American Earth Anchors

The best screw you will have in the dirt ™

americanearthanchors.com

QUICK REFERENCE

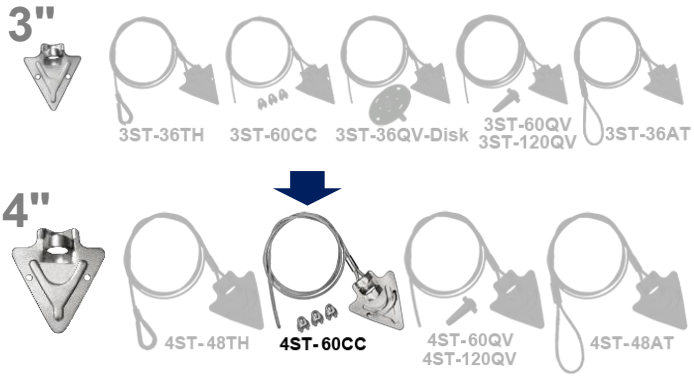
4ST-60CC | Specification

4" steel arrowhead

with 5' cable and cable clamps

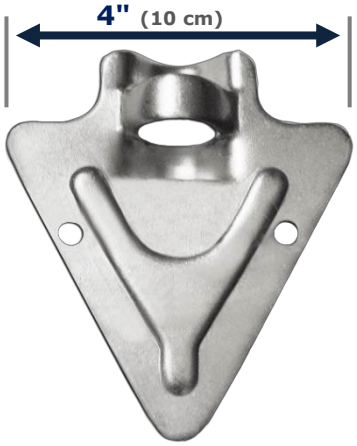
.7 lb
(.32 kg)

Steel Arrowheads



Anchor

Galvanized steel



Cable

Galvanized steel aircraft cable

Diameter: 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

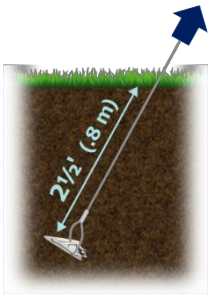
Cable clamps

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

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

866-520-8511
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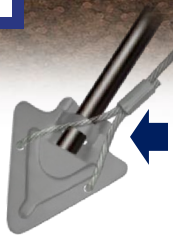
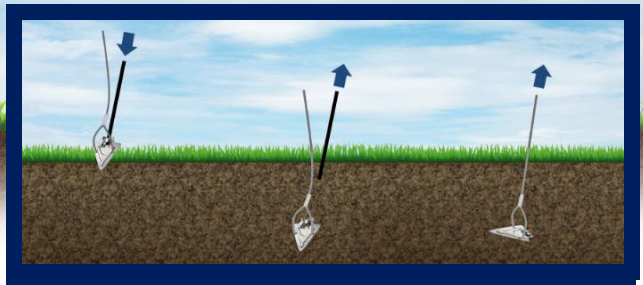
4ST-60CC | Installation

Don't use rebar – it can get stuck in the anchor!



Drive rod fits into back of arrowhead



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

3' (.9 m) drive rod

¾" (19 mm) diameter

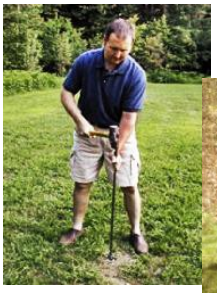
DR-4ST

Hammering head

DRH-SM

Safety holding handle

DR-SHH



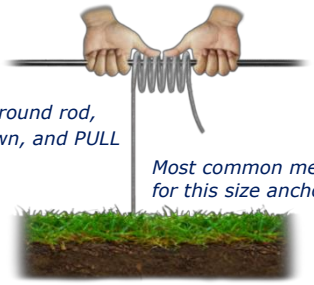
Sledge hammer

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).

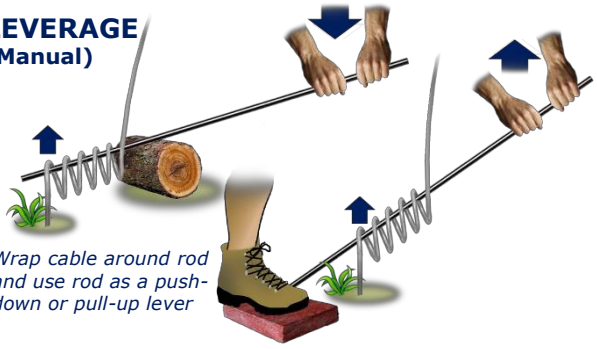
SIMPLE PULL



Wrap cable around rod, hold coils down, 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

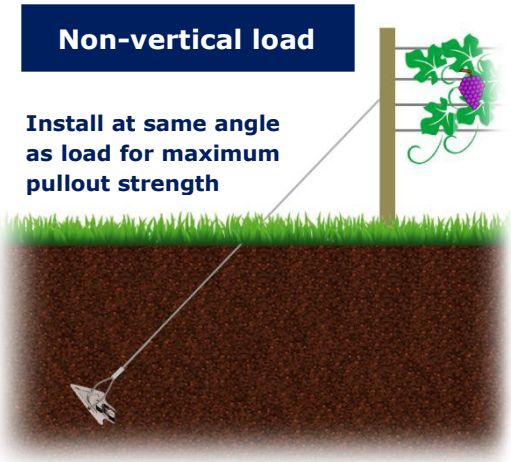
Through asphalt

Make slot through asphalt

One method: Jackhammer with chisel

Non-vertical load

Install at same angle as load for maximum pullout strength



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