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REV.
A

MA2066

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2066A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

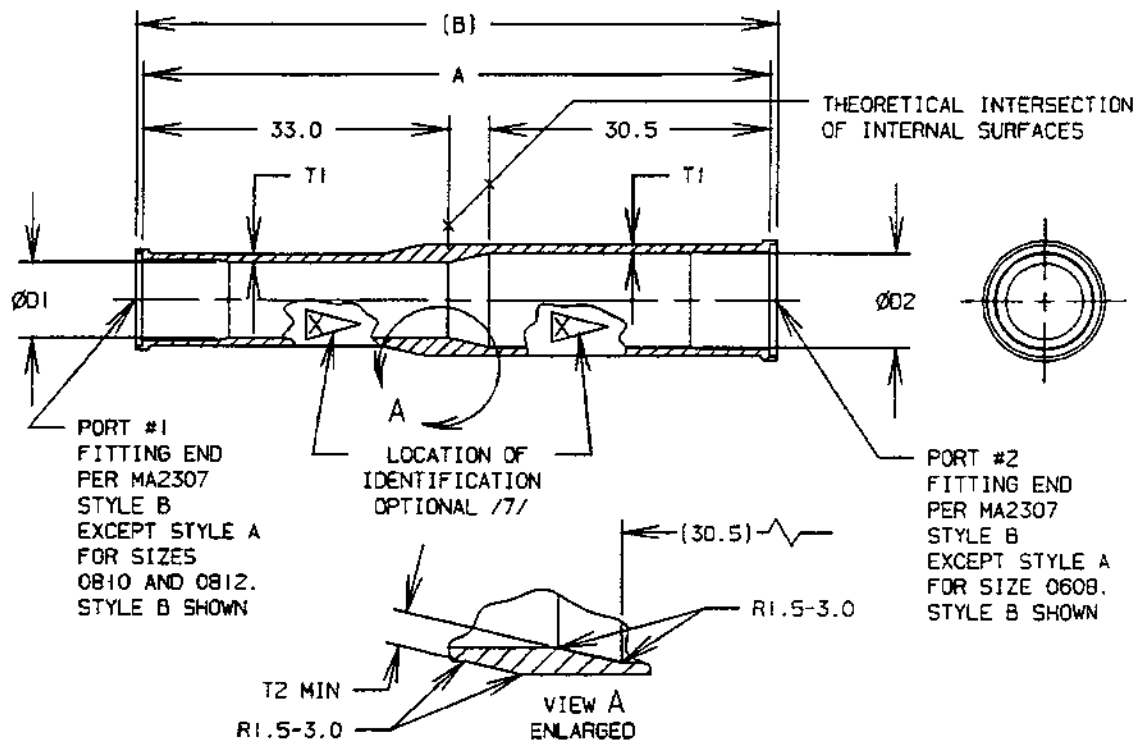


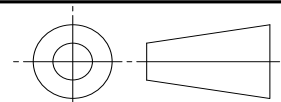
FIGURE 1 - FITTING, REDUCER

TABLE 1A - DIMENSIONS

BASIC NO. MA2066 /16/ SIZE CODE	(NOMINAL TUBE SIZE DN /1/) PORT #1	(NOMINAL TUBE SIZE DN /1/) PORT #2	TUBE WALL CODE PORT #1	TUBE WALL CODE PORT #2	A ±0.4	B	D1 0 -0.1	D2 0 -0.1
0608	6	8	05	06	67.0	68.5	4.8	6.8
0810	6	10	05	06	68.0	69.5	4.8	8.2
0810	8	10	06	06	67.0	68.5	6.8	8.2
0812	8	12	06	07	68.0	69.6	6.8	10.3
1012	10	12	06	07	68.0	69.6	8.2	10.3
1014	10	14	06	08	69.0	70.6	8.2	12.3
1214	12	14	07	08	68.0	69.7	10.3	12.3
1216	12	16	07	09	69.0	70.7	10.3	12.3
1416	14	16	08	09	69.0	70.7	12.3	14.0
1420	14	20	08	10	70.0	71.8	12.3	17.3
1620	16	20	09	10	69.0	70.8	14.0	17.3
1625	16	25	09	10	70.0	72.0	14.0	22.0
2025	20	25	10	10	70.0	72.0	17.3	22.0

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2066A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /6/ MA4510



AEROSPACE STANDARD

(R) FITTING, REDUCER, INTEGRAL
WELD RING, 21,000 KPA, METRIC

MA2066
SHEET 1 OF 2

REV.
A

Documents

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. MA2066 /16/ SIZE CODE	T1 ±0.1	T2	kg/100 MAX CRES	kg/100 MAX Ti
0608	0.7	2.5	0.697	0.398
0610	0.8	2.5	1.16	0.664
0810	0.8	2.5	1.33	0.758
0812	0.9	2.5	1.48	0.845
1012	0.9	2.5	1.66	0.949
1014	1.0	2.5	1.70	0.972
1214	1.0	2.5	1.78	1.02
1216	1.1	2.5	2.27	1.30
1416	1.1	3.0	2.43	1.39
1420	1.3	3.0	3.73	2.13
1620	1.3	3.0	3.92	2.24
1625	1.5	3.0	4.48	2.56
2025	1.5	3.0	4.91	2.80

NOTES:

- /1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.
- /2/ MATERIAL:
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
 - CODE LETTER V - TYPE 15-5PH CORROSION RESISTANT STEEL PER AMS 5659.
3. HEAT TREATMENT:
- CODE LETTER T - NONE.
 - 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. 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 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. 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.
10. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" MAY BE USED TO DEPLETION.
11. INTERPRETATION OF DRAWING PER MAP4296.
12. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 3.2 μm Ra.
13. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED. SEE MA2307.
14. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994
15. DIMENSIONS IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.2 .
- /16/ EXAMPLE OF PART NUMBER: MA2066 T 10 12

BASIC PART NUMBER _____

MATERIAL CODE LETTER /2/ _____

_____ SIZE CODE, TUBE SIZE OF
PORT #2 IN MILLIMETERS

_____ SIZE CODE, TUBE SIZE OF
PORT #1 IN MILLIMETERS



AEROSPACE STANDARD

R) FITTING, REDUCER, INTEGRAL
WELD RING, 21,000 KPA, METRIC

MA2066

SHEET 2 OF 3

REV.



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