18" Penetrator™
with square-drive (flat) head

- Aircraft-quality cast aluminum 356 alloy
- Heat-treated to T6 specification
- Install with ½" square drive
- Removable

1.3 lb (.6 kg)

Penetrators

Fits ½" square drive

Flange diameter 2" (5 cm)

Neck diameter 1" (26 mm)

Flight diameter 1¾" (45 mm)

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>
<th>Soil Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardpan Asphalt</td>
<td>Sandy gravel</td>
<td>Silty/clayey sand</td>
<td>Loose sands</td>
<td>Loose fine un-</td>
</tr>
<tr>
<td>Very dense sand</td>
<td>Silty gravel</td>
<td>Firm clays</td>
<td>uncompacted sand</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Soil Class 1</th>
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<th>Soil Class 3</th>
<th>Soil Class 4</th>
<th>Soil Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,500 lb</td>
<td>1,700 lb</td>
<td>600 lb</td>
<td>350 lb</td>
<td>200 lb</td>
</tr>
<tr>
<td>11.1 kN</td>
<td>7.56 kN</td>
<td>2.67 kN</td>
<td>1.56 kN</td>
<td>0.89 kN</td>
</tr>
</tbody>
</table>

Soil classification per ASTM D-2487/2488

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

American Earth Anchors
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QR:PE18-SQ Mar 2018

Penetrators

PE18SQ
**PE18SQ | Installation**

### Through asphalt

**Drill PILOT HOLE through asphalt**

1” (2.5 cm) diameter hole

Asphalt

Soil

### Through metal plate

<table>
<thead>
<tr>
<th>Plate Size</th>
<th>Hole Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼” (7 mm)</td>
<td>1½” (39 mm)</td>
</tr>
<tr>
<td>½” (13 mm)</td>
<td>1½” (42 mm)</td>
</tr>
<tr>
<td>¾” (20 mm)</td>
<td>1⅛” (42 mm)</td>
</tr>
</tbody>
</table>

**Installation methods**

- **Impact wrench**
- **T-handle**

**Attachment accessories**

- **Tie-off cable** PE-TC
- **Sleeves and plates**
- **Brackets**

- Optional ratchet
- ½” square-drive tip

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

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