Eaton’s Rynglok tube fitting system is the system of choice for military hydraulic tubing repair. The superior capability of Rynglok tube joints has been successfully demonstrated in over 6000 tests for sealing integrity, flexure fatigue, pressure impulse, burst strength, tensile strength, resistance to torsion, fire and lightning strike conductivity.

Aero Precision is EATON Rynglok’s international military stocking distributor.

- The proven tube fitting performance standard
- The system of choice for military hydraulic tubing repair
- Approved by USAF and all branches of U.S. military

Please contact us for pricing and availability | sales@aeroprecision.com
KEY BENEFITS:

- Approved by all branches of U.S. Military
  - NAVAIR 01-1A-8
  - USAF T.O. 1-1A-8
  - NAVAIR 01-1A-20
- Accommodates all tube all thicknesses
- Capable of joining any combination of tubing materials
- Accommodates tube float up to .40 inches
- All metal 6A1-4V titanium alloy construction
- Zero leakage with no elastomeric seals
- Accomodates -65°F to +450°F without thermal hysteresis effects
- Fitting joint unaffected by long term exposure to high temperature aerospace fluids
- Exceeds tension strength requirements of Boeing BPS-F-142
- Provides torsion strength comparable to that of aerospace tube
- Exceeds flexure requirements of MIL-F-85421 and MIL-F-85720
- Exceeds burst and impulse capability of aerospace tube
- Passes 15 minute fire test with type IIIb low flow rates and vibration per AS1055B
- Patented design provides excellent high current lightning strike capability
- Wide variety of fitting configurations incorporated into U.S. Government distribution system
- National Stock Number cross-reference list available upon request

BEFORE ASSEMBLY

AFTER ASSEMBLY

Patented Design Feature!

Eaton’s patented Rynglok® design makes it possible to exceed lightning strike requirements by conducting high surface currents “spark free”.

The continuous metal contact insures very low electrical resistance which prevents sparking in critical applications such as aircraft fuel tanks.
Basic Part Number Designation

R8 X 1 XX T

- Titanium fitting material (6AL-4V)
- Configuration number (see tube fitting configuration sheet)
- 1 = Standard Repair Fitting
- Connection type:
  - 0 = Permanent, all Rynglok® fitting ends
  - 1 = ArcSeal® (separable) male or female
  - 2 = Flareless (separable) male or female
  - 3 = Flared (separable) male or female
- Rynglok® repair fitting

Example: R81103T
Rynglok® repair fitting, female ArcSeal® (separable) to Rynglok® fitting in the 90° elbow configuration.

How To Order

R8 X X X X T ( ) ( ) ( )

- Port No. 3 (side port) 1,2
- Port No. 2 (right port) 1,2
- Port No. 1 (left port) 1, largest Rynglok® fitting end on the run, if all ends are Rynglok® or any separable end
- Basic Part Number

Example: R80154T100806
Rynglok® repair fitting, reducing tee, all legs permanent.

Example: R81154T080604
Rynglok® repair fitting, reducing tee, with female ArcSeal® separable.

1 Tube size is specified in 1/16" increments, (i.e., 08 = 8/16ths or 1/2")
2 Port 2 and 3 only required for reducer fittings

Note: Port numbering system is in accordance with AIR 1590.
## Rynglok® Tube Fitting Configuration

<table>
<thead>
<tr>
<th></th>
<th>Permanent to Permanent</th>
<th>Permanent to ARCESAl</th>
<th>Permanent to &quot;MS&quot; Flareless</th>
<th>Permanent to &quot;AN&quot; Flareless</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Union</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Reducer</td>
<td>R801 01 T( )</td>
<td>R811 21 T( )</td>
<td>R811 141 T( )</td>
<td>R811 101 T( )</td>
</tr>
<tr>
<td>Reducer</td>
<td>R801 51 T( )</td>
<td>R811 171 T( )</td>
<td>R811 151 T( )</td>
<td>R811 171 T( )</td>
</tr>
<tr>
<td><strong>90° Elbow</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Reducer</td>
<td>R801 12 T( )</td>
<td>R811 22 T( )</td>
<td>R811 122 T( )</td>
<td>R811 122 T( )</td>
</tr>
<tr>
<td>Reducer</td>
<td>R801 52 T( )</td>
<td>R811 172 T( )</td>
<td>R811 152 T( )</td>
<td>R811 152 T( )</td>
</tr>
<tr>
<td><strong>45° Elbow</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Reducer</td>
<td>R801 102 T( )</td>
<td>R811 212 T( )</td>
<td>R811 102 T( )</td>
<td>R811 102 T( )</td>
</tr>
<tr>
<td>Reducer</td>
<td>R801 522 T( )</td>
<td>R811 1722 T( )</td>
<td>R811 1522 T( )</td>
<td>R811 1522 T( )</td>
</tr>
</tbody>
</table>

**201 Lindbergh Avenue | Livermore, CA 94551 | Phone: 925.455.3900 | www.aeroprecision.com | sales@aeroprecision.com**