



## Howmet Fastening Systems

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# Item # RFK9806-13, RFK9800-13 - Adapter - Port Connection, Ring Locked to Flared Tube End, 4000 PSI Working Pressure System

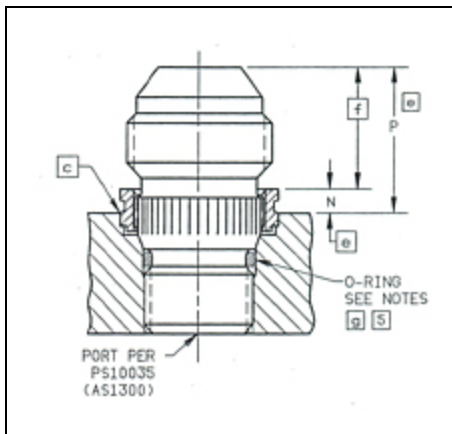
**THREAD:** AS8879 Class-3A

### 1. MATERIALS:

- Fitting: 6Al-4V titanium per AMS4928, AMS4965 or AMS4967, 130 KSI UTS MIN.
- Lockring: A286 cres per AMS5731, AMS5732, AMS5734 or AMS5737, 34-40 HRC.

### 2. FINISH:

- Fitting: Anodic treatment per AMS2488, Type 2.
- Lockring: Passivate per AMS2700, Type 2.



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## Specifications

|                                 |                |
|---------------------------------|----------------|
| <b>SAE Ident. Number</b>        | AS1985-06      |
| <b>Tube OD</b>                  | 0.375          |
| <b>A Thread AS8879 Class-3A</b> | 0.5625-18 UNJF |
| <b>B Thread AS8879 Class-3A</b> | 0.4375-20 UNJF |
| <b>C (± .005)</b>               | 0.700          |
| <b>D</b>                        | 0.293-0.301    |

|  |            |
|--|------------|
| <b>E (+.005/-.002)</b>                   | 0.364      |
| <b>F (MIN)</b>                           | 0.456      |
| <b>G</b>                                 | 0.544      |
| <b>H (+.010/-.005)</b>                   | 0.872      |
| <b>J (+.000/-.015)</b>                   | 0.395      |
| <b>K (+.010/-.005)</b>                   | 0.125      |
| <b>L (± .007)</b>                        | 0.210      |
| <b>O-Ring Size</b>                       | AS568-012  |
| <b>Adapter weight lbs/ea (MAX)</b>       | 0.028      |
| <b>Port PS10035 (AS1300)</b>             | PS10035-06 |
| <b>N (MAX)</b>                           | 0.130      |
| <b>P (± .020)</b>                        | 0.691      |
| <b>Porting Tool No.</b>                  | RPT06      |
| <b>Basic Broach Tool Impact Type</b>     | RFOPB5006  |
| <b>O-Ring Installation Tool Number</b>   | ORT437     |
| <b>Combination Wrench and Drive Tool</b> | RF9806DW   |
| <b>Lockring Removal Tool Number</b>      | RF06LPDE   |

## Engineering information

### ENGINEERING INFORMATION:

- THESE PARTS ARE PRIMARILY DESIGNED FOR USE IN 4000 PSI HYDRAULIC WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM.
- THESE PARTS PROVIDE SEMI-PERMANENT MALE ADAPTER INSTALLATIONS IN VALVE AND CYLINDER BODIES, MANIFOLDS ETC...
- SERRATED LOCKRING PREVENTS ROTATION WHEN MATING LINES ARE ATTACHED OR REMOVED.

## Installation information

**INSTALLATION INFORMATION:**

- d. ADAPTERS TO BE INSTALLED AND REMOVED PER SAE STANDARD AS1301.
- e. "N" AND "P" STAND-OFF DIMENSIONS ARE FOR DESIGN PURPOSES ONLY. DO NOT USE AS INSTALLATION DATA.
- f. THIS DIMENSION MEETS THE MINIMUM REQUIREMENTS OF AS4395, STYLE "E".
- g. O-RINGS MUST BE SPECIFIED SEPARATELY AND SHALL BE SELECTED BASED ON SYSTEM FLUID AND TEMPERATURE AND ARE NOT SUPPLIED BY HFS.

## Notes

**NOTES: UNLESS OTHERWISE SPECIFIED**

- 3. LOCKRING RETAINED ON ADAPTER BY CONTROLLED INTERFERENCE FIT.
- 4. SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.
- 5. O-RING DASH NUMBERS SHOWN CONFORM TO AS568 UNIFORM DASH NUMBERING SYSTEM.
- 6. **IDENTIFICATION:**

MARK AT LOCATION SHOWN PER AS478 METHOD 2 OR 15, MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE.

MARK PER AS478 METHOD 35D. NAME, TRADEMARK OR CAGE CODE, AS1985, IF APPLICABLE HFS PART NUMBER.

- 7. ALL MACHINED SURFACES SHALL BE SMOOTH TO 125 MICROINCHES Ra, SERRATION 250 MICROINCHES Ra,  
SEALING SURFACES 63 MICROINCHES Ra PER ASME B46.1.

8. BREAK EDGES .003-.015.

9. PROCUREMENT SPECIFICATION: AS4841 EXCEPT AS SPECIFIED ON THIS DRAWING.