

AS4383

FEDERAL SUPPLY CLASS

4730

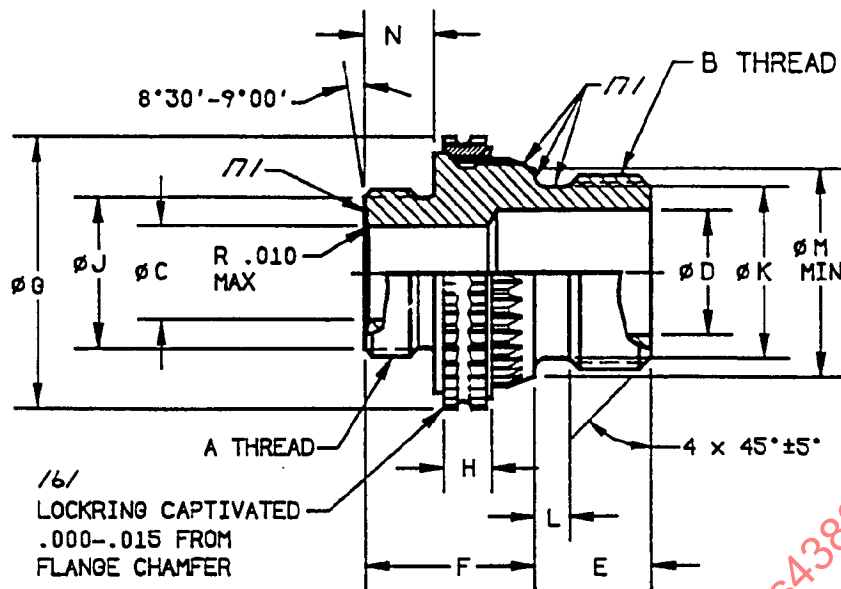
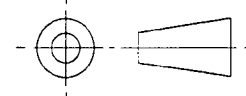


FIGURE 1

TABLE 1

AS IDENTIFICATION NUMBER /15/	A THREAD MIL-S-8879 CLASS-3A	B THREAD MIL-S-8879 CLASS-3A	C	D ±.005	E +.000/- .015	F +.010/- .005	G ±.005	H ±.007
AS4383-05-04	.4375-24UNJS	.3750-24UNJF	.184-.190	.232	.381	.701	.624	.192
AS4383-06-04	.4375-24UNJS	.4375-20UNJF	.184-.190	.295	.395	.733	.700	.210
AS4383-08-04	.4375-24UNJS	.5625-18UNJF	.184-.190	.412	.430	.734	.814	.210
AS4383-08-06	.5625-20UNJS	.5625-18UNJF	.294-.300	.412	.430	.754	.814	.210
AS4383-10-04	.4375-24UNJS	.6875-24UNJEF	.184-.190	.498	.465	.758	1.040	.210
AS4383-10-06	.5625-20UNJS	.6875-24UNJEF	.294-.300	.498	.465	.758	1.040	.210
AS4383-10-08	.7188-20UNJS	.6875-24UNJEF	.398-.408	.498	.465	.771	1.040	.210
AS4383-12-06	.5625-20UNJS	.8125-20UNJEF	.294-.300	.633	.527	.751	1.170	.220
AS4383-12-08	.7188-20UNJS	.8125-20UNJEF	.398-.408	.633	.527	.764	1.170	.220
AS4383-12-10	.8438-18UNJS	.8125-20UNJEF	.493-.503	.633	.527	.828	1.170	.220
AS4383-16-10	.8438-18UNJS	1.1250-18UNJEF	.493-.503	.861	.564	.841	1.456	.220
AS4383-16-12	1.0000-16UNJ	1.1250-18UNJEF	.604-.614	.861	.564	.881	1.456	.220
AS4383-20-12	1.0000-16UNJ	1.3125-18UNJEF	.604-.614	1.057	.569	.888	1.782	.240
AS4383-20-16	1.2500-14UNJS	1.3125-18UNJEF	.839-.851	1.057	.569	.936	1.782	.240
AS4383-24-12	1.0000-16UNJ	1.6250-18UNJEF	.604-.614	1.297	.608	.909	2.031	.240
AS4383-24-16	1.2500-14UNJS	1.6250-18UNJEF	.839-.851	1.297	.608	.957	2.031	.240

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: MIL-F-85720

SAE The Engineering Society
For Advancing Mobility
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INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

ADAPTER-REDUCER, PORT CONNECTION
RING LOCKED TO BEAM SEAL FITTING
5000 psi

AS4383

SHEET 1 OF 3

ISSUED 1992-06-22 REVISED

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TABLE 2

AS IDENTIFICATION NUMBER						O-RING SIZE REF /B/
	J	K +.005/- .002	L +.010/- .005	M	N ±.006	
AS4383-05-04	.377- .383	.299	.125	.393	.275	AS568-011
AS4383-06-04	.377- .383	.362	.125	.456	.275	AS568-012
AS4383-08-04	.377- .383	.480	.125	.574	.275	AS568-014
AS4383-08-06	.490- .497	.480	.125	.574	.295	AS568-014
AS4383-10-04	.377- .383	.623	.125	.717	.275	AS568-016
AS4363-10-06	.490- .497	.623	.125	.717	.295	AS568-016
AS4383-10-08	.646- .654	.623	.125	.717	.308	AS568-016
AS4383-12-06	.490- .497	.735	.157	.891	.295	AS568-116
AS4383-12-08	.646- .654	.735	.157	.891	.308	AS568-116
AS4383-12-10	.763- .772	.735	.157	.891	.372	AS568-116
AS4383-16-10	.763- .772	.998	.157	1.154	.372	AS568-120
AS4383-16-12	.910- .919	.998	.157	1.154	.412	AS568-120
AS4383-20-12	.910- .919	1.223	.157	1.379	.412	AS568-123
AS4383-20-16	1.148-1.158	1.223	.157	1.379	.460	AS568-123
AS4383-24-12	.910- .919	1.500	.157	1.656	.412	AS568-128
AS4383-24-16	1.148-1.158	1.500	.157	1.656	.460	AS568-128

NOTES:

1. MATERIALS:
 - a. FITTING: 6A1-4V TITANIUM PER AMS 4928 OR AMS 4967.
 - b. LOCKRING: A286 CRES PER AMS 5731 OR AMS 5734.
2. FINISH:
 - a. FITTING: DRY FILM LUBRICANT PER MIL-L-46010, TYPE I ON ALL SURFACES EXCEPT NONE IN FLOW HOLE. FULL BUILDUP ON BEAM SEAL SEALING SURFACE AND ON SERRATED COLLAR FLANGE INCLUDING CHAMFERED SEALING SURFACE.
 - b. LOCKRING: PASSIVATE PER QQ-P-35.
3. HEAT TREATMENT: TITANIUM IS IN ANNEALED CONDITON, 130 ksi UTS MIN. CRES, A286 IS HEAT TREATED TO 34-40 HRC.
4. THIS PART SHALL BE QUALIFIED IN A COMPLETE ASSEMBLY IN ACCORDANCE WITH PROCUREMENT SPECIFICATION. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.
5. THIS PART IS PRIMARILY DESIGNED FOR USE IN 5000 psi (20 000 psi BURST PRESSURE) HYDRAULIC WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM.
- /6/ LOCKRING RETAINED ON ADAPTER BY CONTROLLED INTERFERENCE FIT.
- /7/ SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.
- /8/ THIS PART IS USED IN CONJUNCTION WITH AN O-RING. O-RING PER AS568.
9. ALL INTERIOR PACKAGES SHALL BE MARKED AS4383-()-() IDENTIFICATION NUMBER PER MIL-STD-129 AND SHALL ALSO BE DURABLY MARKED WITH THE COMPLETE SUPPLIER PART NUMBER.
10. ADAPTERS TO BE INSTALLED INTO BOSS CAVITIES PER AS1300.