



American Earth Anchors

The best screw you will have in the dirt™

americaneearthanchors.com

QUICK REFERENCE

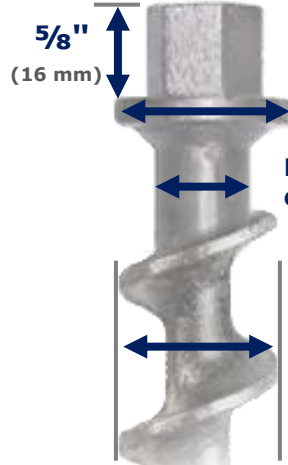
PE9 | Specifications

9" Penetrator™

- Aircraft-quality cast aluminum 356 alloy
- Heat-treated to T6 specification
- Install with 3/4" or 19 mm socket
- Removable



9"
(23 cm)



5/8"
(16 mm)

Flange diameter
1 3/4" (3.2 cm)

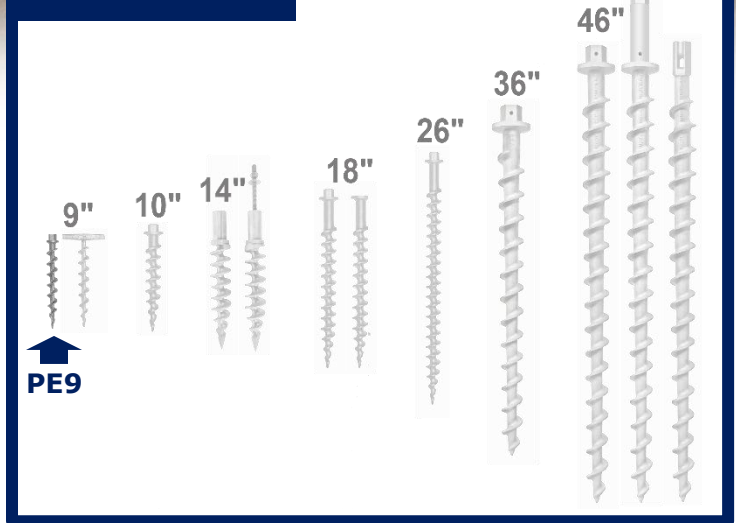
Neck diameter
5/8" (16 mm)

Flight diameter
1 1/8" (2.9 cm)

Socket size
3/4" (19 mm)



Penetrators



LOAD CAPACITY

Pullout strength with flight fully embedded

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
400 lb 1.78 kN	200 lb 0.89 kN	100 lb 0.44 kN	Less than 100 lb 0.44 kN	Less than 100 lb 0.44 kN

Soil classification per ASTM D-2487/2488

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American Earth Anchors
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Contact us for CUSTOM WORK
Size, length, shape, material,
prototypes, cable assemblies



866-520-8511



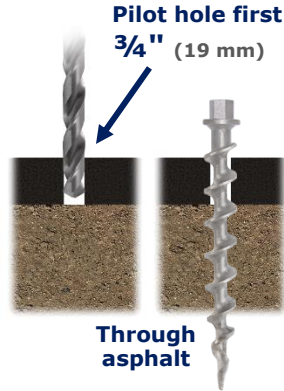
+1 508-520-8511

PE9 | Installation

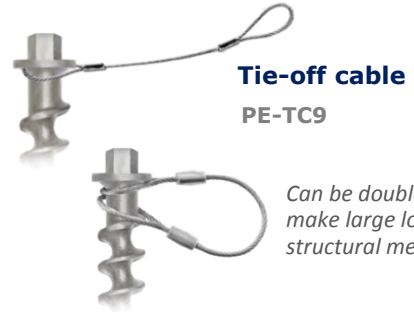
Installation method



Impact wrench

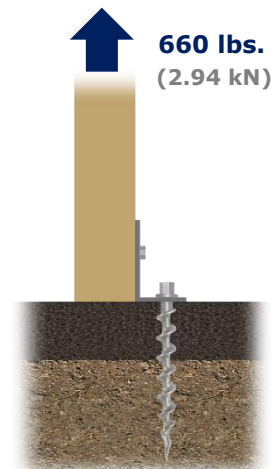
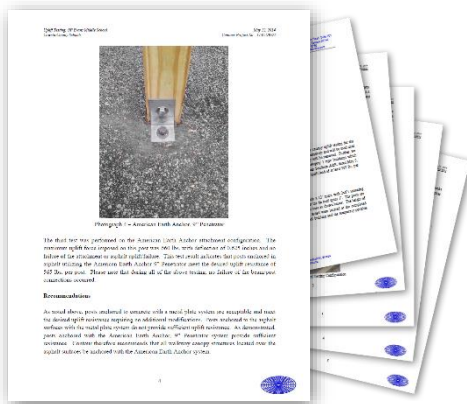


Attachment accessory



Field test

Anchoring walkway canopies on asphalt
Contact us for the full report



“ The third test was performed on the American Earth Anchor attachment configuration. The maximum uplift force imposed on this post was 660 lbs. with deflection of 0.625 inches and no failure of the attachment or asphalt uplift/failure. This test result indicates that posts anchored in asphalt utilizing the American Earth Anchor 9" Penetrator meet the desired uplift resistance of 565 lbs. per post. Please note that during all of the above testing, no failure of the beam/post connections occurred.

Posts anchored to the asphalt surfaces with the metal plate system do not provide sufficient uplift resistance. As demonstrated, posts anchored with the American Earth Anchor, 9" Penetrator system provide sufficient resistance. Contour therefore recommends that all walkway canopy structures located over the asphalt surfaces be anchored with the American Earth Anchor system.

