Grease Fittings

SPL Taper Thread

GREASE FITTING — SPL TAPER THREAD

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Thread</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Recommended Hole Size</th>
<th>Hex Size Across the Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shank Length</td>
<td>Total Height</td>
<td>Effective Thread Length</td>
<td>Max</td>
<td>Min</td>
</tr>
<tr>
<td>31FGS-SPLT</td>
<td>Straight</td>
<td>1/4-28</td>
<td>13/64”</td>
<td>9/16”</td>
<td>9/64”</td>
<td>0.235</td>
<td>0.230</td>
</tr>
</tbody>
</table>

Description

A fastener that has external threads at one end and a nipple-style connection at the opposite end. The nipple consists of an opening in which a small captive ball bearing maintains its location flush with the surface of the fitting by the force supplied by a retaining spring within the fitting.

Applications / Advantages

Used on mining, agricultural and industrial equipment when regularly scheduled lubrication maintenance is required to extend lifespan of machinery. Installation force causes material of untapped hole to reshape conforming to fitting thread contour, providing a leak proof permanent seal.

Material

Carbon Steel

Case Depth

0.13 - 0.23 mm

Case Hardness

Rockwell 15N 83 minimum

Plating

Parts are supplied RoHS zinc finish.
## Grease Fittings — SPL Pipe Thread

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Thread</th>
<th>Shank Length</th>
<th>Total Height</th>
<th>Effective Thread Length</th>
<th>Check Valve Distance</th>
<th>Recommended Hole Size</th>
<th>Hex Size Across the Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td>43FGS-SPL</td>
<td>Straight</td>
<td>1/8-27</td>
<td>15/64&quot;</td>
<td>5/8&quot;</td>
<td>9/64&quot;</td>
<td>-</td>
<td>.380</td>
<td>.373</td>
</tr>
<tr>
<td>43FG45-SPL</td>
<td>Elbow</td>
<td>1/8-27</td>
<td>13/64&quot;</td>
<td>27/32&quot;</td>
<td>11/64&quot;</td>
<td>29/64&quot;</td>
<td>.380</td>
<td>.373</td>
</tr>
<tr>
<td>43FG90-SPL</td>
<td>Elbow</td>
<td>1/8-27</td>
<td>13/64&quot;</td>
<td>3/4&quot;</td>
<td>11/64&quot;</td>
<td>17/32&quot;</td>
<td>.380</td>
<td>.373</td>
</tr>
</tbody>
</table>

### Description
A fastener that has external threads at one end and a nipple-style connection at the opposite end. The nipple consists of an opening in which a small captive ball bearing maintains its location flush with the surface of the fitting by the force supplied by a retaining spring within the fitting.

### Applications / Advantages
Used on mining, agricultural and industrial equipment when regularly scheduled lubrication maintenance is required to extend lifespan of machinery. Installation force causes material of untapped hole to reshape conforming to fitting thread contour, providing a leak proof permanent seal.

### Material
Carbon Steel

### Case Depth
0.13 - 0.23 mm

### Case Hardness
Rockwell 15N 83 minimum

### Plating
Parts are supplied RoHS zinc finish.
Grease Fittings — SAE-LT Taper Thread

Description
A fastener that has external threads at one end and a nipple-style connection at the opposite end. The nipple consists of an opening in which a small captive ball bearing maintains its location flush with the surface of the fitting by the force supplied by a retaining spring within the fitting.

Applications / Advantages
Used on mining, agricultural and industrial equipment when regularly scheduled lubrication maintenance is required to extend lifespan of machinery. These fittings are designed to be installed into straight holes with 1/4-28 UNF 3B straight thread.

Material
Carbon Steel

Case Depth
0.13 - 0.23 mm

Case Hardness
Rockwell 15N 83 minimum

Plating
Parts are supplied RoHS zinc finish.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Thread</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Hex Size Across the Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shank Length</td>
<td>Total Height</td>
<td>Effective Thread Length</td>
<td>Check Valve Distance</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Ref</td>
<td>Ref</td>
<td>Ref</td>
<td>Ref</td>
<td></td>
</tr>
<tr>
<td>31FGS-SAELT</td>
<td>Straight</td>
<td>1/4-28</td>
<td>3/16&quot;</td>
<td>35/64&quot;</td>
<td>9/64&quot;</td>
<td>-</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td>37FG45-SAELT</td>
<td>Elbow</td>
<td>1/4-28</td>
<td>7/32&quot;</td>
<td>27/32&quot;</td>
<td>5/32&quot;</td>
<td>7/16&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>37FG90-SAELT</td>
<td>Elbow</td>
<td>1/4-28</td>
<td>7/32&quot;</td>
<td>3/4&quot;</td>
<td>5/32&quot;</td>
<td>33/64&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

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## Grease Fittings — PTF Pipe Thread

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>Thread</th>
<th>A Shack Length</th>
<th>B Total Height</th>
<th>C Effective Thread Length</th>
<th>E Thread Outside Diameter</th>
<th>Hex Size Across the Flats</th>
</tr>
</thead>
<tbody>
<tr>
<td>56FGS-PTF</td>
<td>Straight</td>
<td>1/4-18</td>
<td>3/8&quot;</td>
<td>53/64&quot;</td>
<td>19/64&quot;</td>
<td>0.540&quot;</td>
<td>9/16&quot;</td>
</tr>
</tbody>
</table>

### Description
A fastener that has external threads at one end and a nipple-style connection at the opposite end. The nipple consists of an opening in which a small captive ball bearing maintains its location flush with the surface of the fitting by the force supplied by a retaining spring within the fitting.

### Applications / Advantages
Used on mining, agricultural and industrial equipment when regularly scheduled lubrication maintenance is required to extend lifespan of machinery. These fittings are recommended where heavy lubricants are used.

### Material
Carbon Steel

### Case Depth
0.13 - 0.23 mm

### Case Hardness
Rockwell 15N 83 minimum

### Plating
Parts are supplied RoHS zinc finish.