



# American Earth Anchors

The World's Most Trusted Ground Anchors

QUICK REFERENCE

**PE46-Flat | 46" PENETRATOR**

## PE46-Flat | Specifications

### 46" Penetrator with flat hex head

- Aircraft-quality cast aluminum 356 alloy
- Heat-treated to T6 specification
- Install with 3.5" or 89 mm socket
- Removable

**10.5 lb**  
(4.8 kg)



Flange thickness  
**1"** (25 mm)

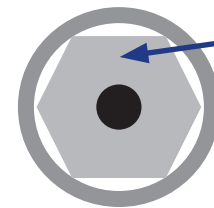
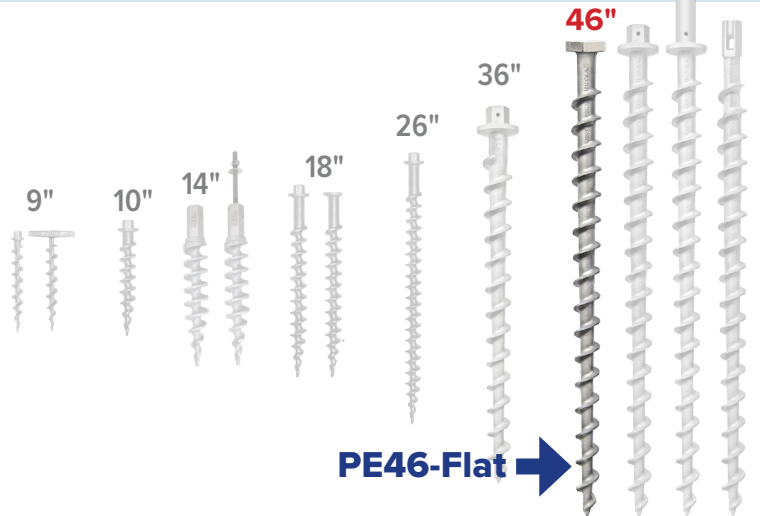
Flange diameter  
**3.5"** (89 mm)

Neck diameter  
**1-3/4"** (45 mm)

Flight diameter  
**3"** (77 mm)

Flight length  
**46"**  
(1.2 m)

## PENETRATOR SERIES



Socket size  
**3.5"** (89 mm)

Threaded hole  
for **3/4" -10** bolt

**!** 6 point socket (instead of 12 point socket) will minimize wear and rounding of hex head for repeated installation/removal

## Load Capacity

Pullout strength with flight fully embedded

Soil Class 1	Soil Class 2	Soil Class 3	Soil Class 4	Soil Class 5
Hardpan Asphalt	Sandy gravel Very dense sand	Silty/clayey sand Silty gravel	Loose/med dense sands Loose sands Firm clays	Loose fine uncompacted sand
<b>14,000 lb</b> 63.3 kN	<b>9,500 lb</b> 13.8 kN	<b>3,300 lb</b> 4.89 kN	<b>2,000 lb</b> 2.80 kN	<b>750 lb</b> 1.60 kN

Soil classification per ASTM D-2487/2488



**AmericanEarthAnchors.com**  
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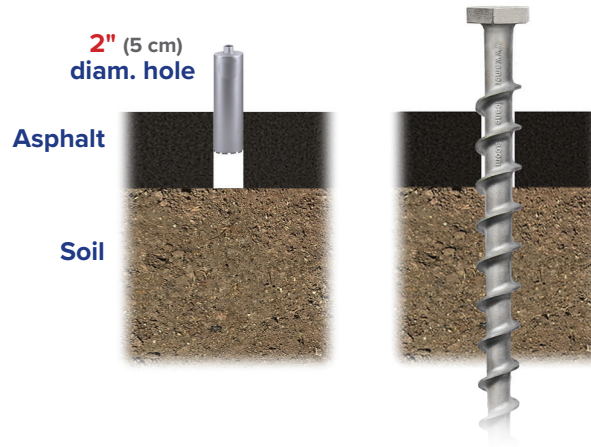
**Contact us for CUSTOM WORK**

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

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

## THROUGH ASPHALT

Drill PILOT HOLE  
through asphalt



## INSTALLATION METHODS



Impact wrench

[Click here to watch the video or visit aeavideo.com](#)



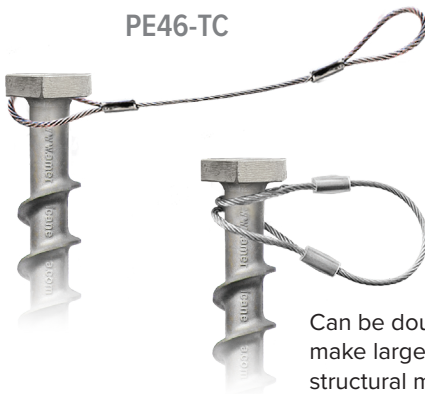
Power take-off

[Click here to watch the video or visit aeavideo.com](#)

## ATTACHMENT ACCESSORIES

We will make custom brackets or sleeves to your specification

Tie-off cable  
PE46-TC



Can be doubled over to make large loop around structural member

U-Brackets



For 4" x 4" post  
(10 cm x 10 cm)



For 2" pipe  
(15 cm)



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