



American Earth Anchors

The best screw you will have in the dirt™

americanea.com
info@americanea.com
866-520-8511

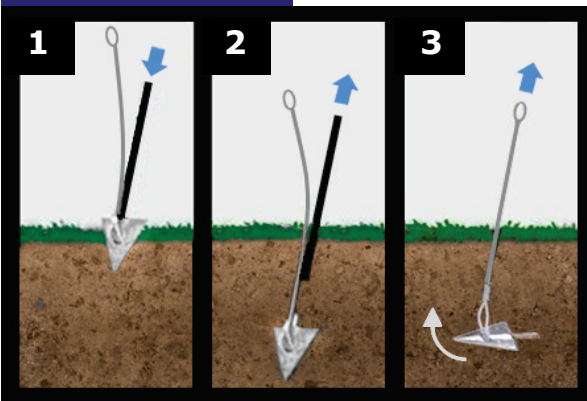


Percussion-Driven Anchors (PDAs) Arrowheads/Bullets

- ☒ Soil
- ☒ Sand
- ☒ Asphalt
- ☒ Underwater



How they work



Hammer in
with drive rod

Remove
drive rod

Pull cable to
turn anchor



Drive rod measurements and accessories: americanea.com

ARROWHEAD BULLET

↑

ARROWHEADS and BULLETS are two of
our four anchor types to handle projects
large or small, simple or complex

YOU HAVE IT, WE HOLD IT™

**PULLOUT
STRENGTH**

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last page



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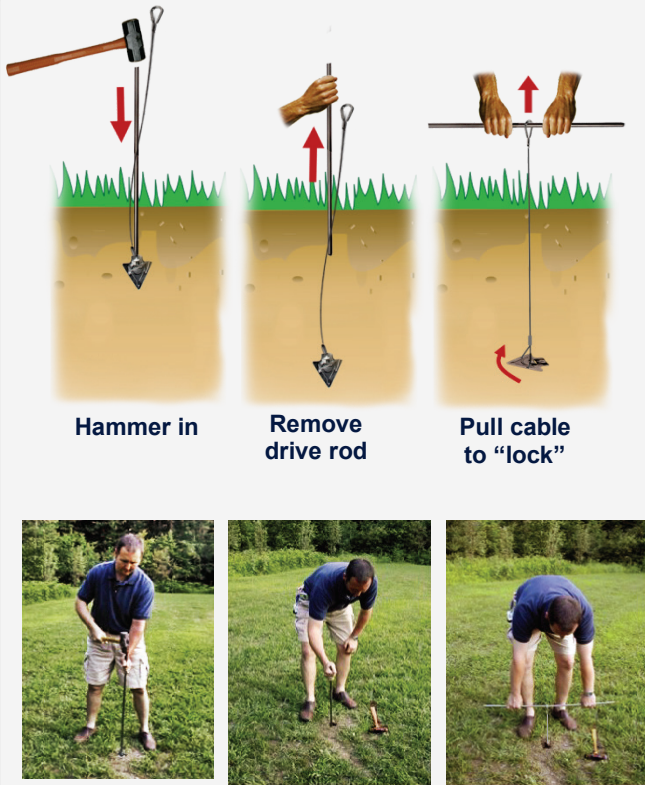
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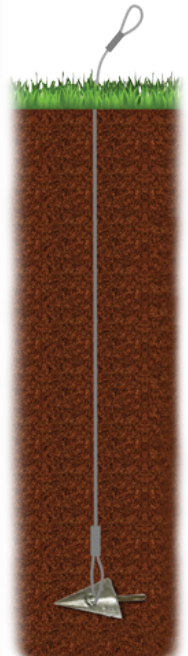
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Into the ground

By hand...

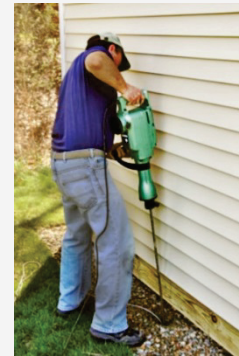


ABOVE
ready to attach
Thimble loop – one
of several options

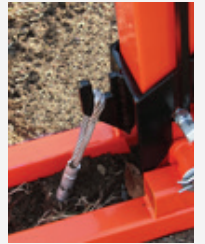


BELOW
sunk and locked

Or with help...

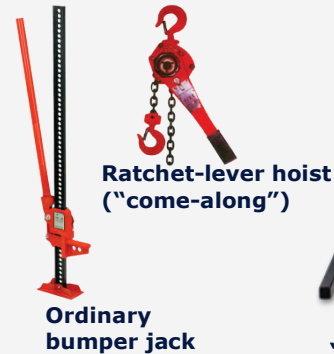


Demolition hammer
on the drive rod



Rig the cable's end
to the anchor
locker's hook

**Pulling the cable to
turn (lock) the anchor:**



Attachment to your structure

Cable clamps



Thimble loop



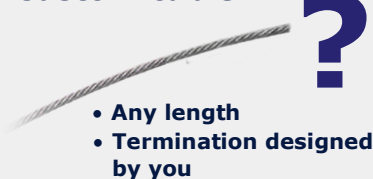
Quickvise



Turf disk with Quickvise



Custom cable

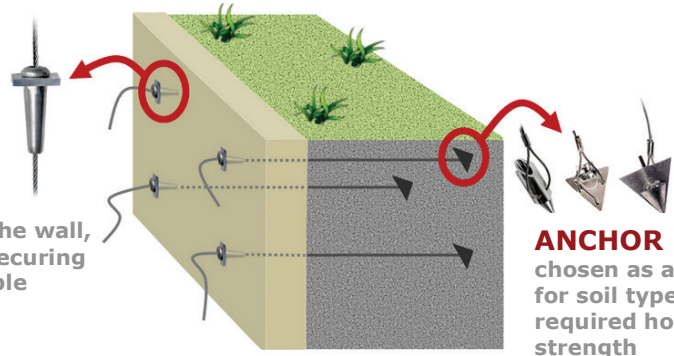


Cabled anchors at work

Retaining wall



QUICKWISE in the wall, for pull-and-grip securing of the anchor's cable



ANCHOR in the soil, chosen as appropriate for soil type and required holding strength

Another locking method

Wrap cable around the drive rod and pull

Seafloor conch pens



Critter containment for conch farming

For more about this remarkable underwater installation, go to "User Gallery" on americanea.com

Creek footpath bridge



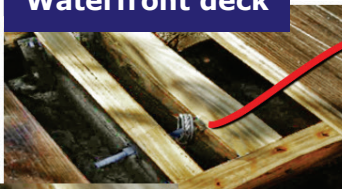
Arrowhead's cable will be wrapped around the horizontal logs, using a large loop held with cable clamps

To anchor the bridge's horizontal support logs so they don't float up during a flash flood



A big one – 8" arrowhead on the way down, installed with demolition hammer

Waterfront deck



35' x 35' deck



Four 8" arrowheads

Arrowhead cable's thimble secured to a bolt through joists



Arrowhead 4 feet down



During Superstorm Sandy the deck went 10 feet underwater, but didn't lift out



... compare to the deck next door, which floated out and crashed



Pullout strength

CABLED ANCHORS		Bullets		Steel arrowheads				Aluminum mil-spec arrowheads			
LOAD CAPACITY Pounds		Above ground securing method		Thimble loop or cable clamps		Quickvise or disk + Quickvise		Thimble loop or cable clamps		Quickvise or disk + Quickvise	
Underground anchor		3"		3"		3"		4"		4"	
Field-tested pullout resistance		3"		3"		4"		4"		6"	
SOIL CLASS		Hardpan / asphalt		Dense sand or gravel		Medium sandy gravel		Loose medium-to-fine sand		Loose fine uncompacted sand	
1		2,000 lb	1,500 lb	2,000 lb	1,500 lb	3,500 lb	3,150 lb	3,500 lb	5,000 lb	9,000 lb	14,000 lb
2		1,800 lb	1,500 lb	1,800 lb	1,500 lb	2,200 lb	2,200 lb	2,200 lb	3,000 lb	6,500 lb	11,000 lb
3		1,700 lb	1,500 lb	1,700 lb	1,500 lb	1,900 lb	1,900 lb	1,900 lb	2,000 lb	3,500 lb	7,000 lb
4		600 lb	600 lb	600 lb	600 lb	900 lb	900 lb	900 lb	1,200 lb	2,200 lb	4,000 lb
4		350 lb	350 lb	350 lb	350 lb	475 lb	475 lb	475 lb	600 lb	1,250 lb	2,400 lb

BEYOND THE CATALOG ...



CUSTOM WORK

- Flash cutting – *Fused cable ends, custom length*
- Cable assemblies
- Prototypes
- Full machine shop – *From CNC to welding*
- Custom packaging
- Heat-seal bagging
- Bar coding

Let us help with your designs and ideas

