**18” Penetrator™ with hex head**

- Aircraft-quality cast aluminum 356 alloy
- Heat-treated to T6 specification
- Install with 1” or 26 mm socket
- Removable
- National Stock Number (NSN) 4030-01-528-5749

**Quick Reference**

- **Penetrators**
  - Flight diameter: 1¾” (45 mm)
  - Neck diameter: 1” (26 mm)
  - Flange diameter: 2” (5 cm)
  - 6-point socket (instead of 12-point socket) will minimize wear and rounding of hex head for repeated installation/removal

**Specifications**

- **1.5 lb (.7 kg)**
- **Socket size 1” (26 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 med dense sands</td>
<td>Loose fine uncompacted 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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**Installation methods**

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

**Attachment accessories**

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

- **Sleeves and plates**

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

**QUICK REFERENCE**

- **Through asphalt**
  - Drill PILOT HOLE through asphalt
  - 1” (2.5 cm) diameter

- **Through metal plate**
  - ¼” plate (7 mm)
  - 1½” hole (39 mm)
  - ½” plate (13 mm)
  - 1⅛” hole (42 mm)
  - ¾” plate (20 mm)
  - 1⅝” hole (42 mm)