

REV. B

MA2111

FEDERAL SUPPLY CLASS
4730

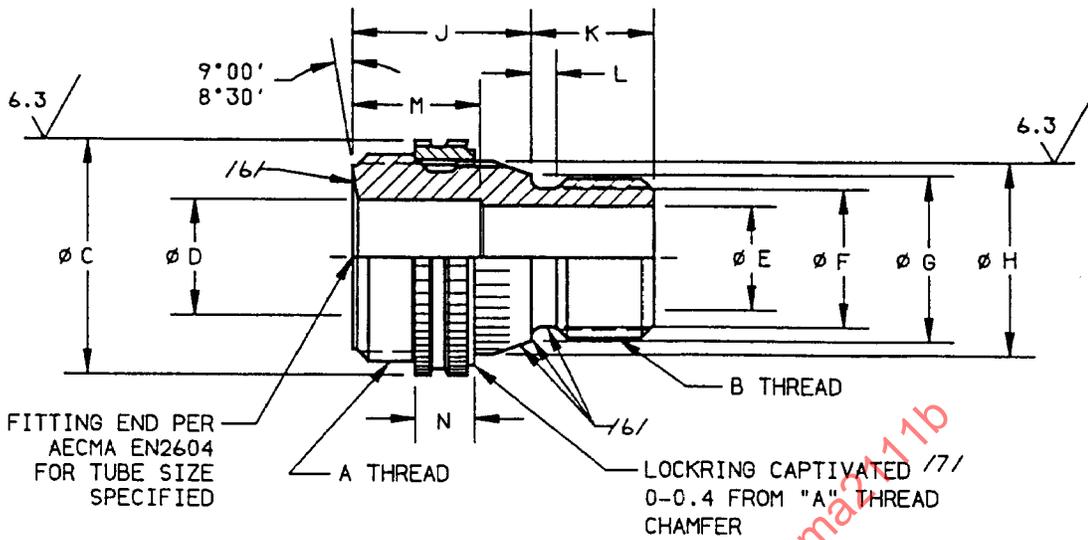


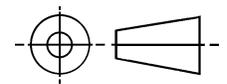
FIGURE 1 - ADAPTER, ASSEMBLY

TABLE 1 - DIMENSIONS

TABLE 1A - A THROUGH G

BASIC NO. MA2111 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD MA1370	B THREAD MA1370	C +0.09	(D)	E +0.20/0	F +0.15/-0.05	G MIN
05	5.0	MJ10 x 1.4g6g	MJ6 x 1.4h6h	12.90	4.20- 4.40	2.50	4.50	7.10
06	6.0	MJ12 x 1.25-4g6g	MJ8 x 1.4h6h	14.75	5.00- 5.20	4.40	6.50	9.05
08	8.0	MJ14 x 1.5-4g6g	MJ10 x 1.4h6h	17.80	6.70- 6.90	6.10	8.50	11.06
10	10.0	MJ16 x 1.5-4g6g	MJ12 x 1.25-4h6h	19.50	8.70- 8.90	7.70	10.20	12.78
12	12.0	MJ18 x 1.5-4g6g	MJ14 x 1.5-4h6h	21.00	10.60-10.80	9.00	11.90	14.38
14	14.0	MJ20 x 1.5-4g6g	MJ16 x 1.5-4h6h	22.60	11.45-11.65	10.70	13.90	16.36
16	16.0	MJ22 x 1.5-4g6g	MJ18 x 1.5-4h6h	26.40	13.30-13.60	12.50	15.90	18.37
18	18.0	MJ24 x 1.5-4g6g	MJ20 x 1.5-4h6h	28.00	15.30-15.60	14.20	17.90	20.37
20	20.0	MJ27 x 1.5-4g6g	MJ22 x 1.5-4h6h	30.20	18.00-18.30	15.90	19.90	22.38
22	22.0	MJ30 x 1.5-4g6g	MJ24 x 1.5-4h6h	33.70	20.80-21.10	17.65	21.90	24.35
25	25.0	MJ33 x 1.5-4g6g	MJ27 x 1.5-4h6h	37.00	22.40-22.70	20.20	24.90	27.35
28	28.0	MJ36 x 1.5-4g6g	MJ30 x 1.5-4h6h	40.95	25.60-25.90	22.80	27.90	30.37
32	32.0	MJ39 x 1.5-4g6g	MJ33 x 1.5-4h6h	43.00	28.30-28.60	25.40	30.90	33.37

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B /5/

PROCUREMENT SPECIFICATION: /4/ MA2005 (ISO 7169)



AEROSPACE STANDARD
FITTING ASSEMBLY, ADAPTER RING LOCKED PORT
CONNECTION TO 8°30' BEAM SEAL 28 000 kPa, METRIC

MA2111
SHEET 1 OF 3

REV. B

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ISSUED 1985-02 REVISED 1994-07 REAFFIRMED 2004-07

REV.
B

MA2111

TABLE 1B - H THROUGH N

BASIC NO. MA2111 /17/							
SIZE CODE	(H)	J +0.20	K +0.50/0	L +0.15/-0.10	M +0.4	N +0.2	KG/EA MAX
05	9.37	16.35	7.95	3.00	11.0	5.3	0.007
06	11.53	18.85	8.60	3.00	13.0	6.1	0.009
08	13.87	21.60	9.30	3.00	15.0	7.0	0.015
10	15.37	21.60	10.00	3.00	15.0	7.0	0.018
12	17.12	21.65	10.65	3.00	15.0	7.0	0.022
14	18.77	21.85	11.30	3.00	15.0	7.0	0.026
16	20.93	21.85	12.00	3.00	15.0	7.0	0.033
18	23.85	22.65	12.70	3.00	15.0	7.0	0.038
20	24.92	23.25	13.35	3.00	15.5	7.0	0.044
22	27.41	23.25	14.00	3.00	15.5	7.0	0.050
25	31.47	23.65	15.05	3.00	15.5	7.0	0.065
28	33.60	23.65	16.05	3.00	15.5	7.0	0.077
32	37.57	23.65	17.05	3.00	15.5	7.0	0.086

NOTES:

1. MATERIAL:
 - a. FITTING: 6Al-4V TITANIUM ALLOY PER AMS 4928, AMS 4965, OR AMS 4967
 - b. LOCKRING: A286 CORROSION RESISTANT STEEL PER AMS 5731 OR AMS 5734
2. HEAT TREATMENT:
 - a. FITTING: 900 MPa UTS MIN
 - b. LOCKRING: 34-40 HRC
3. FINISH:
 - a. FITTING: ANODIC TREATMENT PER AMS 2488, TYPE 2
 - b. LOCKRING: PASSIVATE PER QQ-P-35, TYPE II
- 4/ PROCUREMENT SPECIFICATION: MA2005 (ISO 7169) 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/ AECMA INTEREST: FUTURE REVISIONS TO THIS STANDARD SHALL BE COORDINATED WITH AECMA C4 COMMITTEE. AECMA IS ASSOCIATION EUROPEENNE DES CONSTRUCTEURS DE MATERIEL AEROSPATIAL (PARIS, FRANCE).
- 6/ SEALING SURFACE: NO VISIBLE DEFECTS. TO BE PROTECTED FOR SHIPMENT.
- 7/ LOCKRING RETAINED ON FITTING BY CONTROLLED INTERFERENCE FIT. LOCKRING EXTERNAL SERRATION DELETED ONE TOOTH FOR METRIC IDENTIFICATION PURPOSE.
8. IDENTIFICATION PER AS478 CLASS 35D. NAME, TRADEMARK OR CAGE CODE, AND PART NUMBER.
9. WORKING PRESSURE: THIS PART IS DESIGNED FOR USE IN 28 000 kPa WORKING PRESSURE SYSTEMS COMPATIBLE WITH TITANIUM.
10. ADAPTERS TO BE INSTALLED PER MA2114 INTO BOSS CAVITIES PER MA2110.
11. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.
12. INTERPRETATION OF DRAWING PER MAP4296.
13. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 3.2 μm Ra AND SEALING SURFACE TO BE 1.6 μm Ra.
14. BREAK EDGES 0.08 TO 0.38 UNLESS OTHERWISE SPECIFIED.