



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

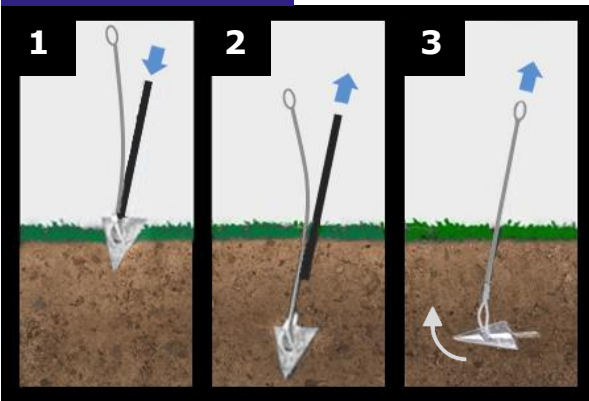


Arrowheads/Bullets

- Soil
- Sand
- Asphalt
- Underwater



How they work



1 Hammer in with drive rod

2 Remove drive rod

3 Pull cable to turn anchor

Penetrator

ARROWHEAD BULLET

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

YOU HAVE IT, WE HOLD IT™



Drive rod measurements and accessories: americaneearthanchors.com

PULLOUT STRENGTH
Table on last page



Into the ground

By hand...

Hammer in **Remove drive rod** **Pull cable to "lock"**

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:

Ratchet-lever hoist ("come-along")

Ordinary bumper jack **American Earth Anchors' hydraulic "anchor locker"**

Attachment to your structure

Cable clamps

To make a large loop around a structural member, or for any custom/adjustable tie-off loop

Thimble loop

For bolting directly to your structure, or for easy tie-off to your cable, rope, turnbuckle, or other connector

Quickvise

Tensioned hold-down against a hard surface

Anchor disk with Quickvise

Tensioned hold-down against erosion mat, with holes for roots

Custom cable

- Any length
- Termination designed by you

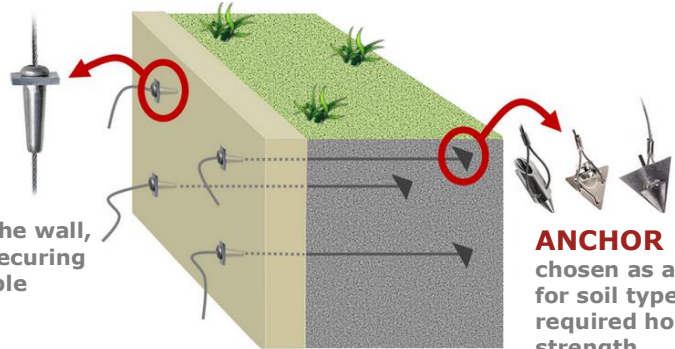


Cabled anchors at work

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



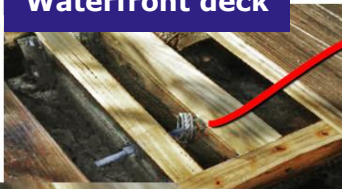
To anchor the bridge's horizontal support logs so they don't float up during a flash flood

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

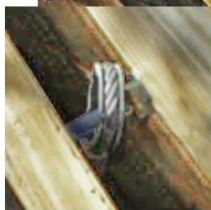


A big one – 8" arrowhead on the way down, installed with demolition hammer

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		 Thimble loop or cable clamps		 Quickvise or disk + Quickvise		 Thimble loop or cable clamps		 Quickvise or disk + Quickvise		 Thimble loop or cable clamps		 Quickvise or disk + Quickvise		 Thimble loop or cable clamps		 Thimble loop or cable clamps		 Thimble loop or cable clamps		 Thimble loop or cable clamps			
Above ground securing method		3"		3"		3"		3"		4"		4"		4"		6"		8"		10"			
Underground anchor		3"		3"		3"		3"		4"		4"		4"		6"		8"		10"			
Field-tested pullout resistance																							
SOIL CLASS		Hardpan / asphalt		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	
1		Dense sand or gravel		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	
2		Medium sandy gravel		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	
3		Loose medium-to-fine sand		600 lb		600 lb		600 lb		600 lb		900 lb		900 lb		900 lb		1,200 lb		2,200 lb		4,000 lb	
4		Loose fine uncompacted sand		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

