

TO CREATE INDUSTRY STANDARD FOR FITTINGS SIMILAR TO AS4383, EXCEPT WITH SOLID FILM LUBRICANT.

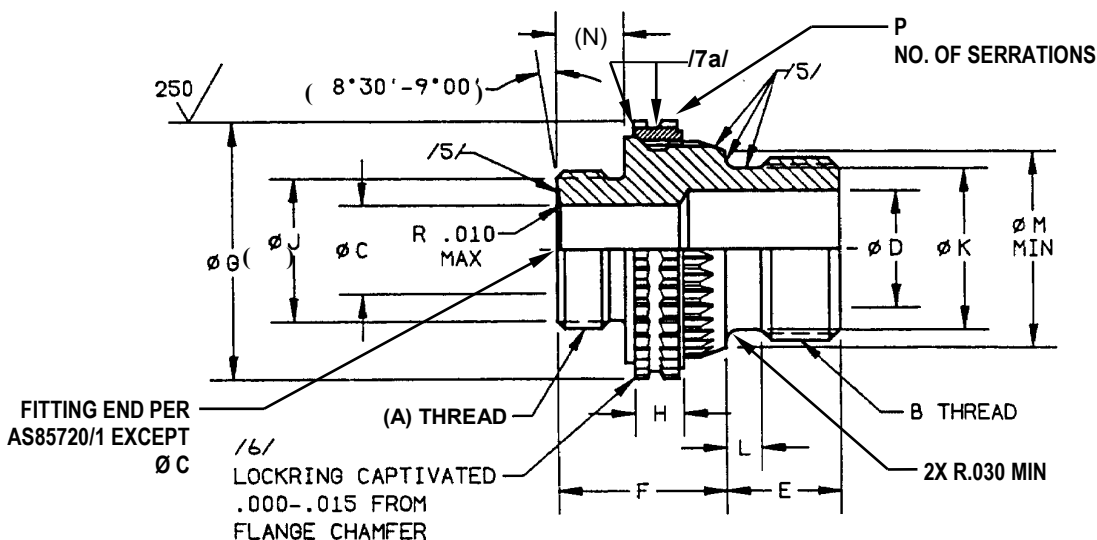


FIGURE 1 - ADAPTER, ASSEMBLY

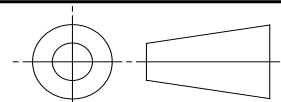
TABLE 1

TABLE 1A - DIMENSIONS A THROUGH H

BASIC NO. AS6306 /15/ 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://standards.sae.org/AS6383>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85720 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, REDUCER WITH SOLID FILM LUBRICANT, RING LOCKED PORT CONNECTION TO BEAM SEAL 4000 PSI AND 5000 PSI /8/

AS6383™
SHEET 1 OF 3

Documents

TABLE 1B - DIMENSIONS J THROUGH P

BASIC NO. AS6306 /15/ SIZE CODE	(J)	K +.005 -.002	L +.010 -.005	M	(N)	P
05-04	.377-.383	.299	.125	.393	.275	36
06-04	.377-.383	.362	.125	.456	.275	36
08-04	.377-.383	.480	.125	.574	.275	40
08-06	.490-.497	.480	.125	.574	.295	40
10-04	.377-.383	.623	.125	.717	.275	38
10-06	.490-.497	.623	.125	.717	.295	38
10-08	.646-.654	.623	.125	.717	.308	38
12-06	.490-.497	.735	.157	.891	.295	40
12-08	.646-.654	.735	.157	.891	.308	40
12-10	.763-.772	.735	.157	.891	.372	40
16-10	.763-.772	.998	.157	1.154	.372	36
16-12	.910-.919	.998	.157	1.154	.412	36
20-12	.910-.919	1.223	.157	1.379	.412	56
20-16	1.148-1.158	1.223	.157	1.379	.460	56
24-12	.910-.919	1.500	.157	1.656	.412	81
24-16	1.148-1.158	1.500	.157	1.656	.460	81

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. APPLY SOLID FILM LUBRICANT PER AS5272, TYPE 1, TO SEALING SURFACE OF FITTING END AS85720/1 AND "A" THREAD ONLY. OVERSPRAY ON THREAD UNDERCUT PERMISSIBLE.
- b. LOCKRING: PASSIVATE PER AMS2700, TYPE 2 OR 8.

/4/ PROCUREMENT SPECIFICATION:

- a. AS85421 (/15/ PORT END SIZES 05, 20, AND 24) EXCEPT AS SPECIFIED ON THIS STANDARD: PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS85421 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.
- b. AS85720 (/15/ PORT END SIZES 06, 08, 10, 12, AND 16) EXCEPT AS SPECIFIED ON THIS STANDARD: PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS85720 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.

THIS QPL REQUIREMENT SHALL BE IN EFFECT FOR PURCHASE ORDERS PLACED ON OR AFTER DECEMBER 1, 2016. SUPPLIERS SEEKING LISTING ON THE INITIAL QPL MUST APPLY TO PRI FOR APPROVAL NO LATER THAN JUNE 1, 2016. UNTIL THE QPL IS IN EFFECT, USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVALS. TRANSITION TO PRI-QPL SHALL BE COMPLETED BY DECEMBER 1, 2016.

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

	AEROSPACE STANDARD		AS6383™ SHEET 2 OF 3	
	FITTING ASSEMBLY, REDUCER WITH SOLID FILM LUBRICANT, RING LOCKED PORT CONNECTION TO BEAM SEAL 4000 PSI AND 5000 PSI /8/			