

American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

Anchors and Footings For Fabric Structures

PENETRATOR™

The time-tested screw – Upscaled!

- Soil
- Sand
- Asphalt
- Underwater
- Commercial
- Residential
- Military
- Permanent
- Temporary

➤ Reusable

Screw in, screw out

➤ Strong

Cast aluminum 356 alloy aircraft-quality aluminum heat treated to T6 specification

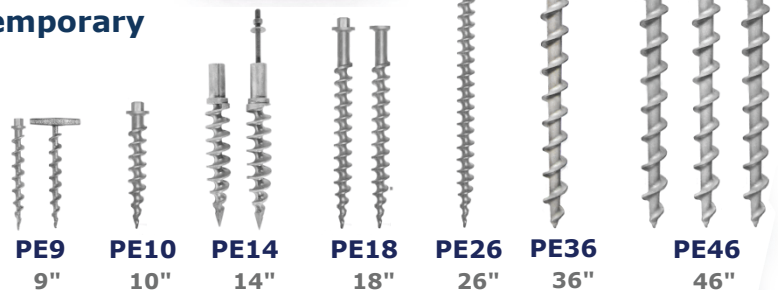
➤ Lightweight

*The ALUMINUM advantage:
Shipping cost, on-site handling, NO RUST*

➤ ALTERNATIVE TO CONCRETE FOOTINGS

PE36 and PE46 – the “big ones”

- No digging
- No forms
- No pouring
- No waiting
- Easy leveling



PE46-Guy



PE26



American Earth Anchors
americaneearthanchors.com
info@americanea.com



866-520-8511



+1 508-520-8511

PENETRATOR Anchors and Footings for Fabric Structures

INSTALLATION



Electric impact wrench



Pneumatic impact wrench



 T-handle



POWER TAKEOFF

rigged with 2" socket
for PE36 or PE46

on tractor, skid-steer (Bobcat)
or other PTO-equipped machinery

Watch videos at
aeavideo.com



PE26 with tie-off cable
to turnbuckle



Hardpan method:
Drill 1" x 10" pilot hole



PE46 supporting 4x4
posts up to deck joists



PE14 with eye-bolt attached,
hooked to a strap running up to
the "eaves" of the tent



American Earth Anchors
americanearthanchors.com
info@americanearthanchors.com



866-520-8511
+1 508-520-8511

PENETRATOR Anchors and Footings for Fabric Structures



PE46-Hex with base bar resting on the flange and bolted through the hex head



PE46-Guy cabled to points on the structure



PE18 with foot plate slipped over each foot



POP-UP-TENTS



Suitable for very temporary installations such as a soccer game or tailgate party

No Tools Needed

PE-T9 with tie-off cable attached to upper tent corners



PE14 attached with bolt through foot on canopy leg



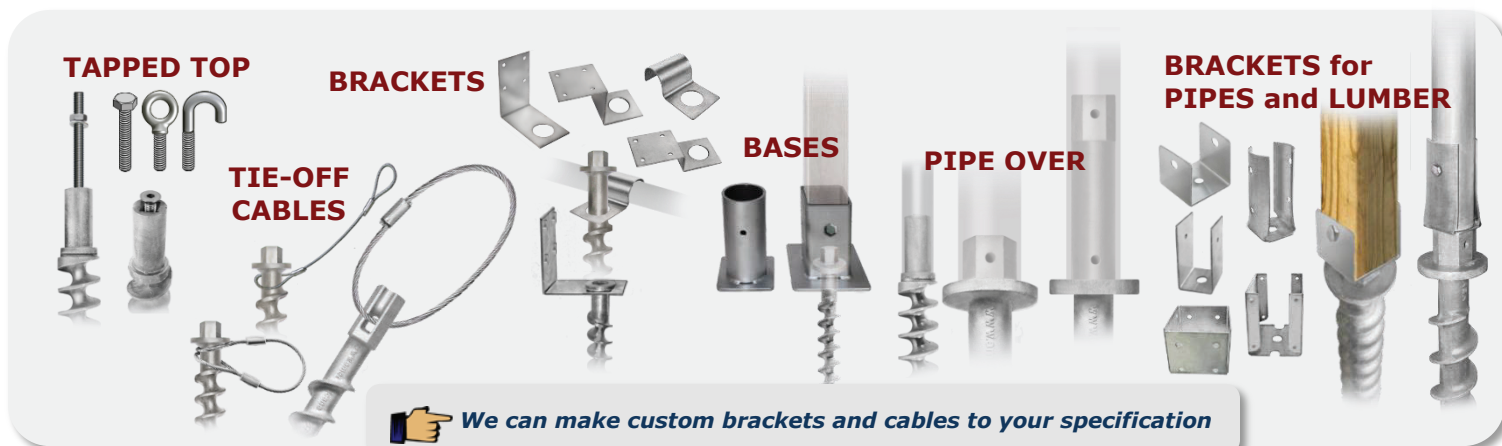
This anchor is useful for direct attachment to structures with smaller (bolt-sized) holes



PE26 with tie-off cable and turnbuckle to leg of structure



ATTACHMENT METHODS



PULLOUT STRENGTH



PENETRATORS™		9"		10"		14"		18"		26"		36"		46"	
LOAD CAPACITY Pounds		PE9 PE-T9		PE10		PE14 PE14-STD		PE18 PE18-SQ		PE26		PE36		PE46-Hex PE46-Hex8 PE46-Guy	
SOIL CLASS	Hardpan / asphalt	400	1,000	2,500	4,500	8,400	14,000								
	1 Dense sand or gravel	200	700	1,700	3,100	6,000	9,500								
	2 Medium sandy gravel	100	350	600	1,100	2,100	3,300								
	3 Loose medium-to-fine sand	Less than 100	200	350	630	1,000	2,000								
	4 Loose fine uncompacted sand	Less than 100	100	200	360	350	1,100								

CABLED ANCHORS		Bullets		Steel arrowheads				Aluminum mil-spec arrowheads			
LOAD CAPACITY Pounds		Thimble loop or cable clamps		Quickwise or disk + Quickwise		Thimble loop or cable clamps		Quickwise or disk + Quickwise		Thimble loop or cable clamps	
Field-tested pullout resistance		Minimum depth 2'		Minimum depth 2'		Minimum depth 2.5'		Minimum depth 2.5'		Minimum depth 3.5'	
		3"		3"		4"		4"		6"	
SOIL CLASS	Hardpan / asphalt	2,000 lb	1,100 lb	2,000 lb	1,100 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	1,100 lb	1,800 lb	1,100 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	1,100 lb	1,700 lb	1,100 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

