Earl’s Perform-O-Flex stainless braided hose is the same premium quality hose used by the top racing teams of every major racing organization around the world. Perform-O-Flex quality hose is demanded because of its unique combination of professional appearance, extreme flexibility and unexcelled reliability under even the most stringent racing conditions.

If you’re going to pay for top quality, demand it. Settle for nothing less than Earl’s Perform-O-Flex hose and Swivel Seal hose ends.

**Partial Coverage Inner Braid** is woven between the inner liner and a second layer of high temperature synthetic rubber. The timing of the braiding and the curing of the rubber during construction are the key to achieving the desired flexibility and mechanical bond between the braiding layers. Beware of cheaper hoses that do not have this critical mechanical bond.

**The Inner Liner Constructed from Tempereal Synthetic Rubber**

*Tube is clean and fast flowing. Provides constant flow at operating temperatures from -40° to +300°F.*

**Full Coverage Outer Braid of High Tensile Stainless Steel** provides maximum pressure capabilities, while maintaining the beauty and flexibility that is responsible for the popularity of Perform-O-Flex hose.

**ALL HOSE SOLD BY THE FOOT. INQUIRE FOR BULK DISCOUNTS!**

### Perform-O-Flex Hose Specifications

<table>
<thead>
<tr>
<th>SIZE</th>
<th>I.D.</th>
<th>O.D.</th>
<th>PART NO.</th>
<th>MIN. BEND RADIUS</th>
<th>RECOMMENDED APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>7/32&quot;</td>
<td>7/16&quot;</td>
<td>12 000004</td>
<td>2.0&quot;</td>
<td>Small oil and fuel lines, pressure gauges, vacuum lines Carburator, fuel and oil lines</td>
</tr>
<tr>
<td>6</td>
<td>11/32&quot;</td>
<td>35/64&quot;</td>
<td>12 000006</td>
<td>2.5&quot;</td>
<td>Water, fuel and oil lines (racing) Oil and fuel lines, heater hoses</td>
</tr>
<tr>
<td>8</td>
<td>7/16&quot;</td>
<td>41/64&quot;</td>
<td>12 000008</td>
<td>3.5&quot;</td>
<td>Water, fuel and oil lines, heater hoses</td>
</tr>
<tr>
<td>10</td>
<td>9/16&quot;</td>
<td>51/64&quot;</td>
<td>12 000010</td>
<td>4.0&quot;</td>
<td>Water, fuel and oil lines, heater hoses</td>
</tr>
<tr>
<td>12</td>
<td>11/16&quot;</td>
<td>15/32&quot;</td>
<td>12 000012</td>
<td>4.5&quot;</td>
<td>Water, dry sump and fuel lines, heater hoses</td>
</tr>
<tr>
<td>16</td>
<td>7/8&quot;</td>
<td>1-5/32&quot;</td>
<td>12 000016</td>
<td>5.5&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**APPLICATION:** Medium pressure hydraulic systems, flexible brake and clutch lines. Also used for instrument lines where extreme protection is necessary.

**CONTINUOUS OPERATING TEMPERATURE RANGE:** -65° TO + 450°F

Widely accepted in all forms of racing as the ONLY hose to use for the flexible brake and clutch lines on racing cars and motorcycles. The stiffness of the Teflon liner, combined with the resistance of the stainless steel braided outer cover, dramatically reduces brake line expansion under pressure resulting in a much firmer and more controlled brake pedal. The improved abrasion and heat resistance are secondary – but nice. Beware of imitations which offer good pressure capacity without the resistance to expansion designed into ES 600 Fluor-O-Flex™ Hose.

**Auto-Crimp Installation Wheel**

Originally intended for OEM and speed shop accounts, this simple tool allows field assembly of AUTO-CRIMP hose ends with Earl’s anodized aluminum crimping sleeves. The result is an economical and extremely lightweight permanent assembly. The AUTO-CRIMP installation tool can also be used to crimp the sleeves on Super Stock hose ends to increase the integrity of the connection. Wheel is used with Imperial Eastman TC 1000.

**NOTE:** Super Stock hose is special order. Please call for price & delivery.
We can supply all Earl’s products—please inquire if what you need is not shown here.

Earl’s newest hose fitting design provides the look and reliability of our Swivel-Seal™ hose ends, and are easier to use and less expensive. The seal is created at points “A” and “B”. Other single nipple designs actually use the threads to create a seal, forming a path for potential seepage.

Before you buy a fitting that merely ‘looks good’—check the pressure ratings on the chart below and you’ll see that Earl’s Auto-Fit™ hose ends are ‘up to the task’ of any performance application.

Remember — High Pressure Capabilities = Greater Reliability!

### Auto-Fit™ Hose Ends

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Hose End Size</th>
<th>Use Hose Size</th>
<th>Adapter Size</th>
<th>Max. Operating Pressure PSI*</th>
<th>Recommended Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 400104 (steel)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 300104</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 300106</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>1500</td>
<td>Fuel lines</td>
</tr>
<tr>
<td>12 300108</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>1500</td>
<td>Fuel, remote oil filter lines</td>
</tr>
<tr>
<td>12 300110</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>1250</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 300112</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>1000</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 300116</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>750</td>
<td>Dry sump &amp; water lines</td>
</tr>
<tr>
<td>12 300120</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>500</td>
<td>Water lines</td>
</tr>
<tr>
<td>12 404604 (steel)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 304604</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 304606</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>1500</td>
<td>Fuel lines</td>
</tr>
<tr>
<td>12 304608</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>1500</td>
<td>Fuel, remote oil filter lines</td>
</tr>
<tr>
<td>12 304610</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>1250</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 304612</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>1000</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 304616</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>750</td>
<td>Dry sump &amp; water lines</td>
</tr>
<tr>
<td>12 304620</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>500</td>
<td>Water lines</td>
</tr>
<tr>
<td>12 409104 (steel)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 309104</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 309106</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>1500</td>
<td>Fuel lines</td>
</tr>
<tr>
<td>12 309108</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>1500</td>
<td>Fuel, remote oil filter lines</td>
</tr>
<tr>
<td>12 309110</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>1250</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 309112</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>1000</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 309116</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>750</td>
<td>Dry sump &amp; water lines</td>
</tr>
<tr>
<td>12 309120</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>500</td>
<td>Water lines</td>
</tr>
<tr>
<td>12 412004 (steel)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 312004</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines</td>
</tr>
<tr>
<td>12 312006</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>1500</td>
<td>Fuel, remote oil filter lines</td>
</tr>
<tr>
<td>12 312008</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>1500</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 312010</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>1250</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 312012</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>1000</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 418004 (steel)</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines, fuel &amp; oil pressure gauges</td>
</tr>
<tr>
<td>12 318004</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>1500</td>
<td>Fuel lines</td>
</tr>
<tr>
<td>12 318006</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>1500</td>
<td>Fuel, remote oil filter lines</td>
</tr>
<tr>
<td>12 318008</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>1500</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 318010</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>1250</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
<tr>
<td>12 318012</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>1000</td>
<td>Dry sump, remote oil filter lines</td>
</tr>
</tbody>
</table>

*When used with Perform-O-Flex Hose

www.essexparts.com  ¦  Phone 770-889-4096  ¦  Fax 800-335-7223 or 770-889-5256
### Swivel-Seal™ Hose Ends

Swivel-Seal™ hose ends are stocked in all popular sizes. These are the finest quality hoses available.

**Straight**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 800106</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 800108</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 800110</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 800112</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>12 800116</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

**Forged**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 804506</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 804508</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 804510</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 804512</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**90° Bent Tube**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 809006</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 809008</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 809010</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 809012</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**120° Bent Tube**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 809006</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 809008</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 809010</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 809012</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**150° Bent Tube**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 809006</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 809008</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 809010</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 809012</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

**180° Bent Tube**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>HOSE END SIZE</th>
<th>USE HOSE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 809006</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>12 809008</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>12 809010</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>12 809012</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

### Male Pipe Threads

<table>
<thead>
<tr>
<th>MALE THREAD SIZE</th>
<th>USE HOSE SIZE</th>
<th>STRAIGHT PART NO.</th>
<th>45° PART NO.</th>
<th>90° PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8NPT</td>
<td>6</td>
<td>12 820162</td>
<td>12 824562</td>
<td>12 829062</td>
</tr>
<tr>
<td>1/4NPT</td>
<td>6</td>
<td>12 820106</td>
<td>12 824506</td>
<td>12 829006</td>
</tr>
<tr>
<td>3/8 NPT</td>
<td>6</td>
<td>12 820166</td>
<td>12 824565</td>
<td>12 829066</td>
</tr>
<tr>
<td>1/4 NPT</td>
<td>8</td>
<td>12 820107</td>
<td>12 824507</td>
<td>12 829007</td>
</tr>
<tr>
<td>3/8 NPT</td>
<td>8</td>
<td>12 820108</td>
<td>12 824508</td>
<td>12 829008</td>
</tr>
<tr>
<td>1/2 NPT</td>
<td>8</td>
<td>12 820188</td>
<td>12 824588</td>
<td>12 829088</td>
</tr>
<tr>
<td>3/8 NPT</td>
<td>10</td>
<td>12 820111</td>
<td>12 824511</td>
<td>12 829011</td>
</tr>
<tr>
<td>1/2 NPT</td>
<td>10</td>
<td>12 820110</td>
<td>12 824510</td>
<td>12 829010</td>
</tr>
<tr>
<td>3/4 NPT</td>
<td>12</td>
<td>12 820113</td>
<td>12 824513</td>
<td>12 829013</td>
</tr>
<tr>
<td>3/4 NPT</td>
<td>12</td>
<td>12 820112</td>
<td>12 824512</td>
<td>12 829012</td>
</tr>
</tbody>
</table>

**Swivel-Seal™ Hose Ends**

Swivel-Seal™ hose ends are stocked in all popular sizes. These are the finest quality hoses available.
Swivel-Seal™ Hose Ends

**MALE AN THREADS**

<table>
<thead>
<tr>
<th>MALE THREAD SIZE</th>
<th>USE HOSE SIZE</th>
<th>STRAIGHT PART NO.</th>
<th>45° PART NO.</th>
<th>90° PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/16-20 AN</td>
<td>6</td>
<td>N.A.</td>
<td>12 844564</td>
<td>12 849064</td>
</tr>
<tr>
<td>1/2-020 AN</td>
<td>6</td>
<td>N.A.</td>
<td>12 844565</td>
<td>12 849065</td>
</tr>
<tr>
<td>9/16-18 AN</td>
<td>6</td>
<td>12 840106</td>
<td>12 844506</td>
<td>12 849006</td>
</tr>
<tr>
<td>3/4-16 AN</td>
<td>6</td>
<td>N.A.</td>
<td>12 844568</td>
<td>12 849068</td>
</tr>
<tr>
<td>9/160-18 AN</td>
<td>8</td>
<td>N.A.</td>
<td>12 844586</td>
<td>12 849086</td>
</tr>
<tr>
<td>3/4-16 AN</td>
<td>8</td>
<td>12 840108</td>
<td>12 844508</td>
<td>12 849008</td>
</tr>
<tr>
<td>7/8-14 AN</td>
<td>8</td>
<td>N.A.</td>
<td>12 844581</td>
<td>12 849081</td>
</tr>
<tr>
<td>3/4-16 AN</td>
<td>10</td>
<td>N.A.</td>
<td>12 844509</td>
<td>12 849009</td>
</tr>
<tr>
<td>7/8-14 AN</td>
<td>10</td>
<td>12 840110</td>
<td>12 844510</td>
<td>12 849010</td>
</tr>
<tr>
<td>11/16-12 AN</td>
<td>10</td>
<td>N.A.</td>
<td>12 844511</td>
<td>12 849011</td>
</tr>
<tr>
<td>7/8-14 AN</td>
<td>12</td>
<td>N.A.</td>
<td>12 844513</td>
<td>12 849013</td>
</tr>
<tr>
<td>11/16-12 AN</td>
<td>12</td>
<td>12 840112</td>
<td>12 844512</td>
<td>12 849012</td>
</tr>
</tbody>
</table>

**SPECIAL PURPOSE**

<table>
<thead>
<tr>
<th>MALE THREAD SIZE</th>
<th>USE HOSE SIZE</th>
<th>COMMON USAGE</th>
<th>45° PART NO.</th>
<th>90° PART NO.</th>
<th>TEE PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12mm x 1.25</td>
<td>6</td>
<td>Dellorto, Solex, Mukuni</td>
<td>12 844591</td>
<td>12 849091</td>
<td>12 849391</td>
</tr>
<tr>
<td>12mm x 1.50</td>
<td>6</td>
<td>Weber</td>
<td>12 844592</td>
<td>12 849092</td>
<td>12 849392</td>
</tr>
<tr>
<td>1/2-20</td>
<td>6</td>
<td>Fuel pump</td>
<td>12 844595</td>
<td>12 849095</td>
<td>12 849395</td>
</tr>
<tr>
<td>5/8-18</td>
<td>6</td>
<td>Fuel pump</td>
<td>12 844596</td>
<td>12 849096</td>
<td>12 849396</td>
</tr>
<tr>
<td>9/16-24</td>
<td>6</td>
<td>Holley small inlet</td>
<td>12 844594</td>
<td>12 849094</td>
<td>12 849394</td>
</tr>
<tr>
<td>7/8-20</td>
<td>6</td>
<td>Holley large inlet</td>
<td>12 844593</td>
<td>12 849093</td>
<td>12 849393</td>
</tr>
</tbody>
</table>

**Super Stock Hose Ends**

<table>
<thead>
<tr>
<th>HOSE SIZE</th>
<th>HOSE I.D.</th>
<th>FITTING SIZE</th>
<th>STRAIGHT PART NO.</th>
<th>45° PART NO.</th>
<th>90° PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1/4&quot;</td>
<td>4</td>
<td>12 700145</td>
<td>12 709145</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>3/8&quot;</td>
<td>6</td>
<td>12 700167</td>
<td>12 709167</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1/2&quot;</td>
<td>8</td>
<td>12 700109</td>
<td>12 709109</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>5/8&quot;</td>
<td>10</td>
<td>12 700111</td>
<td>12 709111</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>3/4&quot;</td>
<td>12</td>
<td>12 700113</td>
<td>12 709113</td>
<td></td>
</tr>
</tbody>
</table>
**Speed-Seal™ Hose Ends**

**REUSABLE HIGH PRESSURE HOSE ENDS**

**CONSTRUCTION:** Specifically designed for use with Speed-Flex™ hose only, forming a positive leak resistant seal. Do not attempt to use fittings designed for use with other types of hose on Speed-Flex™.

**APPLICATIONS:** Flexible brake and clutch lines and instrument lines where extreme protection is needed or desired.

### ESSEX PART NO. | HOSE END SIZE | HOSE SIZE | DESCRIPTION
|-----------------|--------------|-----------|-----------------
| 12 600103      | 3            | 3         | 45° forging      |
| 12 600104      | 4            | 4         | 45° forging      |
| 12 600143      | 4            | 3         | 45° bending tube |

### ESSEX PART NO. | HOSE END SIZE | THREAD SIZE
|-----------------|--------------|-----------------
| 12 640103      | 3            | 3/8-24 male     |
| 12 640203      | 3            | 3/4-24 bulkhead male |
| 12 640303      | 3            | 10mm x 1.0 male |
| 12 640403      | 3            | 10mm x 1.25 male |
| 12 640503      | 3            | 3/8-24 female I.F. |
| 12 640603      | 3            | 10mm x 1.0 female I.F. |
| 12 640703      | 3            | 10mm x 1.25 female I.F. |

### ESSEX PART NO. | HOSE END SIZE | DESCRIPTION
|-----------------|--------------|-----------------
| 12 609003      | 3            | 90° forging      |
| 12 609004      | 4            | 90° forging      |
| 12 609103      | 3            | 90° bending tube |
| 12 609104      | 4            | 90° bending tube |
| 12 612003      | 3            | 120° bending tube |
| 12 612004      | 4            | 120° bending tube |
| 12 618003      | 3            | 180° bending tube |
| 12 618004      | 4            | 180° bending tube |

### ESSEX PART NO. | HOSE END SIZE | HOSE SIZE | BANJO BOLT SIZE | LENGTH
|-----------------|--------------|-----------|----------------|-----------------
| 12 600303      | 3            | 10mm or 3/8 | Short          |
| 12 600703      | 3            | 10mm or 3/8 | Long           |
| 12 600803      | 3            | 10mm or 3/8 | Long–bent tube |

### Econ-O-Fit™ Hose Clamps

### ECON-O-FIT SIZE | INNER DIAMETER | PART NO. RED | PART NO. BLUE | FITS ECON-O-BRAID or PERFORM-O-FLEX & AUTO-FLEX HOSE SIZE
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1/2&quot;</td>
<td>12 900104</td>
<td>12 900105</td>
<td>4 or 5</td>
</tr>
<tr>
<td>6</td>
<td>5/8&quot;</td>
<td>12 900106</td>
<td>12 900107</td>
<td>6</td>
</tr>
<tr>
<td>8</td>
<td>11/16&quot;</td>
<td>12 900108</td>
<td>12 900109</td>
<td>7 or 8</td>
</tr>
<tr>
<td>10</td>
<td>7/8&quot;</td>
<td>12 900110</td>
<td>12 900111</td>
<td>10</td>
</tr>
<tr>
<td>12</td>
<td>1&quot;</td>
<td>12 900112</td>
<td>12 900113</td>
<td>12</td>
</tr>
<tr>
<td>14</td>
<td>1-1/8&quot;</td>
<td>12 900114</td>
<td>12 900115</td>
<td>12 or 14</td>
</tr>
<tr>
<td>16</td>
<td>1-3/16&quot;</td>
<td>12 900116</td>
<td>12 900122</td>
<td>16</td>
</tr>
</tbody>
</table>

We can supply all Earl's products—please inquire if what you need is not shown here.
### PRESSURE TEST KITS
Earl’s Assembly Lube

- New patented EZ (ROLLER) BEADER is a fresh approach to an old problem.
- Compact enough to be used on already installed tubing. Produces a property positioned/perfectly radiused bead on aluminum tubing with wall thicknesses from .035” to .065”.

### QUICK DISCONNECT FITTINGS
Instant disconnect and reconnect of fuel, lubricant, and hydraulic lines with virtually no spillage. Buna seals are compatible with most fuels and lubricants. Flow restriction is minimal. For higher temperatures and more severe applications, we offer aluminum QDV’s with Viton seals.

### AN901 ALUMINUM CRUSH WASHERS
SEAL HYDRAULIC FITTINGS

### COPPER WASHERS

### STAT-O-SEALS
Rubber bonded sealing washer.

### BUNA N O-RING SEALS

### ALUMINUM TUBING
Annealed aluminum tubing is easily hand formed to virtually any requirement. Can be used with Earl’s Tube-Mate Auto-Fit hose ends. Can be flared and used with Earl’s 5818 tube nut and 5819 tube sleeve or an adapter can be welded onto the end(s) of the tube, or ends can be beaded and used with Earl’s Econ-O-Fit hose ends or with standard hose clamps. For clamping hose, tubing should be beaded. Unanodized.

### SCREEN TYPE IN-LINE FUEL & OIL FILTERS
For use as “pre” filters for fuel and oil systems. Easily disassembled for inspection and cleaning. Blue anodized.

### IN-LINE FUEL FILTERS
In-line 35 micron sintered bronze element fuel filter. Easily disassembled for inspection and cleaning. Available with size 6 or 8 AN, or hose Barb end fittings for use with Earl’s high performance fuel line and fittings. Red anodized finish. Blue anodized.

### CHECK VALVES
(One-Way or Non-Return Valves) Earl’s has redesigned the valves with modern elastomers which are not affected by most fuels and lubricants.

### SHUT-OFF VALVE
Ideal for use as (1) emergency fuel shut-off valve, (2) antithet device, (3) drain valve. 350 PSI max.

### EARL’S EZ-BEADER™ TUBING BEADER
New patented EZ (ROLLER) BEADER is a fresh approach to an old problem. Compact enough to be used on already installed tubing. Produces a property positioned/perfectly radiused bead on aluminum tubing with wall thicknesses from .035” to .065”.

### PRESSURE TEST KITS
Every hose assembly should be pressure tested prior to installation. Kit consists of fitting with air valve in each size and matching plugs. Covers sizes 3 through 16.

---

**AN901 ALUMINUM CRUSH WASHERS**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 177003</td>
<td>-3, pkg. of 10</td>
</tr>
<tr>
<td>12 177004</td>
<td>-4, pkg. of 10</td>
</tr>
<tr>
<td>12 177005</td>
<td>-5, pkg. of 10</td>
</tr>
<tr>
<td>12 177006</td>
<td>-6, pkg. of 10</td>
</tr>
<tr>
<td>12 177007</td>
<td>-8, pkg. of 5</td>
</tr>
<tr>
<td>12 177010</td>
<td>-10, pkg. of 5</td>
</tr>
<tr>
<td>12 177012</td>
<td>-12, pkg. of 5</td>
</tr>
<tr>
<td>12 177016</td>
<td>-16, pkg. of 2</td>
</tr>
</tbody>
</table>

**COPPER WASHERS**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 02011</td>
<td>-3</td>
</tr>
</tbody>
</table>

**STAT-O-SEALS**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 178003</td>
<td>-3, pkg. of 10</td>
</tr>
<tr>
<td>12 178004</td>
<td>-4, pkg. of 10</td>
</tr>
<tr>
<td>12 178006</td>
<td>-6, pkg. of 10</td>
</tr>
<tr>
<td>12 178008</td>
<td>-8, pkg. of 2</td>
</tr>
<tr>
<td>12 178010</td>
<td>-10, pkg. of 2</td>
</tr>
<tr>
<td>12 178012</td>
<td>-12, pkg. of 2</td>
</tr>
<tr>
<td>12 178014</td>
<td>-14, pkg. of 2</td>
</tr>
</tbody>
</table>

**BUNA N O-RING SEALS**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 176003</td>
<td>-3, pkg. of 10</td>
</tr>
<tr>
<td>12 176004</td>
<td>-4, pkg. of 10</td>
</tr>
<tr>
<td>12 176006</td>
<td>-6, pkg. of 10</td>
</tr>
<tr>
<td>12 176008</td>
<td>-8, pkg. of 10</td>
</tr>
<tr>
<td>12 176010</td>
<td>-10, pkg. of 10</td>
</tr>
<tr>
<td>12 176012</td>
<td>-12, pkg. of 10</td>
</tr>
<tr>
<td>12 176016</td>
<td>-16, pkg. of 10</td>
</tr>
</tbody>
</table>

**Hose Clamps**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>PKG</th>
<th>I.D.</th>
<th>I.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 174002</td>
<td>4</td>
<td>.219</td>
<td>.625</td>
</tr>
<tr>
<td>12 174003</td>
<td>4</td>
<td>.375</td>
<td>.875</td>
</tr>
<tr>
<td>12 174004</td>
<td>4</td>
<td>.500</td>
<td>1.250</td>
</tr>
<tr>
<td>12 174005</td>
<td>4</td>
<td>.500</td>
<td>1.500</td>
</tr>
<tr>
<td>12 174006</td>
<td>4</td>
<td>.500</td>
<td>1.750</td>
</tr>
<tr>
<td>12 174008</td>
<td>4</td>
<td>.750</td>
<td>2.500</td>
</tr>
</tbody>
</table>

**TEFLON TAPE**

<table>
<thead>
<tr>
<th>ESSEX PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 175002</td>
<td>1/2” x 500”</td>
</tr>
</tbody>
</table>

**FUEL FILTER**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>OIL FILTER PART NO.</th>
<th>SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 230204</td>
<td>12 230304</td>
<td>4</td>
</tr>
<tr>
<td>12 230206</td>
<td>12 230306</td>
<td>6</td>
</tr>
<tr>
<td>12 230208</td>
<td>12 230308</td>
<td>8</td>
</tr>
<tr>
<td>12 230210</td>
<td>12 230310</td>
<td>10</td>
</tr>
<tr>
<td>12 230212</td>
<td>12 230312</td>
<td>12</td>
</tr>
<tr>
<td>12 230216</td>
<td>12 230316</td>
<td>16</td>
</tr>
</tbody>
</table>

**IN-LINE FUEL FILTERS**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 230103</td>
<td>BARB 5/16”-3/8”</td>
</tr>
<tr>
<td>12 230106</td>
<td>6 AN male</td>
</tr>
<tr>
<td>12 230108</td>
<td>8 AN male</td>
</tr>
<tr>
<td>12 230107</td>
<td>Element only</td>
</tr>
</tbody>
</table>

**ALUMINUM TUBING**

**ASSEMBLY LUBE**

Earl’s Assembly Lube eases the installation of hose ends. 8 oz. bottle.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>O.D.</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 100031</td>
<td>1/4</td>
<td>10’</td>
</tr>
<tr>
<td>12 100034</td>
<td>3/8</td>
<td>10’</td>
</tr>
<tr>
<td>12 100037</td>
<td>1/2</td>
<td>10’</td>
</tr>
</tbody>
</table>

**SHUT-OFF VALVE**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>INLET THREAD SIZE</th>
<th>OUTLET THREAD SIZE</th>
<th>OVERALL BODY LENGTH</th>
<th>MATERIAL OF BODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 230501</td>
<td>3/8 fem. NPT</td>
<td>3/8 fem. NPT</td>
<td>1-3/4&quot;</td>
<td>Chrome plated brass</td>
</tr>
<tr>
<td>12 230502</td>
<td>3/8 fem. NPT</td>
<td>-6 AN bulkhead</td>
<td>2-3/4&quot;</td>
<td>Red anodized alum.</td>
</tr>
<tr>
<td>12 230504</td>
<td>1/2 fem. NPT</td>
<td>-1/2 fem. NPT</td>
<td>2-1/4&quot;</td>
<td>Chrome plated brass</td>
</tr>
</tbody>
</table>

**QUICK DISCONNECT FITTINGS**

**CHECK VALVES**

(One-Way or Non-Return Valves) Earl’s has redesigned the valves with modern elastomers which are not affected by most fuels and lubricants.

**EARL’S EZ-BEADER™ TUBING BEADER**

New patented EZ (ROLLER) BEADER is a fresh approach to an old problem. Compact enough to be used on already installed tubing. Produces a property positioned/perfectly radiused bead on aluminum tubing with wall thicknesses from .035” to .065”.

**PRESSURE TEST KITS**

Every hose assembly should be pressure tested prior to installation. Kit consists of fitting with air valve in each size and matching plugs. Covers sizes 3 through 16.

---

www.essexparts.com ˇ Phone 770-889-4096 ˇ Fax 800-335-7223 or 770-889-5256
# Earl's Fittings & Hoses

We can supply all Earl's products—please inquire if what you need is not shown here.

## Aluminum Adapter Fittings

### PIPE THREAD TO A.N. ADAPTERS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
<th>PIPE THD. SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 981903</td>
<td>3</td>
<td>1/8</td>
</tr>
<tr>
<td>12 981904</td>
<td>4</td>
<td>1/8</td>
</tr>
<tr>
<td>12 981904</td>
<td>4</td>
<td>1/4</td>
</tr>
<tr>
<td>12 981907</td>
<td>6</td>
<td>1/8</td>
</tr>
<tr>
<td>12 981907</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>12 981908</td>
<td>8</td>
<td>1/8</td>
</tr>
<tr>
<td>12 981908</td>
<td>8</td>
<td>1/2</td>
</tr>
<tr>
<td>12 981909</td>
<td>10</td>
<td>1/2</td>
</tr>
<tr>
<td>12 981909</td>
<td>10</td>
<td>3/4</td>
</tr>
<tr>
<td>12 981910</td>
<td>12</td>
<td>1/2</td>
</tr>
<tr>
<td>12 981910</td>
<td>12</td>
<td>3/4</td>
</tr>
<tr>
<td>12 981912</td>
<td>16</td>
<td>3/4</td>
</tr>
<tr>
<td>12 981916</td>
<td>16</td>
<td>1</td>
</tr>
<tr>
<td>12 982120</td>
<td>20</td>
<td>1-1/4</td>
</tr>
</tbody>
</table>

### AN TO AN ADAPTERS

#### Straight

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 981503</td>
<td>3</td>
</tr>
<tr>
<td>12 981504</td>
<td>4</td>
</tr>
<tr>
<td>12 981505</td>
<td>6</td>
</tr>
<tr>
<td>12 981506</td>
<td>8</td>
</tr>
<tr>
<td>12 981510</td>
<td>10</td>
</tr>
<tr>
<td>12 981512</td>
<td>12</td>
</tr>
<tr>
<td>12 981516</td>
<td>16</td>
</tr>
</tbody>
</table>

#### Union—Male

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 981503</td>
<td>3</td>
</tr>
<tr>
<td>12 981504</td>
<td>4</td>
</tr>
<tr>
<td>12 981505</td>
<td>6</td>
</tr>
<tr>
<td>12 981506</td>
<td>8</td>
</tr>
<tr>
<td>12 981510</td>
<td>10</td>
</tr>
<tr>
<td>12 981512</td>
<td>12</td>
</tr>
<tr>
<td>12 981516</td>
<td>16</td>
</tr>
</tbody>
</table>

#### Union—Reducer

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>LARGE FITTING SIZE</th>
<th>SMALL FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 991902</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>12 991903</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>12 991906</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>12 991907</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>12 991912</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>12 991914</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>12 991915</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>12 991918</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>12 991919</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>12 991920</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>12 991922</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>12 991923</td>
<td>16</td>
<td>12</td>
</tr>
</tbody>
</table>

#### 90° Elbow

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
<th>PIPE THD. SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 982203</td>
<td>3</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982204</td>
<td>4</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982207</td>
<td>4</td>
<td>1/4</td>
</tr>
<tr>
<td>12 982206</td>
<td>6</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982206</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>12 982208</td>
<td>8</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982208</td>
<td>8</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982211</td>
<td>10</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982210</td>
<td>10</td>
<td>3/4</td>
</tr>
<tr>
<td>12 982209</td>
<td>12</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982212</td>
<td>12</td>
<td>3/4</td>
</tr>
<tr>
<td>12 982215</td>
<td>16</td>
<td>3/4</td>
</tr>
<tr>
<td>12 982216</td>
<td>16</td>
<td>1</td>
</tr>
</tbody>
</table>

#### 45° Elbow

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
<th>PIPE THD. SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 982303</td>
<td>3</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982304</td>
<td>4</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982304</td>
<td>4</td>
<td>1/4</td>
</tr>
<tr>
<td>12 982306</td>
<td>6</td>
<td>1/8</td>
</tr>
<tr>
<td>12 982306</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>12 982306</td>
<td>6</td>
<td>3/8</td>
</tr>
<tr>
<td>12 982308</td>
<td>8</td>
<td>3/8</td>
</tr>
<tr>
<td>12 982308</td>
<td>8</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982311</td>
<td>10</td>
<td>3/8</td>
</tr>
<tr>
<td>12 982310</td>
<td>10</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982309</td>
<td>10</td>
<td>3/4</td>
</tr>
<tr>
<td>12 982313</td>
<td>12</td>
<td>1/2</td>
</tr>
<tr>
<td>12 982312</td>
<td>12</td>
<td>3/4</td>
</tr>
<tr>
<td>12 982316</td>
<td>16</td>
<td>1</td>
</tr>
</tbody>
</table>

### AN Cap

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>QTY PER PKG</th>
<th>FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 592903</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>12 592904</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>12 592906</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>12 992908</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>12 992910</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>12 992912</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>12 992916</td>
<td>1</td>
<td>16</td>
</tr>
</tbody>
</table>

### AN Plug

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>QTY PER PKG</th>
<th>FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 586003</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>12 586004</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>12 586006</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>12 986008</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>12 986010</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>12 986012</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>12 986016</td>
<td>1</td>
<td>16</td>
</tr>
</tbody>
</table>

### ALUMINUM WELD FITTINGS

#### Male AN

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>AN THREAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 997106</td>
<td>6</td>
</tr>
<tr>
<td>12 997108</td>
<td>8</td>
</tr>
<tr>
<td>12 997110</td>
<td>10</td>
</tr>
<tr>
<td>12 997112</td>
<td>12</td>
</tr>
<tr>
<td>12 997116</td>
<td>16</td>
</tr>
<tr>
<td>12 997120</td>
<td>20</td>
</tr>
<tr>
<td>12 997124</td>
<td>24</td>
</tr>
</tbody>
</table>

#### Female AN

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>AN THREAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 987104</td>
<td>4</td>
</tr>
<tr>
<td>12 987106</td>
<td>6</td>
</tr>
<tr>
<td>12 987108</td>
<td>8</td>
</tr>
<tr>
<td>12 987110</td>
<td>10</td>
</tr>
<tr>
<td>12 987112</td>
<td>12</td>
</tr>
<tr>
<td>12 987116</td>
<td>16</td>
</tr>
</tbody>
</table>

### SPECIAL PURPOSE ADAPTERS

#### AN Port Adapter

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>AN SIZE</th>
<th>PORT THREAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 985064</td>
<td>-6</td>
<td>7/16-20</td>
</tr>
<tr>
<td>12 985065</td>
<td>-6</td>
<td>1/2-20</td>
</tr>
<tr>
<td>12 985066</td>
<td>-6</td>
<td>9/16-16</td>
</tr>
<tr>
<td>12 985068</td>
<td>-6</td>
<td>3/8-16</td>
</tr>
<tr>
<td>12 985086</td>
<td>-8</td>
<td>9/16-18</td>
</tr>
<tr>
<td>12 985088</td>
<td>-8</td>
<td>3/4-16</td>
</tr>
<tr>
<td>12 985089</td>
<td>-8</td>
<td>3/4-18</td>
</tr>
<tr>
<td>12 985091</td>
<td>-8</td>
<td>7/8-14</td>
</tr>
<tr>
<td>12 985093</td>
<td>-10</td>
<td>3/4-16</td>
</tr>
<tr>
<td>12 985095</td>
<td>-10</td>
<td>3/4-18</td>
</tr>
<tr>
<td>12 985097</td>
<td>-10</td>
<td>7/8-14</td>
</tr>
<tr>
<td>12 985099</td>
<td>-10</td>
<td>1-1/16-12</td>
</tr>
</tbody>
</table>

#### Flare Reducers

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>MALE AN FITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 992904</td>
<td>6</td>
</tr>
<tr>
<td>12 989206</td>
<td>8</td>
</tr>
<tr>
<td>12 989208</td>
<td>10</td>
</tr>
<tr>
<td>12 989210</td>
<td>12</td>
</tr>
<tr>
<td>12 989212</td>
<td>16</td>
</tr>
</tbody>
</table>

---

**76 www.essexparts.com Phone 770-889-4096 Fax 800-335-7223 or 770-889-5256**
### Steel Adapter Fittings

#### AN TO AN ADAPTERS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 961503</td>
<td>3</td>
</tr>
<tr>
<td>12 961504</td>
<td>4</td>
</tr>
<tr>
<td>12 961506</td>
<td>6</td>
</tr>
<tr>
<td>12 961508</td>
<td>8</td>
</tr>
<tr>
<td>12 961510</td>
<td>10</td>
</tr>
<tr>
<td>12 961512</td>
<td>12</td>
</tr>
</tbody>
</table>

#### PIPE THREAD TO AN ADAPTERS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>FITTING SIZE</th>
<th>THREAD SZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 961003</td>
<td>3</td>
<td>1/8</td>
</tr>
<tr>
<td>12 961004</td>
<td>4</td>
<td>1/8</td>
</tr>
<tr>
<td>12 961444</td>
<td>4</td>
<td>1/4</td>
</tr>
<tr>
<td>12 961446</td>
<td>6</td>
<td>1/4</td>
</tr>
<tr>
<td>12 961448</td>
<td>8</td>
<td>1/4</td>
</tr>
<tr>
<td>12 961310</td>
<td>10</td>
<td>3/8</td>
</tr>
<tr>
<td>12 963312</td>
<td>12</td>
<td>3/4</td>
</tr>
</tbody>
</table>

#### BRAKE & HYDRAULIC ADAPTER FITTINGS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PKG QTY</th>
<th>THREAD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 997603</td>
<td>3</td>
<td>3/8</td>
</tr>
<tr>
<td>12 997604</td>
<td>4</td>
<td>4/4</td>
</tr>
<tr>
<td>12 997631</td>
<td>3</td>
<td>3/8</td>
</tr>
<tr>
<td>12 997634</td>
<td>4</td>
<td>4/4</td>
</tr>
<tr>
<td>12 997641</td>
<td>4</td>
<td>4/4</td>
</tr>
<tr>
<td>12 997643</td>
<td>3</td>
<td>3/8</td>
</tr>
</tbody>
</table>

#### Brake Adapter

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PKG QTY</th>
<th>THREAD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 581531</td>
<td>2</td>
<td>3-AN to 3/8–24 IF* short</td>
</tr>
<tr>
<td>12 581532</td>
<td>2</td>
<td>3-AN to 3/8–24 IF* long</td>
</tr>
<tr>
<td>12 591941</td>
<td>2</td>
<td>4-AN to 7/16–20 IF*</td>
</tr>
<tr>
<td>12 591942</td>
<td>2</td>
<td>4-AN to 7/16–24 IF*</td>
</tr>
<tr>
<td>12 591972</td>
<td>2</td>
<td>4-AN to 3/8–24 IF* short</td>
</tr>
<tr>
<td>12 591982</td>
<td>2</td>
<td>4-AN to 3/8–24 IF* long</td>
</tr>
<tr>
<td>12 591902</td>
<td>2</td>
<td>4-AN to 4 AN</td>
</tr>
<tr>
<td>12 591903</td>
<td>2</td>
<td>4-AN to 4 AN</td>
</tr>
<tr>
<td>12 591910</td>
<td>2</td>
<td>4-AN to 4 AN</td>
</tr>
</tbody>
</table>

#### Tubing Adapter

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PKG QTY</th>
<th>THREAD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 995351</td>
<td>1</td>
<td>3-AN to 3/8–24 female</td>
</tr>
<tr>
<td>12 995343</td>
<td>1</td>
<td>3-AN to 3/8–24 female</td>
</tr>
<tr>
<td>12 995344</td>
<td>1</td>
<td>3-AN to 10mmx1.0</td>
</tr>
<tr>
<td>12 995345</td>
<td>1</td>
<td>3-AN to 10mmx1.25</td>
</tr>
<tr>
<td>12 995366</td>
<td>1</td>
<td>3-AN to 10mmx1.25</td>
</tr>
<tr>
<td>12 995332</td>
<td>1</td>
<td>4-AN to 3/8–24 female</td>
</tr>
<tr>
<td>12 995411</td>
<td>1</td>
<td>4-AN to 3/8–24 female</td>
</tr>
<tr>
<td>12 995412</td>
<td>1</td>
<td>4-AN to 10mmx1.0</td>
</tr>
<tr>
<td>12 995446</td>
<td>1</td>
<td>4-AN to 10mmx1.0</td>
</tr>
<tr>
<td>12 995474</td>
<td>1</td>
<td>4-AN to 10mmx1.25</td>
</tr>
<tr>
<td>12 995377</td>
<td>1</td>
<td>3-AN to 10mmx1.0 IF*</td>
</tr>
<tr>
<td>12 995388</td>
<td>1</td>
<td>3-AN to 10mmx1.0 IF*</td>
</tr>
<tr>
<td>12 995394</td>
<td>1</td>
<td>4-AN to 7/16–24 IF*</td>
</tr>
<tr>
<td>12 995900</td>
<td>1</td>
<td>3-AN to 7/16–24 IF*</td>
</tr>
</tbody>
</table>

#### Banjo Bolt (includes 2 crush washers)

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>PKG QTY</th>
<th>THREAD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 977503</td>
<td>3</td>
<td>3/8–24 single</td>
</tr>
<tr>
<td>12 977504</td>
<td>4</td>
<td>7/16–20 single</td>
</tr>
<tr>
<td>12 977513</td>
<td>3</td>
<td>3/8–24 double for 2 banjos</td>
</tr>
<tr>
<td>12 977514</td>
<td>4</td>
<td>7/16–20 double for 2 banjos</td>
</tr>
<tr>
<td>12 977515</td>
<td>4</td>
<td>10mmx1.25 double</td>
</tr>
<tr>
<td>12 977516</td>
<td>4</td>
<td>3/8–24 inverted flare</td>
</tr>
<tr>
<td>12 977517</td>
<td>4</td>
<td>10mmx1.0 single</td>
</tr>
<tr>
<td>12 977518</td>
<td>4</td>
<td>10mmx1.25 double</td>
</tr>
<tr>
<td>12 977519</td>
<td>4</td>
<td>10mmx1.0 double</td>
</tr>
<tr>
<td>12 977520</td>
<td>4</td>
<td>10mmx1.50 single</td>
</tr>
<tr>
<td>12 977521</td>
<td>4</td>
<td>1/8 NPT male</td>
</tr>
<tr>
<td>12 977522</td>
<td>4</td>
<td>7/16–24 single</td>
</tr>
</tbody>
</table>

*Inverted Flare*

---

We can supply all Earl's products—please inquire if what you need is not shown here.
"AN" (Army-Navy) sizes, were established by the Aerospace Industry years ago and were established according to the metal tube that they are used with. Chart A will clarify this point. A sharp eye will note that the numbers assigned equate to the O.D. (outer diameters) of the tubing in 1/16 of an inch. Since tubing and hoses are to be found with assorted wall thicknesses we can now understand that the designated size number does not necessarily tell you how large the inside diameter will be. (For example, the inside diameter of an Earl's size 6 hose end is nearly as large as the inside diameter of some other manufacturer's –8 hose ends.)

Each AN size number has its own standard thread size which can be seen in column three of Chart A. Again, these are the same thread sizes that have been used in aircraft and industrial applications for many years.

I think we can leave AN thread sizing now and head on to the next category which is N.P.T. (National Pipe Threads). National Pipe Threads are the next most popular thread size used in "Competition Plumbing". Low and behold we can actually find a resemblance between the size call outs and the I.D. (inside diameter) of the fitting as shown in Chart B.

Some of the most popular adapter fittings shown in our catalog are AN to NPT adapters. While many variations are offered, column four in Chart B shows which AN size corresponds to each NPT size when inside diameters (flow dimensions) are considered.

All Earl's Swivel-Seal™ hose ends are designed to provide little or no restriction when used with the corresponding AN fitting size.

We also offer a number of metric and British Standard Pipe threads to AN fitting adapters. These are special purpose pieces, however, and are available only by special request.

<table>
<thead>
<tr>
<th>AN SIZE</th>
<th>METAL TUBE O.D.</th>
<th>THREAD SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1/8</td>
<td>5/16-24 SAE</td>
</tr>
<tr>
<td>3</td>
<td>3/16</td>
<td>3/8-24 SAE</td>
</tr>
<tr>
<td>4</td>
<td>1/4</td>
<td>7/16-20 SAE</td>
</tr>
<tr>
<td>5</td>
<td>5/16</td>
<td>1-2-20 SAE</td>
</tr>
<tr>
<td>6</td>
<td>3/8</td>
<td>9/16-18 SAE</td>
</tr>
<tr>
<td>8</td>
<td>1/2</td>
<td>3-16-14 SAE</td>
</tr>
<tr>
<td>10</td>
<td>5/8</td>
<td>7-14-18 SAE</td>
</tr>
<tr>
<td>12</td>
<td>3/4</td>
<td>1-16-12 SAE</td>
</tr>
<tr>
<td>16</td>
<td>1</td>
<td>1-15-12 SAE</td>
</tr>
<tr>
<td>20</td>
<td>1-1/4</td>
<td>1-5-8-12 SAE</td>
</tr>
<tr>
<td>24</td>
<td>1-1/2</td>
<td>1-7-8-12 SAE</td>
</tr>
<tr>
<td>28</td>
<td>1-3/4</td>
<td>2-14-12 SAE</td>
</tr>
<tr>
<td>32</td>
<td>2</td>
<td>2-12-12 SAE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PIPE THREAD SIZE</th>
<th>THREADS PER INCH</th>
<th>THEORETICAL I.D. OF FITTING</th>
<th>CLOSEST AN FITTING SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/16&quot;</td>
<td>27</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>27</td>
<td>1/8&quot;</td>
<td>4</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>18</td>
<td>1/4&quot;</td>
<td>6</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>18</td>
<td>3/8&quot;</td>
<td>8</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>14</td>
<td>1/2&quot;</td>
<td>10</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>14</td>
<td>3/4&quot;</td>
<td>12</td>
</tr>
<tr>
<td>1&quot;</td>
<td>11-1/2</td>
<td>1&quot;</td>
<td>16</td>
</tr>
<tr>
<td>1-1/4&quot;</td>
<td>11-1/2</td>
<td>1-1/4&quot;</td>
<td>20</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>11-1/2</td>
<td>1-1/2&quot;</td>
<td>24</td>
</tr>
<tr>
<td>2&quot;</td>
<td>11-1/2</td>
<td>2&quot;</td>
<td>32</td>
</tr>
</tbody>
</table>

EARL’S Performance Products offers a larger variety to make your selection from than any other plumbing manufacturer.

**EARL’S LINE:** Size –6 Over 40 Varieties  **BRAND "X":** Size –6 Just 5 Choices  **BRAND "Y":** Size –6 Just 6 Choices

---

**MALE AN THREAD SILHOUETTES (Actual Size)**

**MALE PIPE THREAD SILHOUETTES (Actual Size)**

---

78 www.essexparts.com  Phone 770-889-4096  Fax 800-335-7223 or 770-889-5256