



Howmet Fastening Systems

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Item # RF5002-28, RF5000-28 - Adapter - Port Connection Ring Locked to Beam Seal Tube End, 4000 PSI System (16000 PSI Burst Pressure)

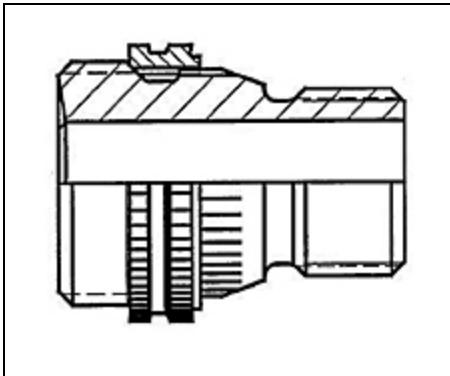
THREAD: AS8879 Class-3A

1. MATERIALS:

- Fitting: Cres, A286 per AMS5731, AMS5732, AMS5734 or AMS5737, 34 HRC min.
- Lockring: Cres, A286 per AMS5731, AMS5732, AMS5734 or AMS5737, 34-40 HRC.

2. FINISH:

- Fitting: passivate per AMS2700, plus everlube 811R inorganic solid film lubricant on all surfaces except none in flow hole.
- Lockring: passivate per AMS2700, Type 2.



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Specifications

Tube OD	0.125 Inch
A Thread AS8879 Class-3A	0.3125-32 UNJEF Inch
B Thread AS8879 Class-3A	0.2160-28 UNJF Inch
C Dia.(± .005)	0.400 Inch
D Dia.	0.265-0.271

E Dia.	0.090-0.096 Inch
F Dia. (+.005/-0.002)	0.154 Inch
G Dia. Min	0.246 Inch
H Dia.	0.317 Inch
J Dia. (+.010/-0.005)	0.519 Inch
K (+.000/-0.015)	0.300 Inch
L (+.010/-0.005)	0.125 Inch
M (± .007)	0.192 Inch
N No. of Teeth	24.000
O-Ring Size	AS568-007
Weight	1.12 lbs/1000 pcs
SAE Port	AS1300-02
AFS Port	PS10035-02
P Max	0.124 Inch
R(± .020)	0.358 Inch
Porting Tool No.	RPT02
Basic Broach Tool Impact Type	RFOPB5002
O-Ring Installation Tool Number	ORT216
Combination Wrench and Drive Tool	RF5002DW
Lockring Removal Tool Number	RF02LPDE

Engineering information

- These parts are primarily designed for use in 4000 PSI hydraulic working pressure systems (military procurement specification number AS85720, Type II) Compatible with stainless steel.
- 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

- d. "P" and „R" stand-off dimensions are for design purposes only. Do not use as installation data.
- e. This dimension meets the minimum requirements of military procurement specification number AS85720/1, except size 02 .
- f. O-rings must be specified separately and shall be selected based on system fluid and temperature and are not supplied by HFS.
- g. Adapters to be installed per SAE Standard AS1301 into Boss cavities per SAE AS1300.

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
 - a. Mark at location shown per AS478, method 2 or 15. Manufacturer's name, trademark or cage code.
 - b. Bag and tag per AS478, method 35D. Manufacturer's name, trademark or cage code, customer part number if applicable, HFS part number.
- 7. All machined surfaces shall be smooth to 125 microinches Ra max, Serration 250 microinches Ra max, sealing surfaces 63 microinches Ra max and as noted per ASME B46.1.