

FEDERAL SUPPLY CLASS

4730

REV. A
MA2045

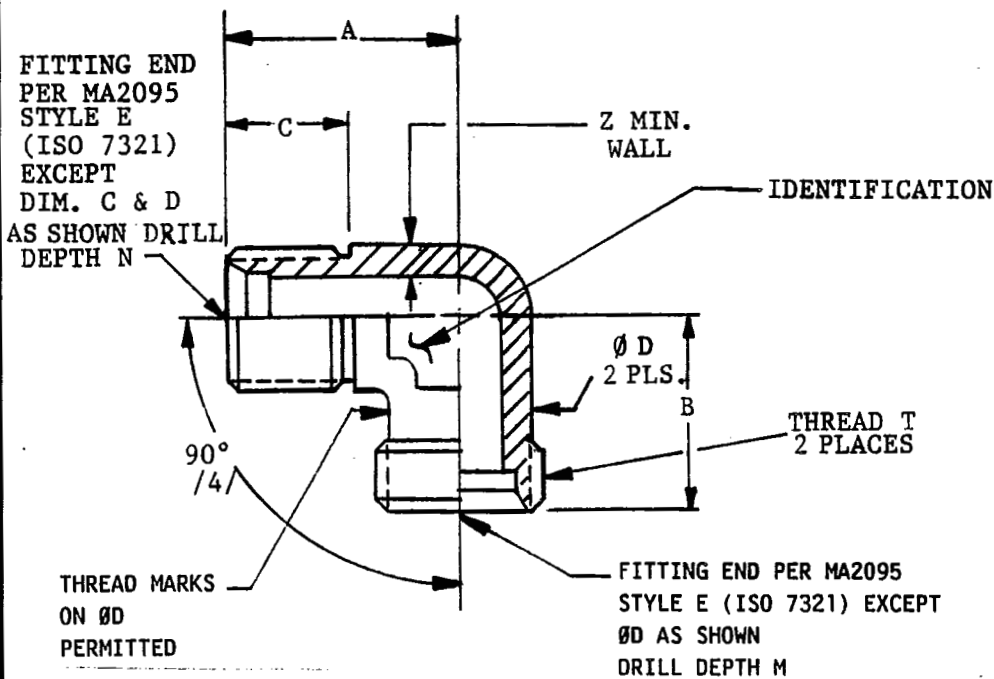


FIGURE 1 - FRONT AND SIDE VIEWS

TABLE 1 - DIMENSIONS

PART NUMBER	TUBE SIZE DN /4/	THREAD T MA1370 4g6g	C		D		M	N	V	Z MIN
			A	B	+0.5/0	±0.5				
MA2045-05	05	MJ10X1	21	18	15	8	18.5	21.5	7-8	1.3
MA2045-06	06	MJ12X1.25	22	20	15	10	20.5	22.5	9-10	1.8
MA2045-08	08	MJ14X1.5	25	23	17	12	24.0	26.0	11-12	1.8
MA2045-10	10	MJ16X1.5	26	24	17	14	26.5	27.5	13-14	2.0
MA2045-12	12	MJ18X1.5	28	25	18	16	27.5	29.5	15-16	2.0
MA2045-14	14	MJ20X1.5	30	27	18	18	29.0	32.0	17-18	2.0
MA2045-16	16	MJ22X1.5	31	28	19	20	30.5	33.5	19-20	2.0
MA2045-20	20	MJ27X1.5	35	32	21	24	35.5	38.5	23-24	2.5
MA2045-25	25	MJ33X1.5	40	36	26	30	40.5	44.5	28.6-30	2.5
MA2045-32	32	MJ42X2	48	42	26	39	48.0	54.0	37.6-39	3.5

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION MA2005 (ISO 7169)

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

ELBOW, THIN WALL, 90°
LOW PROFILE, BULKHEAD,
FLARELESS, METRIC

MA2045

SHEET 1 OF 2

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NOTES:

1. MATERIAL:
 - a. CRES:
 - (1) CODE LETTER J = 304 PER QQ-S-763
 - (2) CODE LETTER K = 316 PER QQ-S-763
 - (3) CODE LETTER R = 321 PER QQ-S-763
 - b. TITANIUM ALLOY: CODE LETTER T = 6AL-4V PER AMS 4928
2. FINISH:
 - a. CRES: PASSIVATE PER MIL-S-5002.
 - b. TITANIUM ALLOY: FLUORIDE CONVERSION COAT PER AMS 2486.
3. IDENTIFICATION MARKING, MANUFACTURING, CLEANING, PACKAGING, AND QUALITY PER PROCUREMENT SPECIFICATION MA2005 (ISO 7169) AND MA2023.
- 4/ DN = NOMINAL TUBE OUTSIDE DIAMETER
5. TITANIUM PARTS SHALL NOT BE USED IN OXYGEN SYSTEMS.
6. THIS PART SHALL BE QUALIFIED IN A COMPLETE FITTING ASSEMBLY IN ACCORDANCE WITH PROCUREMENT SPECIFICATION MA2005 (ISO 7169). USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.
7. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36; REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 3.2 μm Ra.
8. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONING AND TOLERANCING: ANSI Y14.5M
10. DIMENSIONS IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± 0.3 , ANGULAR DIMENSIONS $\pm 2.5^\circ$ SIZE 05 THROUGH 10 AND $\pm 1.5^\circ$ SIZE 12 AND LARGER.
11. EXAMPLE OF PART NUMBER:

MA2045 J 06

TUBE SIZE IN MILLIMETERS (DN NUMBER)

MATERIAL CODE LETTER (304 CRES)

BASIC PART NUMBER