**PE14-STD Specifications**

**14" Penetrator™** with stud/nut/washer

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

![Diagram of 14" Penetrator](image)

**Dimensions**

- Flight diameter: 1.4" (36 mm)
- Neck diameter: 1.5" (38 mm) ID pipe fits over
- Thread: ½"-13
- Flight: 2 ¼" (58 mm)
- Neck: 6" (15 cm)
- Penetrator length: 14.5" (37 cm)
- Stud length: 12" (30 cm)
- Stud: 1.5 lbs (0.7 kg)

**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/dense sands</td>
<td>Loose fine un-compacted sand</td>
</tr>
<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

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Through asphalt

Drill PILOT HOLE through asphalt

1½" (4 cm) diameter hole

Asphalt

Soil

Installation methods

Impact wrench

Optional ratchet

½" square drive tip

T-handle