

MA2305

RATIONALE

MA2305 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

FEDERAL SUPPLY CLASS
4730

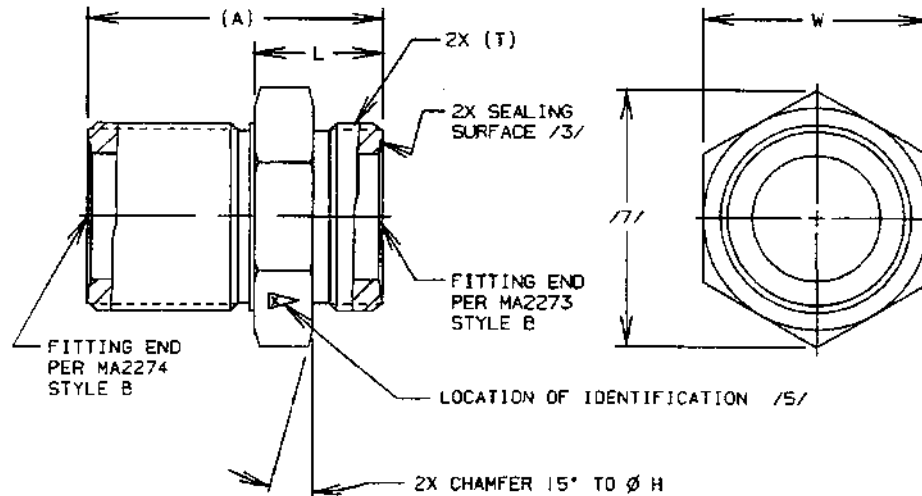


FIGURE 1 - FITTING, UNION, BULKHEAD

TABLE 1

BASIC NO. MA2305 /14/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	T MA1370 PER (ISO 5855/3)	A	H ±0.25	L	W	kg/EA MAX TI
05	5	MJ 10 X 1	29.6	13.35	14.1	13.60-14.06	.0103
06	6	MJ 12 X 1.25	34.0	16.35	16.0	16.6 -17.1	.0165
08	8	MJ 14 X 1.5	39.6	18.35	18.6	18.6 -19.1	.0233
10	10	MJ 16 X 1.5	40.6	21.35	18.6	21.6 -22.1	.0295
12	12	MJ 18 X 1.5	42.6	23.35	19.6	23.6 -24.1	.0368
14	14	MJ 29 X 1.5	42.6	26.35	19.6	26.6 -27.1	.0473
16	16	MJ 22 X 1.5	42.6	29.05	19.6	29.3 -30.1	.0592
18	18	MJ 24 X 1.5	42.6	31.05	19.6	31.3 -32.1	.0619
20	20	MJ 27 X 1.5	42.6	33.05	19.6	33.3 -34.1	.0703
22	22	MJ 30 X 1.5	42.6	35.05	19.6	35.3 -36.1	.0783
25	25	MJ 33 X 1.5	42.6	40.05	19.6	40.3 -41.1	.102
28	28	MJ 36 X 1.5	45.1	45.05	20.6	45.3 -46.1	.127
32	32	MJ 39 X 1.5	45.1	49.05	20.6	49.3 -50.1	.145

NOTES:

/1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.

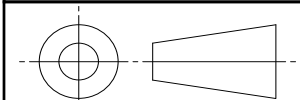
/2/ MATERIAL:

CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4965.

/3/ FINISH: NONE. APPLY DRY FILM LUBRICANT PER MIL-L-46010, TYPE I TO SEALING SURFACE. OVERSPRAY IN BORE IS NOT PERMITTED.

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2305>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B /8/

PROCUREMENT SPECIFICATION: /4/ MA2005 (ISO 7169)



AEROSPACE STANDARD

FITTING, UNION, BULKHEAD,
BEAM SEAL, METRIC

MA2305
SHEET 1 OF 2

Documents

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NOTES (CONTINUED):

- /4/ THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION AS APPLICABLE IN A COMPLETE ASSEMBLY. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENTN SHEET OR SIMILAR MEANS.
- /5/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B.
 - a. FOR SIZES DN10 AND SMALLER, MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, MATERIAL CODE LETTER AND PRESSURE RATING (EXAMPLE: 28K = 28,000 kPa).
 - b. FOR SIZES DN12 AND LARGER, MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, MATERIAL CODE LETTER AND PRESSURE RATING (EXAMPLE: 28K = 28,000 kPa).
- 6. THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH OPERATING PRESSURES AS FOLLOWS:
 - a. SIZES DN05 THROUGH DN28 AT 28,000 kPa.
 - b. SIZE DN32 AT 14,000 kPa.
- /7/ THE HEX CORNERS MAY BE ROUNDED PER ARP1942.
- /8/ REVISIONS OF THIS DOCUMENT SHALL BE COORDINATED WITH SAE COMMITTEE E-25.
- 9. INTERPRETATION OF DRAWING PER MAP4296.
- 10. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 3.2 μm Ra.
- 11. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED.
- 12. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994
- 13. DIMENSIONS IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.2 , ANGULAR DIMENSIONS $\pm 5^\circ$.
- /14/ EXAMPLE OF PART NUMBER: MA2305 T 08
 - BASIC PART NUMBER _____
 - MATERIAL CODE LETTER /2/ _____
 - SIZE CODE, TUBE SIZE IN MILLIMETERS

	AEROSPACE STANDARD	MA2305 SHEET 2 OF 3	
	FITTING, UNION, BULKHEAD, BEAM SEAL, METRIC		

