



American Earth Anchors

The best screw you will have in the dirt™

americanearthanchors.com

QUICK REFERENCE

10AL-72QV | Specifications

10" aluminum arrowhead with 6' cable and Quickvise

- 356 aluminum alloy
- Heat-treated to T6 specification



5.5 lb
(2.5 kg)



Aluminum arrowheads



Anchor



Cable

Galvanized steel aircraft cable

Diameter: $\frac{3}{8}$ " (9.5 mm)

Length: 6' (1.8 m)

Breaking strength:
14,400 lb (64 kN)

Available in stainless steel
as special order

Quickvise

Galvanized steel



Steel Jaws hold the
cable wherever it stops.
You can pull it further,
but never back

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



10AL-72QV | 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 5' (1.5 m)

2 REMOVE
the drive rod

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

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

