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REV.
A

MA2064

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2064A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

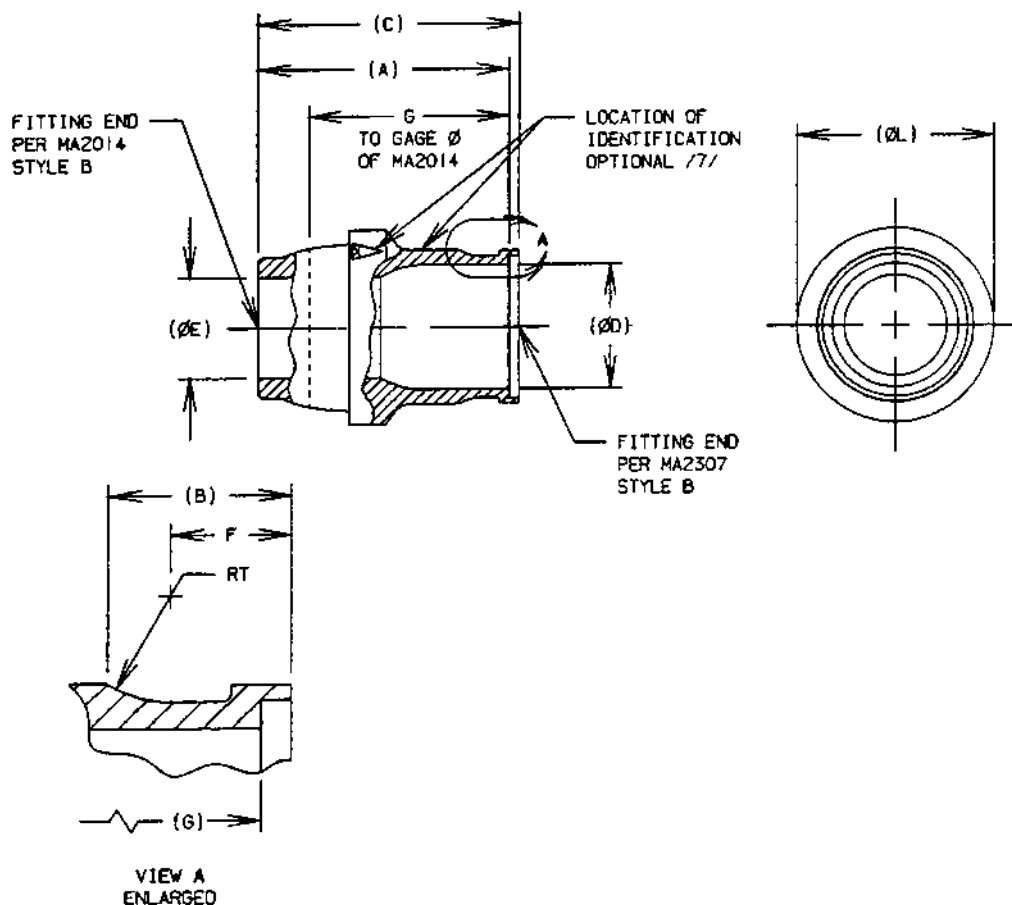


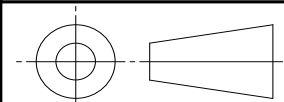
FIGURE 1 - FITTING, SLEEVE

TABLE 1A - DIMENSIONS

BASIC NO. MA2064 /17/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	(NOMINAL TUBE WALL)	A /9/	B /9/	C	D	E	F ±0.4 /9/	G /9/
06	6	0.5	19	4	19.75	4.95	4.5	2.3	14.7
08	8	0.6	19	4	19.75	6.75	6.3	2.3	14.8
10	10	0.6	19	4	19.75	8.75	7.1	2.3	14.8
12	12	0.7	21	5	21.85	10.55	8.6	3.3	16.7
14	14	0.8	23	5	23.85	12.35	10.1	3.2	18.7
16	16	0.9	25	6	25.85	14.15	11.8	4.1	20.7
20	20	1.0	26	7	26.95	17.95	15.1	4.6	21.7
25	25	1.0	31	9	32.05	22.95	19.5	6.6	26.7

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /6/ MA4510



AEROSPACE STANDARD

(R) FITTING, SLEEVE, FLARELESS
ACORN TO INTEGRAL WELD RING,
21,000 KPA, METRIC

MA2064
SHEET 1 OF 2

REV.
A

Documents

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TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. MA2064 /17/		T	kg/1000 MAX CRES	kg/1000 MAX TI
SIZE CODE	L	±0.4		
06	10.7	3.0	5.37	3.06
08	12.4	3.0	7.22	4.12
10	14.4	3.0	10.8	6.17
12	16.4	3.0	15.5	8.86
14	18.4	3.0	21.4	12.2
16	20.3	3.0	29.5	16.8
20	25.3	4.0	45.8	26.1
25	31.2	4.0	75.1	42.9

NOTES:

- /1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.
- /2/ MATERIAL:
a. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
b. CODE LETTER V - TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS 5659.
3. HEAT TREATMENT:
a. CODE LETTER T - NONE.
b. CODE LETTER V - HEAT TREAT TO CONDITION H 1075 PER AMS 2759/3.
4. FINISH: NONE.
5. PACKAGING: PER PROCUREMENT SPECIFICATION.
- /6/ PROCUREMENT SPECIFICATION: MA4510. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY. THE MA2014 FITTING END SHALL HAVE BEEN QUALIFIED TO THE APPLICABLE REQUIREMENTS OF MA2005. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.
- /7/ IDENTIFICATION AT LOCATION SHOWN: MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B MANUFACTURER'S IDENTIFICATION, CAGE CODE NUMBER OR TRADEMARK, BASIC PART NUMBER FOR SIZE DN12 AND LARGER, LETTERS "MA" FOR SIZE DN10 AND SMALLER AND MATERIAL CODE LETTER.
8. THIS PART IS DESIGNED FOR USE IN SYSTEMS WITH MAXIMUM OPERATING PRESSURE OF 21,000 kPa WHEN ORBITAL ARC WELDED TO TITANIUM ALLOY OR CORROSION RESISTANT STEEL TUBING.
- /9/ DIMENSIONS "F" AND "G" HAVE BEEN ADDED TO THIS REVISION TO REPLACE DIMENSIONS "A" AND "B" TO IMPROVE INSTALLATION FIT-UP AND MACHINING OF THE PART. NOMINAL DIMENSIONS OF "A" AND "B" HAVE NOT CHANGED AND ARE SHOWN AS REFERENCES; THEY MAY BE DELETED AT THE NEXT REVISION.
10. THE (R) IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. IF THE SYMBOL IS NEXT TO THE DOCUMENT TITLE, IT INDICATES A COMPLETE REVISION OF THE DOCUMENT.
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.
14. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED. SEE MA2307.
15. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994
16. DIMENSIONS IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.2 , ANGULAR DIMENSIONS $\pm 5^\circ$.
- /17/ EXAMPLE OF PART NUMBER: MA2064 T 12
- BASIC PART NUMBER ————
- MATERIAL CODE LETTER /2/ ————
- SIZE CODE, TUBE SIZE
IN MILLIMETERS



AEROSPACE STANDARD

(R) FITTING, SLEEVE, FLARELESS
ACORN TO INTEGRAL WELD RING,
21,000 KPA, METRIC

MA2064
SHEET 2 OF 2

REV.



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