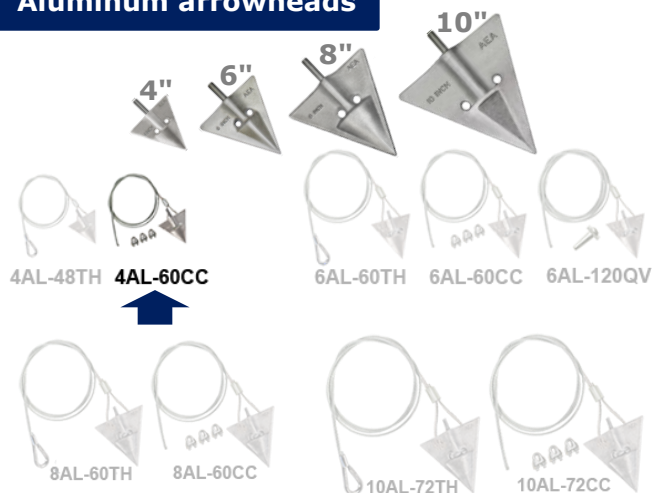
This document also describes the military spec version of this anchor: **4AL-60CC-Mil**



2.5 lb
(1.2 kg)



Aluminum arrowheads



Anchor



Cable

Galvanized steel
aircraft cable

Diameter: $\frac{3}{16}$ " (4.8 mm)

Length: 5' (1.5 m)

Breaking strength:
4,200 lb (18.7 kN)

Available in stainless steel
as special order

Cable clamps

Galvanized steel



Use all three clamps for
maximum loop strength
(approx. 90% of cable
breaking strength)

LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2½' (.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



4AL-60CC | 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 2½' (.8 m)

2 REMOVE
the drive rod

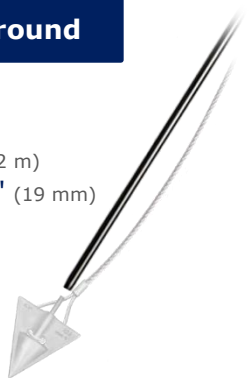
3 PULL
the cable to turn
("lock") the anchor

Into the ground

Drive rod

Length: 4' (1.2 m)
Diameter: ¾" (19 mm)

DR-4HT



Hammering
head
DRH-SM

Safety
holding handle

DR-SHH



Sledge hammer



Demolition hammer

Locking the anchor



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

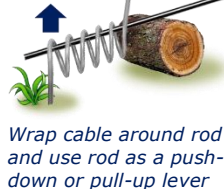
SIMPLE PULL

Wrap cable around rod,
hold coils, and PULL

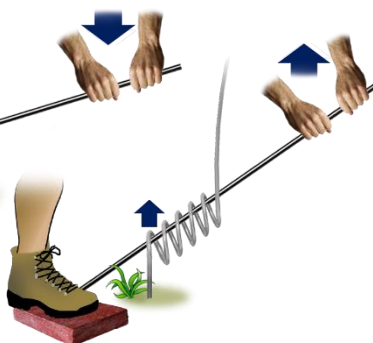


Most common method
for this size anchor

LEVERAGE (Manual)



Wrap cable around rod
and use rod as a push-
down or pull-up lever



LEVERAGE (Mechanical)

Not usually needed
for this size anchor



Ratchet-lever hoist
("come-along")



Bumper
jack

Through asphalt

Make slot
through asphalt



One method:
Jackhammer with chisel



Non-vertical load

Install at same angle
as load for maximum
pullout strength

