**American Earth Anchors**

*The best screw you will have in the dirt™*

americanearthanchors.com

# Penetrators

**PE26 Specifications**

**26" Penetrator™**

- Aircraft-quality cast aluminum 356 alloy
- Heat-treated to T6 specification
- Install with 1" or 26 mm socket
- Removable

<table>
<thead>
<tr>
<th>Socket size</th>
<th>1&quot; (26 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flange diameter</td>
<td>2&quot; (5 cm)</td>
</tr>
<tr>
<td>Neck diameter</td>
<td>1&quot; (26 mm)</td>
</tr>
<tr>
<td>Flight diameter</td>
<td>1¾&quot; (45 mm)</td>
</tr>
<tr>
<td>Flight length</td>
<td>26&quot; (66 cm)</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Soil Class 1</th>
<th>Soil Class 2</th>
<th>Soil Class 3</th>
<th>Soil Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardpan Asphalt</td>
<td>Sandy gravel</td>
<td>Silty/clayey sand</td>
<td>Loose/fine un-compacted sand</td>
</tr>
<tr>
<td>4,500 lb</td>
<td>3,100 lb</td>
<td>1,100 lb</td>
<td>360 lb</td>
</tr>
<tr>
<td>20.0 kN</td>
<td>13.8 kN</td>
<td>4.89 kN</td>
<td>1.60 kN</td>
</tr>
</tbody>
</table>

Soil classification per ASTM D-2487/2488

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

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## PE26 Installation

### Through asphalt

**Drill PILOT HOLE through asphalt**

![Asphalt and Soil Diagram]

- 1" (2.5 cm) diameter

- Asphalt
- Soil

### Through metal plate

**Recommended plate thickness and hole diameter for clear passage of PE26’s screw:**

<table>
<thead>
<tr>
<th>Plate Diameter</th>
<th>Hole Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; (6 mm)</td>
<td>1 1/2&quot; (39 mm)</td>
</tr>
<tr>
<td>1/2&quot; (13 mm)</td>
<td>1 5/8&quot; (42 mm)</td>
</tr>
<tr>
<td>3/4&quot; (20 mm)</td>
<td>1 3/8&quot; (42 mm)</td>
</tr>
</tbody>
</table>

### Installation methods

- **Impact wrench**
- **T-handle**
- **Optional ratchet**
- **1" socket**

### Attachment accessories

- **Tie-off cable** PE-TC
  - Can be doubled over to make large loop around structural member

- **Sleeves and plates**

- **Brackets**
  - 4x4 lumber
  - 2x4 lumber
  - 2" pipe

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**Contact us for custom bracket/sleeve sizes and designs**

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