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MA2300

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2300 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

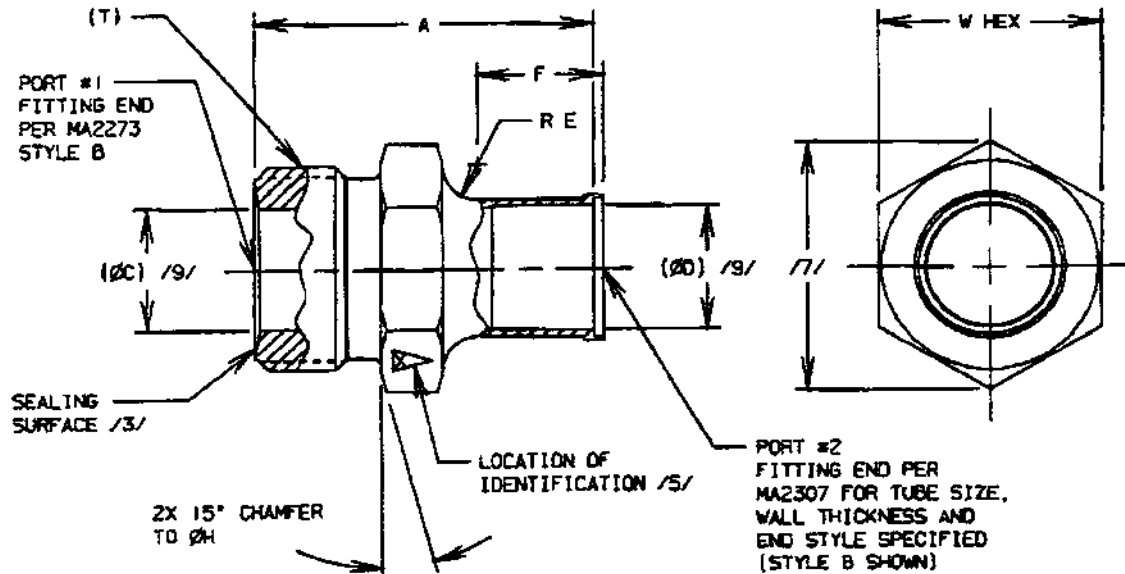
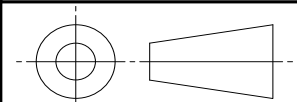


FIGURE 1 - FITTING, ADAPTER

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THIRD ANGLE PROJECTION



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

PROCUREMENT SPECIFICATION: /4/ MA4510



AEROSPACE STANDARD

FITTING, ADAPTER, EXTERNAL THREAD BEAM SEAL TO INTEGRAL WELD RING, METRIC

MA2300
SHEET 1 OF 3

Documents

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TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. MA2300 /15/	(NOMINAL TUBE SIZE DN) /1/	T THREAD PER MA1370 (ISO 5855/3) 4g 6g	PORT #2 STYLE	A ±0.3	C	D	E +0.2 0	F	H ±0.25	W	OPERATING PRESSURE kPa	Kg/EA MAX TI
0504	5	MJ 10 X 1	A	24.0	-	4.15	2.5	11.2	10.45	10.70-11.06	28,000	.00370
0605	6	MJ 12 X 1.25	A	25.0	-	4.95	3.0	10.7	12.35	12.60-13.06	28,000	.00532
0805	8	MJ 14 X 1.5	B	28.0	6.8	6.95	3.0	10.7	15.35	15.6 -15.1	21,000	.00874
0806	8	MJ 14 X 1.5	A	28.0	-	6.75	3.0	10.7	15.35	15.6 -15.1	28,000	.00886
1005	10	MJ 16 X 1.5	B	29.0	8.8	8.95	3.0	10.7	16.35	16.6 -17.1	21,000	.0111
1008	10	MJ 16 X 1.5	A	29.0	-	8.35	3.0	10.7	16.35	16.6 -17.1	28,000	.0117
1205	12	MJ 18 X 1.5	B	29.0	10.7	10.95	3.0	10.8	18.35	18.6 -19.1	14,000	.0132
1206	12	MJ 18 X 1.5	B	29.0	10.7	10.75	3.0	10.8	18.35	18.6 -19.1	21,000	.0135
1209	12	MJ 18 X 1.5	A	29.0	-	10.15	3.0	10.8	18.35	18.6 -19.1	28,000	.0141
1405	14	MJ 20 X 1.5	B	30.0	11.5	12.95	3.0	11.8	21.35	21.6 -22.1	14,000	.0171
1408	14	MJ 20 X 1.5	B	30.0	11.5	12.35	3.0	11.8	21.35	21.6 -22.1	21,000	.0180
1410	14	MJ 20 X 1.5	B	30.0	11.5	11.95	3.0	11.8	21.35	21.6 -22.1	28,000	.0185
1606	16	MJ 22 X 1.5	B	32.0	13.4	14.75	3.0	13.8	23.35	23.6 -24.1	14,000	.0200
1610	16	MJ 22 X 1.5	B	32.0	13.4	13.95	3.0	13.8	23.35	23.6 -24.1	21,000	.0216
1612	16	MJ 22 X 1.5	B	32.0	13.4	13.55	3.0	13.8	23.35	23.6 -24.1	28,000	.0222
1807	18	MJ 24 X 1.5	B	34.0	15.4	16.55	4.0	14.9	26.35	26.6 -27.1	14,000	.0244
1810	18	MJ 24 X 1.5	B	34.0	15.4	15.95	4.0	14.9	26.35	26.6 -27.1	21,000	.0258
1813	18	MJ 24 X 1.5	A	34.0	-	15.35	4.0	14.9	26.35	26.6 -27.1	28,000	.0271
2007	20	MJ 27 X 1.5	B	35.0	18.1	18.55	4.0	15.9	29.35	29.6 -30.1	14,000	.0293
2012	20	MJ 27 X 1.5	A	35.0	-	17.55	4.0	15.9	29.35	29.6 -30.1	21,000	.0326
2015	20	MJ 27 X 1.5	A	35.0	-	16.95	4.0	15.9	29.35	29.6 -30.1	28,000	.0351
2208	22	MJ 30 X 1.5	A	35.0	-	20.35	4.0	15.9	31.05	31.3 -32.1	14,000	.0340
2212	22	MJ 30 X 1.5	A	35.0	-	19.55	4.0	15.9	31.05	31.3 -32.1	21,000	.0378
2216	22	MJ 30 X 1.5	A	35.0	-	18.75	4.0	15.9	31.05	31.3 -32.1	28,000	.0415
2509	25	MJ 33 X 1.5	B	36.0	22.5	23.15	4.0	17.0	33.05	33.3 -34.1	14,000	.0404
2514	25	MJ 33 X 1.5	A	36.0	-	22.15	4.0	17.0	33.05	33.3 -34.1	21,000	.0439
2518	25	MJ 33 X 1.5	A	36.0	-	21.35	4.0	17.0	33.05	33.3 -34.1	28,000	.0482
2810	28	MJ 36 X 1.5	B	36.0	25.7	25.95	4.0	17.1	40.05	40.3 -41.2	14,000	.0524
2816	28	MJ 36 X 1.5	A	36.0	-	24.75	4.0	17.1	40.05	40.3 -41.2	21,000	.0577
2820	28	MJ 36 X 1.5	A	36.0	-	23.95	4.0	17.1	40.05	40.3 -41.2	28,000	.0625
3212	32	MJ 39 X 1.5	B	38.0	28.4	29.55	4.0	19.2	40.05	40.3 -41.2	14,000	.0542

NOTES:

- /1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.
- /2/ MATERIAL:
a. 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 OF THE MA2273 FITTING END. OVERSPRAY IN BORE IS NOT PERMITTED.
- /4/ PROCUREMENT SPECIFICATION: MA4510 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. THE MA2273 FITTING END SHALL HAVE BEEN QUALIFIED TO THE APPLICABLE REQUIREMENTS. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT 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 STANDARD SHALL BE COORDINATED WITH SAE COMMITTEE E-25.
- /9/ IF PORT #2 IS STYLE A, ϕ D WILL EXTEND THROUGHOUT THE PART AND ϕ C WILL NOT APPLY.



AEROSPACE STANDARD

FITTING, ADAPTER, EXTERNAL THREAD BEAM SEAL
TO INTEGRAL WELD RING, METRIC

MA2300

SHEET 1 OF 3



Documents

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