



American Earth Anchors

The best screw you will have in the dirt™

americanearthanchors.com

QUICK REFERENCE

3ALB-60QV
3ALB-120QV

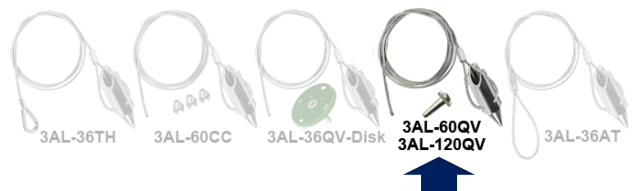
Specifications

3" bullet
with 5' or 10' cable and Quickvise



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

.75 lb
(.34 kg)

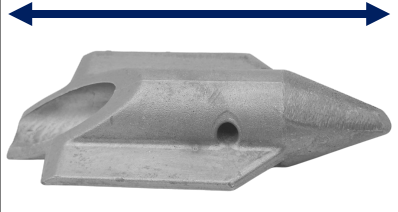


Anchor

Anodized aluminum

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

3" (7.5 cm)



Cable

Galvanized steel aircraft cable

Diameter: 1/8" (3 mm)

Length: 5' (1.5 m)

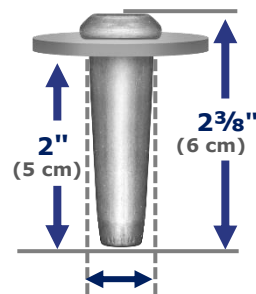
Breaking strength:
2,000 lb (8.9 kN)

Available in stainless steel as special order

Quickvise

Also sold separately as product QV18

Shell: Aluminum
Jaws: Galvanized steel
Spring: Stainless steel



Round flange
1 3/4" (4.5 cm)



Hole diameter for shaft
1 1/16" (2 cm)

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
1,100 lb 4.89 kN	1,100 lb 4.89 kN	1,100 lb 4.89 kN	600 lb 2.67 kN	350 lb 1.56 kN

Soil classification per ASTM D-2487/2488



Contact us for CUSTOM WORK

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



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3ALB-60QV 3ALB-120QV

Installation



Don't use rebar – it can get stuck in 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

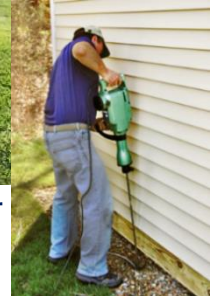
DR-3ST

Safety holding handle

DR-SHH



Sledge hammer



Demolition hammer

Locking the bullet



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

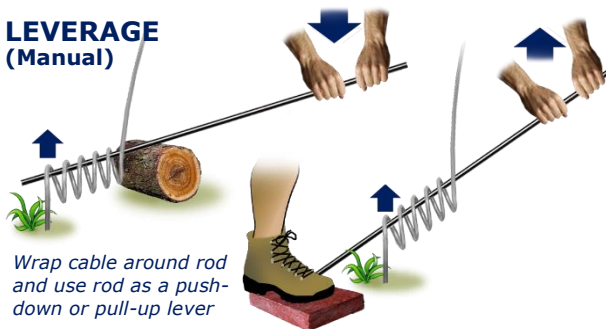
Wrap cable around rod, hold coils, PULL

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

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



Non-vertical load

Install at angle of load for maximum pullout strength

