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REV.
C

MA2112™

FEDERAL SUPPLY CLASS
4730

RATIONALE

HARMONIZE STANDARD TO ASD-STAN EN 3566 EQUIVALENT STANDARD RELATED TO FINISH OF THE FITTING BODY.

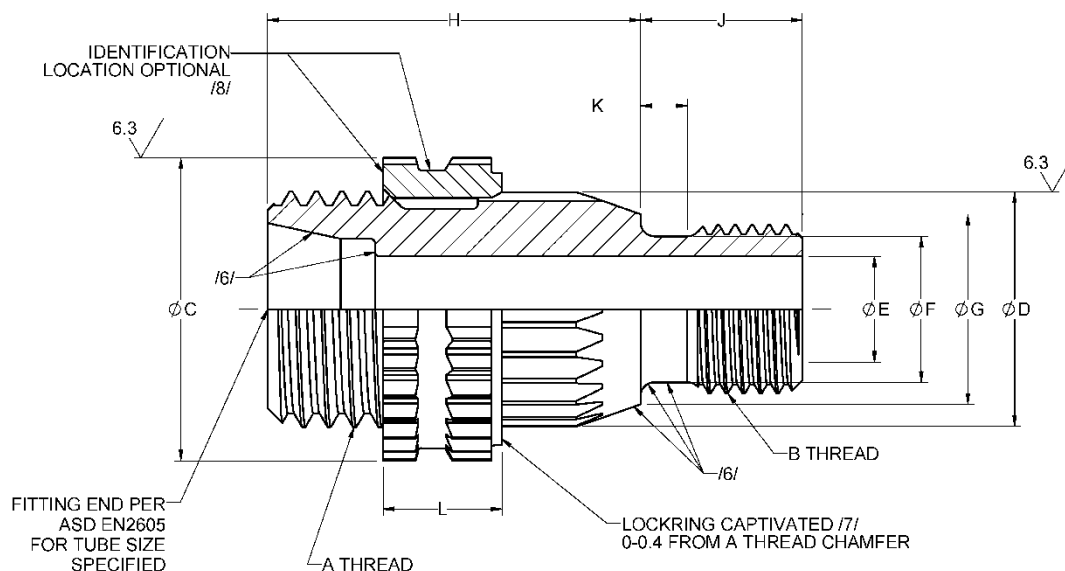


FIGURE 1 - ADAPTER, ASSEMBLY

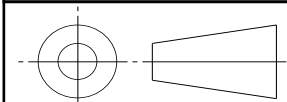
TABLE 1

TABLE 1A - DIMENSIONS

BASIC NO. MA2112 /16/ SIZE CODE	(NOMINAL TUBE SIZE)	A THREAD MA1370	B THREAD MA1370	C ±.09	D	E +.20 -.00	F +.15 -.05	G MIN
05	5.0	MJ10 x 1-4g6g	MJ6 x 1-4h6h	12.90	9.37	2.50	4.50	7.10
06	6.0	MJ12 x 1.25-4g6g	MJ8 x 1-4h6h	14.75	11.53	4.40	6.50	9.05
08	8.0	MJ14 x 1.5-4g6g	MJ10 x 1-4h6h	17.80	13.87	6.10	8.50	11.06
10	10.0	MJ16 x 1.5-4g6g	MJ12 x 1.25-4h6h	19.50	15.37	7.70	10.20	12.78
12	12.0	MJ18 x 1.5-4g6g	MJ14 x 1.5-4h6h	21.00	17.12	9.00	11.90	14.38
14	14.0	MJ20 x 1.5-4g6g	MJ16 x 1.5-4h6h	22.60	18.77	10.70	13.90	16.36
16	16.0	MJ22 x 1.5-4g6g	MJ18 x 1.5-4h6h	26.40	20.93	12.50	15.90	18.37
20	20.0	MJ27 x 1.5-4g6g	MJ22 x 1.5-4h6h	30.20	24.92	15.90	19.90	22.38
25	25.0	MJ33 x 1.5-4g6g	MJ27 x 1.5-4h6h	37.00	31.47	20.20	24.90	27.35
32	32.0	MJ42 x 2-4g6g	MJ36 x 1.5-4h6h	50.45	41.10	27.95	33.90	36.35
40	40.0	MJ50 x 2-4g6g	MJ42 x 2-4h6h	59.05	49.45	32.55	39.25	41.73

SAE values your input. To provide feedback on this
Technical Report, please visit
<http://standards.sae.org/MA2112C>

THIRD ANGLE PROJECTION



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

PROCUREMENT SPECIFICATION: MA2005 (ISO 7169) /4/



METRIC AEROSPACE STANDARD

(R) ADAPTER, ASSEMBLY - PORT CONNECTION
RING LOCKED TO 24° FLARELESS TUBE END,
METRIC

MA2112™
SHEET 1 OF 3

REV.
C

Documents

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. MA2112 /16/ SIZE CODE	H ±.20	J +.50 -.00	K +.15 -.00	L ±.2	WEIGHT KG/EA MAX
05	18.15	7.95	3.00	5.3	.007
06	19.95	8.60	3.00	6.1	.010
08	21.95	9.30	3.00	7.0	.015
10	22.95	10.00	3.00	7.0	.018
12	22.95	10.65	3.00	7.0	.021
14	22.95	11.30	3.00	7.0	.025
16	22.95	12.00	3.00	7.0	.033
20	24.55	13.35	3.00	7.0	.045
25	25.65	15.05	3.00	7.0	.070
32	29.15	18.10	3.00	7.7	.145
40	32.05	20.00	3.00	7.7	.210

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: 900 MPa UTS MIN
 - b. LOCKRING: 34 TO 40 HRC
3. FINISH:
 - a. FITTING: ANODIC TREATMENT PER AMS2488, TYPE 2, ON ALL SURFACES AND SOLID FILM LUBE PER AS5272, TYPE I ON ALL SURFACES EXCEPT IN THE FLOW HOLE.

ALTERNATE FINISH: SOLID FILM LUBE PER AS5272, TYPE I, ON ALL SURFACES EXCEPT IN THE FLOW HOLE.
 - b. LOCKRING: PASSIVATE PER AMS2700, TYPE 2 OR 8.
- /4/ PROCUREMENT SPECIFICATION: MA2005 (ISO 7169) EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED MANUFACTURER LIST (QML) FOR THIS TYPE OF PRODUCT. THE QML IS AVAILABLE AT www.eAuditNet.com.
- /5/ ASD-STAN INTEREST: FUTURE REVISIONS TO THIS STANDARD SHALL BE COORDINATED WITH ASD-STAN/D3 COMMITTEE. ASD-STAN IS AEROSPACE AND DEFENCE INDUSTRIES ASSOCIATION OF EUROPE – STANDARDIZATION (BRUSSELS, BELGIUM).
- /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:
 - a. MARK AT LOCATION(S) SHOWN PER AS478, METHOD 2 OR 15, MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE.
 - b. BAG AND TAG PER AS478, METHOD 35D, MANUFACTURER'S NAME, TRADEMARK OR CAGE CODE AND PART NUMBER.

	METRIC AEROSPACE STANDARD	MA2112™ SHEET 2 OF 3	REV. C 
	(R) ADAPTER, ASSEMBLY - PORT CONNECTION RING LOCKED TO 24° FLARELESS TUBE END, METRIC		

