



American Earth Anchors

The best screw you will have in the dirt™

americanearthanchors.com

QUICK REFERENCE

6AL-120QV | Specifications

6" aluminum arrowhead with 10' cable and Quickvise

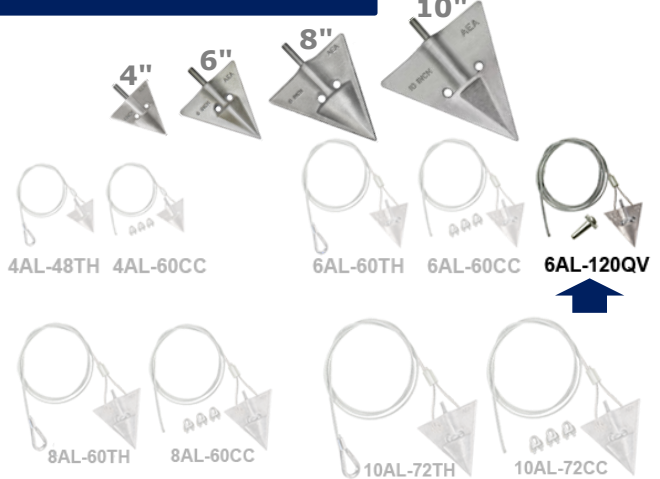
- 356 aluminum alloy
- Heat-treated to T6 specification



3.5 lb
(1.6 kg)



Aluminum arrowheads



Anchor



Cable

Galvanized steel aircraft cable

Diameter: 1/4" (6.3 mm)
Length: 10' (3 m)

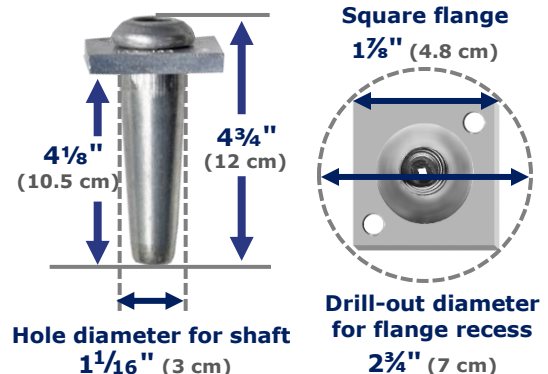
Breaking strength:
7,000 lb (31.1 kN)

Available in stainless steel as special order

Quickvise

Shell: Aluminum
Jaws: Galvanized steel
Spring: Stainless steel

Available separately as product QV14



LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 3 1/2' (1 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
5,000 lb 22.2 kN	3,000 lb 13.3 kN	2,000 lb 8.90 kN	1,200 lb 5.34 kN	600 lb 2.67 kN

Soil classification per ASTM D-2487/2488



American Earth Anchors
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Contact us for CUSTOM WORK

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



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6AL-120QV | 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

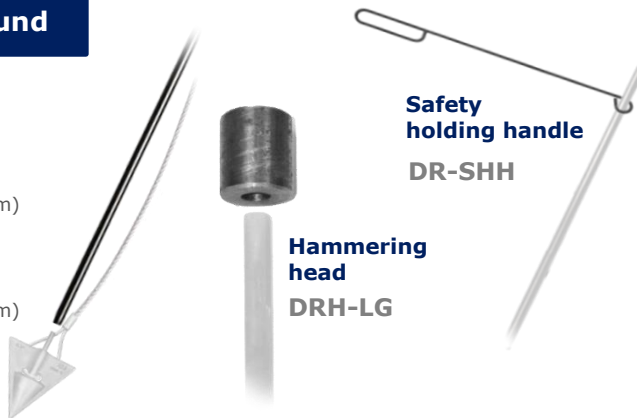
5' or 6' Drive rod

DR-5HT

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

DR-6HT

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



Sledge hammer



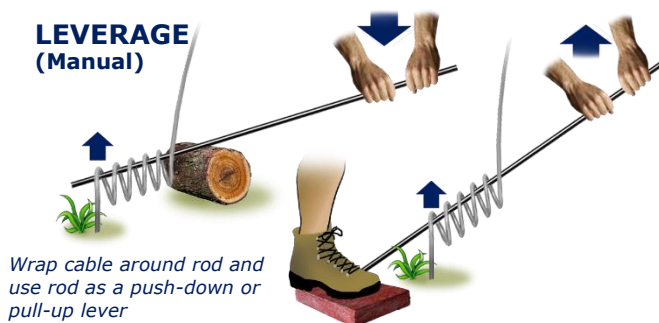
Demolition hammer
or small jackhammer
depending on soil conditions

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)



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

LEVERAGE (Mechanical)



Ratchet-lever hoist
("come-along")



Bumper
jack

HYDRAULIC PULL



AEA 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

