Aeroquip Self-Sealing Couplings For Modular Hydraulic Systems.

- Multiple Coupling Installation in One Accessory Package.
- Accommodates Misalignment Up to ± .020 Inches.
- Permits Connection and Removal of Package Without Air Inclusion and Fluid Loss.
Design Specifications

Coupling halves are used to connect and disconnect hydraulic accessory packages in the aircraft. Both coupling halves seal out dust and foreign matter while preventing fluid leakage during disconnection. The female half is flush with the aircraft surface when disconnected. A special feature permits the coupling halves to be connected when misaligned up to ±0.020 inches. This blind mating capability, developed by Aeroquip engineers, is designed into a family of Aeroquip couplings for a variety of Aircraft applications.

Medium: 
MIL-H-5606 Hydraulic Fluid

Pressure: 
(See Below)

Temperature: 
−65°F to +275°F
(−54°C to +135°C)

Material 
Aluminum & Cres

Dimensions 
Reference drawings on page 4.

Weight 
(See Below)

Testing 
Qualification Test Report 66446-3

1/4 inch size

Pressure Information: (Installed in Receptacle)
MIN BURST: 7,500 PSIG
PROOF: 4,500 PSIG
OPERATING: 3,000 PSIG
Max. Weight (Lbs) 0.044

NOTE: O-Rings and Back-Up Rings not included.

Pressure Information: (Installed in Receptacle)
CONNECTED POSITION
MIN BURST: 7,500 PSIG
PROOF: 4,500 PSIG
OPERATING: 3,000 PSIG
Max Weight (Lbs) 0.062

AE97486E
Female Half
(Mounted in Aircraft)

AE97485E
Male Half
(Mounted in Accessory)
Design Features

1. Blind Mating Capability — Floating feature in male half allows axial misalignment up to .020 inches in a 360° circle.
2. Flush end surfaces allow cleaning prior to connection.
3. Minimum envelope and weight.
4. Installs in an easy-to-machine receptacle. (Reference drawings Page 4)
5. Expendable, no servicing required.
6. Seals out dust or foreign matter when disconnected.
7. Low pressure drop.

1/2 inch size

**NOTE:** O-Rings and Back-Up Rings not included.

<table>
<thead>
<tr>
<th>Pressure Information (Installed in Receptacle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIN BURST: ........................................ 7,500 PSIG</td>
</tr>
<tr>
<td>PROOF: ............................................. 4,500 PSIG</td>
</tr>
<tr>
<td>OPERATING: ........................................ 3,000 PSIG</td>
</tr>
<tr>
<td>Max Weight (Lbs) .................................. 0.092</td>
</tr>
</tbody>
</table>

Pressure Information: (Installed in Receptacle)

**CONNECTED POSITION**

| MIN BURST: ........................................ 7,500 PSIG |
| PROOF: ............................................. 4,500 PSIG |
| OPERATING: ........................................ 3,000 PSIG |
| Max Weight (Lbs) .................................. 0.165 |

**DISCONNECTED POSITION**

| MIN BURST: ........................................ 1,250 PSIG |
| PROOF: ............................................. 750 PSIG |
| OPERATING: ........................................ 500 PSIG |
| Max Weight (Lbs) .................................. 0.165 |

AE97486H Female Half (Mounted in Aircraft)

AE97485H Male Half (Mounted in Accessory)