



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

3ALB-36TH Specifications

3" bullet
with 3' cable and thimble



Anchor

Anodized cast aluminum

- Aircraft-quality 356 alloy
- Heat-treated to T6 specification

3" (7.5 cm)



Bullets

All have the same bullet anchor, with different cable lengths or type of cable termination



Bullet vs. arrowhead

Streamlined bullet shape is designed for driving through compact or stony soils, gravel, hard clay, and other dense or difficult conditions

.5 lb
(.23 kg)



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)



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



American Earth Anchors
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americaneearthanchors.com

Contact us for CUSTOM WORK

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



866-520-8511

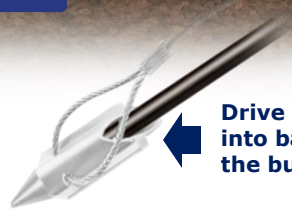


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3ALB-36TH | Installation



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



Drive rod fits into back of the bullet



1 DRIVE
bullet to minimum
depth of 2' (1 m)

2 REMOVE
the drive rod

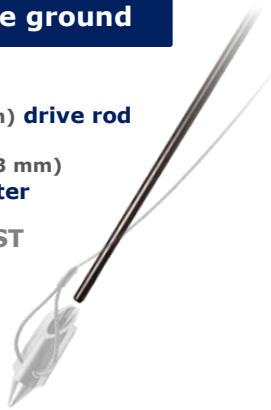
3 PULL
the cable to turn
("lock") the bullet

Into the ground

3' (.9 m) drive rod

1/2" (13 mm)
diameter

DR-3ST

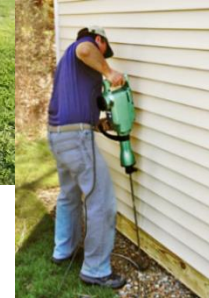


Safety
holding handle

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).

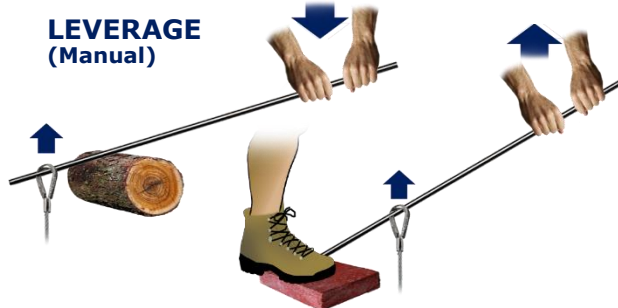
SIMPLE PULL



Put drive rod through
thimble and PULL

Most common
method for this
size anchor

LEVERAGE (Manual)



LEVERAGE (Mechanical)

Not usually needed
for this size anchor



Ratchet-lever hoist
("come-along")



Bumper
jack

Through asphalt

Drill PILOT HOLE
through asphalt
1" (2.5 cm) diameter



Non-vertical load

Install at same angle
as load for maximum
pullout strength

