

REV. B

SAE AS4383

FEDERAL SUPPLY CLASS
4730

RATIONALE

ADD AMS5853, AMS5732 AND AMS5737 OPTION FOR A286 LOCKRING MATERIAL AND OTHER GENERAL UPDATES.

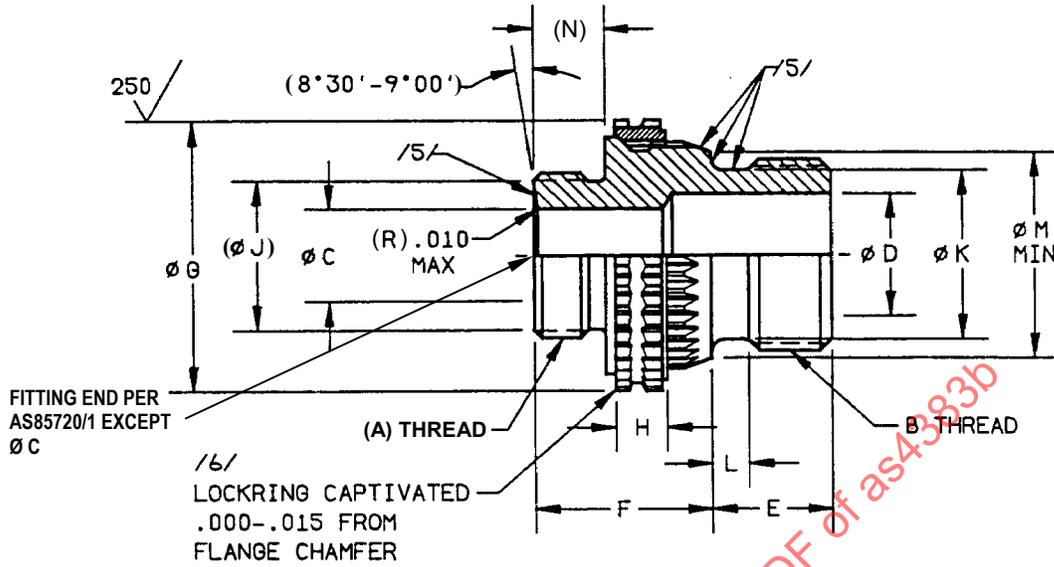
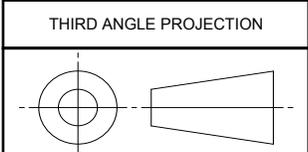


FIGURE 1 - ADAPTER, ASSEMBLY

TABLE 1A - DIMENSIONS A THROUGH H

BASIC NO. AS4383 /16/ SIZE CODE	A THREAD AS8879	B THREAD AS8879	C	D	E +.000 -.015	F +.010 -.005	G	H ±.007
05-04	.4375-24UNJS-3A	.3750-24UNJF-3A	.184-.190	.232	.381	.701	.624	.192
06-04	.4375-24UNJS-3A	.4375-20UNJF-3A	.184-.190	.295	.395	.733	.700	.210
08-04	.4375-24UNJS-3A	.5625-18UNJF-3A	.184-.190	.412	.430	.734	.814	.210
08-06	.5625-20UNJS-3A	.5625-18UNJF-3A	.294-.300	.412	.430	.754	.814	.210
10-04	.4375-24UNJS-3A	.6875-24UNJEF-3A	.184-.190	.498	.465	.758	1.040	.210
10-06	.5625-20UNJS-3A	.6875-24UNJEF-3A	.294-.300	.498	.465	.758	1.040	.210
10-08	.7188-20UNJS-3A	.6875-24UNJEF-3A	.398-.408	.498	.465	.771	1.040	.210
12-06	.5625-20UNJS-3A	.8125-20UNJEF-3A	.294-.300	.633	.527	.751	1.170	.220
12-08	.7188-20UNJS-3A	.8125-20UNJEF-3A	.398-.408	.633	.527	.764	1.170	.220
12-10	.8438-18UNJS-3A	.8125-20UNJEF-3A	.493-.503	.633	.527	.828	1.170	.220
16-10	.8438-18UNJS-3A	1.1250-18UNJEF-3A	.493-.503	.861	.564	.841	1.456	.220
16-12	1.0000-16UNJ-3A	1.1250-18UNJEF-3A	.604-.614	.861	.564	.881	1.456	.220
20-12	1.0000-16UNJ-3A	1.3125-18UNJEF-3A	.604-.614	1.057	.569	.888	1.782	.240
20-16	1.2500-14UNJS-3A	1.3125-18UNJEF-3A	.839-.851	1.057	.569	.936	1.782	.240
24-12	1.0000-16UNJ-3A	1.6250-18UNJEF-3A	.604-.614	1.297	.608	.909	2.031	.240
24-16	1.2500-14UNJS-3A	1.6250-18UNJEF-3A	.839-.851	1.297	.608	.957	2.031	.240

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4383B>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS85720

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
FITTING ASSEMBLY, REDUCER RING LOCKED PORT CONNECTION TO BEAM SEAL 5000 PSI /8/

SAE AS4383
SHEET 1 OF 3

REV. B

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ISSUED 1992-06 REAFFIRMED 2004-07 REVISED 2011-08

TABLE 1B – DIMENSIONS J THROUGH N

BASIC NO. AS4383 /16/ SIZE CODE	(J)	K +.005 -.002	L +.010 -.005	M	(N) ±.015
05-04	.377-.383	.381	.701	.624	.192
06-04	.377-.383	.395	.733	.700	.210
08-04	.377-.383	.430	.734	.814	.210
08-06	.490-.497	.430	.754	.814	.210
10-04	.377-.383	.465	.758	1.040	.210
10-06	.490-.497	.465	.758	1.040	.210
10-08	.646-.654	.465	.771	1.040	.210
12-06	.490-.497	.527	.751	1.170	.220
12-08	.646-.654	.527	.764	1.170	.220
12-10	.763-.772	.527	.828	1.170	.220
16-10	.763-.772	.564	.841	1.456	.220
16-12	.910-.919	.564	.881	1.456	.220
20-12	.910-.919	.569	.888	1.782	.240
20-16	1.148-1.158	.569	.936	1.782	.240
24-12	.910-.919	.608	.909	2.031	.240
24-16	1.148-1.158	.608	.957	2.031	.240

NOTES

1. MATERIAL

- a. FITTING: 6AL-4V TITANIUM ALLOY PER AMS4928, AMS4965, OR AMS4967
- b. LOCKRING: A286 CORROSION RESISTANT STEEL PER AMS5731, AMS5732, AMS5734, AMS5737 OR AMS5853.

2. HEAT TREATMENT

- a. FITTING: 130 ksi UTS MIN
- b. LOCKRING: 34 TO 40 HRC

3. FINISH

- a. FITTING: ANODIC TREATMENT PER AMS2488, TYPE 2.
- b. LOCKRING: PASSIVATE PER AMS2700 TYPE 2.

/4/ PROCUREMENT SPECIFICATION: AS85720 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.

/5/ SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.

/6/ LOCKRING RETAINED ON FITTING BY CONTROLLED INTERFERENCE FIT.

7. IDENTIFICATION PER AS478 METHOD 35D, MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE, AND PART NUMBER.

/8/ WORKING PRESSURE: THIS PART IS DESIGNED FOR USE IN 5000 psi (20 000 psi BURST PRESSURE) HYDRAULIC WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM, EXCEPT PORT END SIZES -20 AND -24 ARE FOR 4000 psi (16 000 psi BURST PRESSURE).

9. ADAPTERS TO BE INSTALLED INTO BOSS CAVITIES PER AS1300.

10. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.

11. INTERPRETATION OF DRAWING PER ARP4296.

 An SAE International Group	AEROSPACE STANDARD	 SAE AS4383 SHEET 2 OF 3	REV. B
	FITTING ASSEMBLY, REDUCER RING LOCKED PORT CONNECTION TO BEAM SEAL 5000 PSI /8/		