



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

3ST-36TH | Specifications

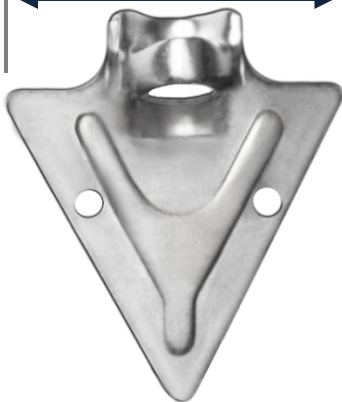
3" steel arrowhead with 3' cable and thimble



Anchor

Galvanized steel

3" (7.5 cm)



Cable

Galvanized steel aircraft cable



Diameter: 1/8" (3 mm)

Length: 3' (.9 m)

Breaking strength:
2,000 lb (8.9 kN)

Available in stainless steel as special order

Thimble

Galvanized steel



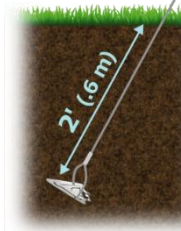
3/4" (19 mm)

Steel Arrowheads



LOAD CAPACITY

Pullout strength at MINIMUM DEPTH 2' (.6 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
2,000 lb 8.90 kN	1,800 lb 8.01 kN	1,700 lb 7.56 kN	600 lb 2.67 kN	350 lb 1.56 kN

Soil classification per ASTM D-2487/2488

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QR-3ST-36TH Mar 2018



American Earth Anchors
info@americanea.com
americaneearthanchors.com

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



866-520-8511



+1 508-520-8511

3ST-36TH | 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 2' (1 m)

2 REMOVE
the drive rod

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

Into the ground

3' (.9 m) drive rod

1/2" (13 mm) diameter

DR-3ST



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 1-4 inches (3-10 cm).

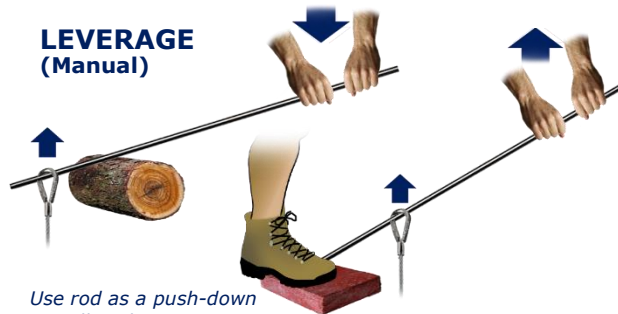
SIMPLE PULL



Put drive rod through thimble and PULL

Most common method for this size anchor

LEVERAGE (Manual)



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

