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REV.
C

AS4200™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CLARIFY THAT LOCKRING PTFE COATING IS FOR 8000 PSI IDENTIFICATION AND THAT MINOR AREAS OF INCOMPLETE COVERAGE ARE ACCEPTABLE.

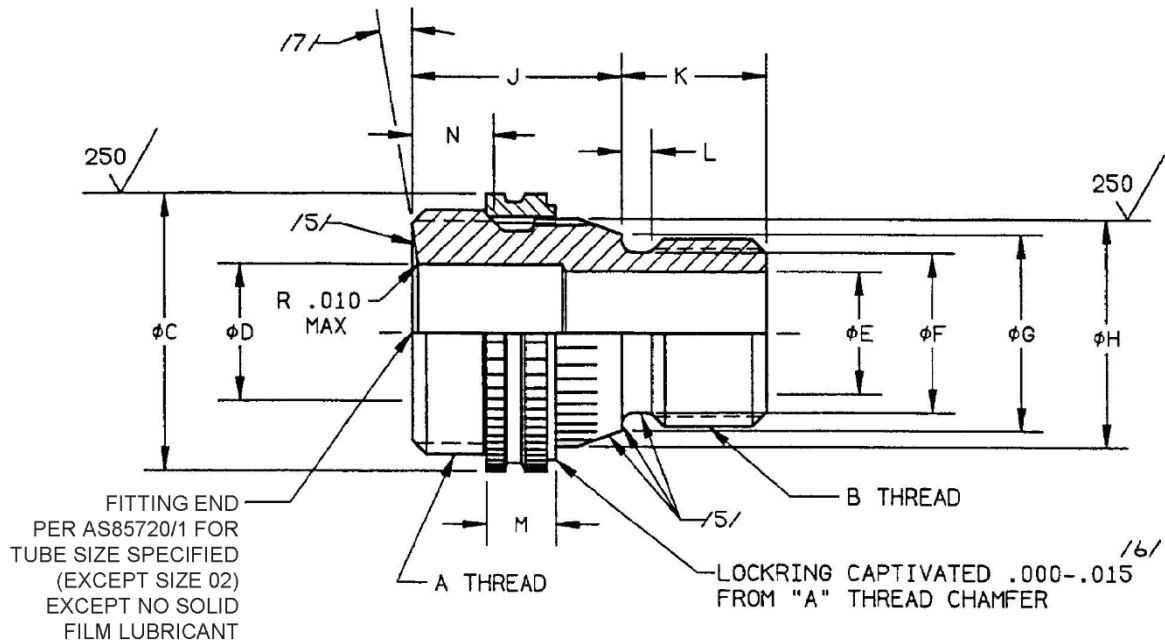


FIGURE 1 - ADAPTER, ASSEMBLY

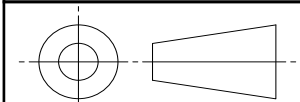
TABLE 1 - DIMENSIONS

TABLE 1A - A-F

BASIC NO. AS4200 /9/ 17/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD MIL-S-8879	B THREAD MIL-S-8879	C	(D)	E	F +.005/-.002
02	.125	.3125-32 UNJEF-3A	.2160-28 UNJF-3A	.400	.076-.083	.058	.154
03	.188	.3750-28 UNJS-3A	.2500-28 UNJF-3A	.468	.154-.164	.092	.186
04	.250	.4375-24 UNJS-3A	.3125-24 UNJF-3A	.514	.184-.194	.143	.239
05	.312	.5000-24 UNJS-3A	.3750-24 UNJF-3A	.624	.232-.242	.199	.301
06	.375	.5626-20 UNJS-3A	.4375-20 UNJF-3A	.700	.297-.307	.254	.364
07	.438	.6562-20 UNJS-3A	.5000-20 UNJF-3A	.767	.360-.370	.304	.423
08	.500	.7188-20 UNJS-3A	.5625-18 UNJF-3A	.814	.398-.408	.355	.482
09	.562	.7812-18 UNJS-3A	.6250-24 UNJEF-3A	.890	.450-.460	.421	.560
10	.625	.8438-18 UNJS-3A	.6875-24 UNJEF-3A	1.040	.512-.523	.476	.625
11	.688	.9375-16 UNJ-3A	.7500-20 UNJEF-3A	1.102	.591-.602	.517	.673

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4200C/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85720 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, ADAPTER RING LOCKED
PORT CONNECTION TO BEAM SEAL 8000 PSI

AS4200™
SHEET 1 OF 3

REV.
C



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TABLE 1B - G-N

BASIC NO. AS4200									
/9/ /17/	G		J	K	L	M	(N)	LB/EA	
SIZE CODE	MIN	(H)	+ .010/- .005	0/- .015	+ .010/- .005	± .007	MIN	MAX	
02	.246	.317	.496	.339	.125	.192	.141	.008	
03	.278	.349	.527	.350	.125	.192	.164	.011	
04	.331	.400	.569	.378	.125	.192	.197	.015	
05	.393	.491	.569	.404	.125	.192	.197	.020	
06	.456	.544	.610	.434	.125	.210	.205	.027	
07	.515	.605	.623	.458	.125	.210	.218	.035	
08	.574	.670	.623	.485	.125	.210	.218	.038	
09	.652	.739	.687	.513	.125	.210	.274	.049	
10	.717	.824	.687	.538	.125	.210	.274	.062	
11	.765	.891	.737	.561	.125	.220	.303	.074	

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: 140 KSI UTS MIN
- b. LOCKRING: 34-40 HRC

3. FINISH:

- a. FITTING: ANODIC TREATMENT PER AMS2488, TYPE 2.
- b. LOCKRING: PASSIVATE PER AMS2700, TYPE 2, AND POLYTETRAFLUOROETHYLENE COATING (COLOR: ORANGE) FOR 8000 PSI IDENTIFICATION PURPOSES. MINOR AREAS OF INCOMPLETE COATING COVERAGE ARE ACCEPTABLE.

/4/ PROCUREMENT SPECIFICATION: AS85720, EXCEPT AS SPECIFIED IN 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. FOUR TEETH, APPROXIMATELY 90° APART, HAVE BEEN REMOVED FROM THE LOCKRING EXTERNAL SERRATION FOR 8000 PSI IDENTIFICATION PURPOSES.

/7/ SEALING ANGLES:

- a. SIZES -02 AND -03: 3°00' TO 3°30'
- b. SIZES -04 AND LARGER: 8°30' TO 9°00'

8. IDENTIFICATION PER AS478 CLASS 35D. NAME, TRADEMARK, OR CAGE CODE AND PART NUMBER.

/9/ WORKING PRESSURE: PARTS ARE DESIGNED FOR USE IN 8000 PSI WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM. THE USE OF ODD SIZES (-03, -05, -07, -09, AND -11) IS RECOMMENDED. THE USE OF EVEN SIZES (-02, -04, -06, -08, AND -10) IS OPTIONAL AND SHALL BE THE RESPONSIBILITY OF THE DESIGN ACTIVITY.

10. ADAPTERS TO BE INSTALLED PER AS4202 INTO BOSS CAVITIES PER AS4201.

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

12. INTERPRETATION OF DRAWING PER AS4296.

13. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 MICROINCHES Ra AND SEALING SURFACE TO BE 63 MICROINCHES Ra.

14. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

	AEROSPACE STANDARD		AS4200™ SHEET 2 OF 3	REV. C
	FITTING ASSEMBLY, ADAPTER RING LOCKED PORT CONNECTION TO BEAM SEAL 8000 PSI			



Documents

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