



American Earth Anchors

The best screw you will have in the dirt™

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QUICK REFERENCE

3AL-60QV
3AL-120QV

Specifications

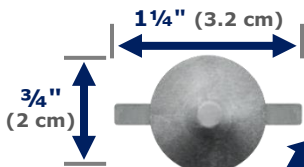
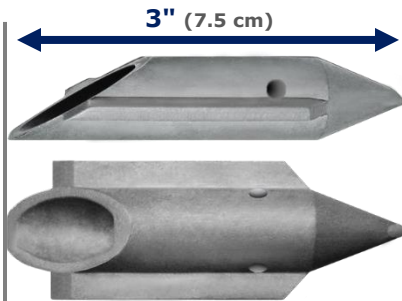
3" bullet
with 5' or 10' cable and Quickvise



Anchor

Anodized aluminum

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



Cable

Galvanized steel aircraft cable

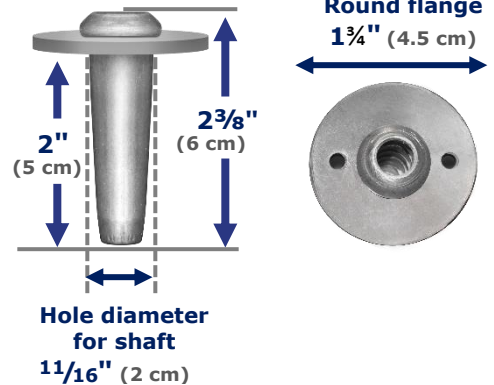
Diameter: 1/8" (3 mm)
Length: 5' (1.5 m)
Breaking strength: 2,000 lb (8.9 kN)

Available in stainless steel as special order

Quickvise

Also sold separately as product QV18

Shell: Aluminum
Jaws: Galvanized steel
Spring: Stainless steel



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

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)



Contact us for **CUSTOM WORK**

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



866-520-8511



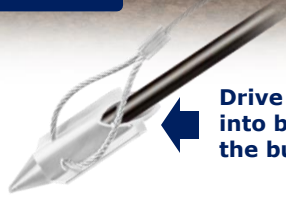
+1 508-520-8511

3AL-60QV 3AL-120QV

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

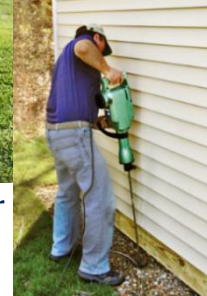
DR-3ST



Safety holding handle
DR-SHH



Sledge hammer



Demolition hammer

Locking the bullet

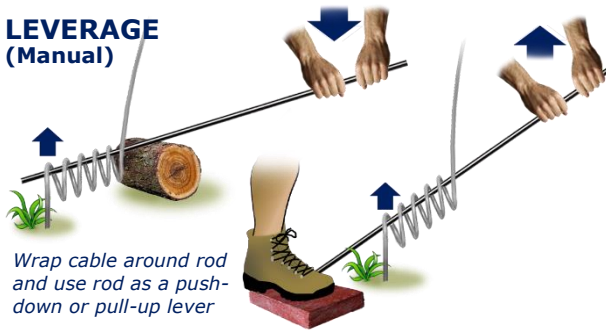


During locking, anchor will pull up as it turns, settles, and locks. Depending on soil type, this can typically be 1-4 inches (3-10 cm).

SIMPLE PULL



LEVERAGE (Manual)



LEVERAGE (Mechanical)

Not usually needed for this size anchor



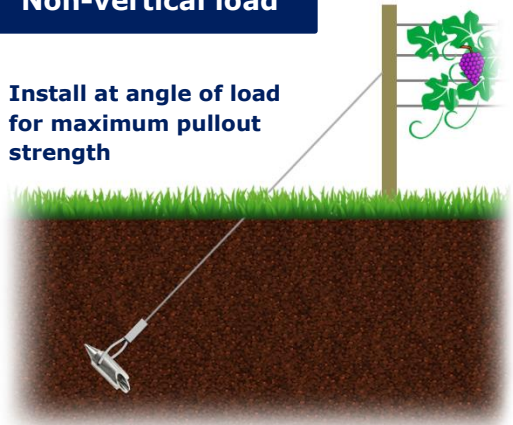
Through asphalt

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



Non-vertical load

Install at angle of load for maximum pullout strength



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