

REV.
B

MA2043

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2043B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

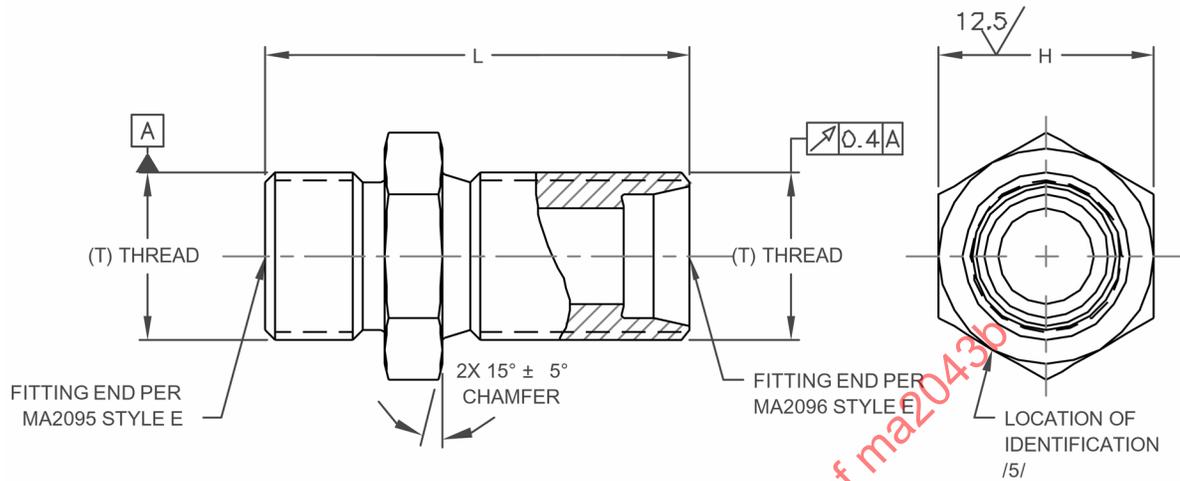


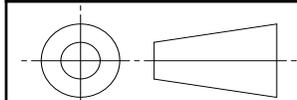
FIGURE 1 - UNION, BULKHEAD

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. MA2043 /12/ SIZE CODE	NOMINAL TUBE SIZE DN /1/	T PER MA1370	H	L	KG/EA	KG/EA	KG/EA
					APPROX REF ALUM	APPROX REF CRES	APPROX REF CRES
05	05	MJ10 X 1.00	13.73-14.00	35.0	0.00788	0.0218	0.0125
06	06	MJ12 X 1.25	16.73-17.00	36.0	0.0116	0.0321	0.0183
08	08	MJ14 X 1.50	16.73-17.00	39.0	0.0154	0.0427	0.0244
10	10	MJ16 X 1.50	18.57-19.00	42.0	0.0206	0.0571	0.0326
12	12	MJ18 X 1.50	21.67-22.00	42.0	0.0242	0.0671	0.0383
14	14	MJ20 X 1.50	23.67-24.00	43.0	0.0307	0.0852	0.0482
16	16	MJ22 X 1.50	29.67-30.00	43.0	0.0353	0.0980	0.0568
20	20	MJ27 X 1.50	35.38-36.00	43.0	0.0513	0.142	0.0812
25	25	MJ33 X 1.50	40.38-41.00	45.0	0.0737	0.204	0.117
32	32	MJ40 X 2.00	49.38-50.00	49.0	0.120	0.334	0.191
40	40	MJ50 X 2.00	59.26-60.00	51.0	0.164	0.453	0.260

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/MA2043B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: MA2005 /4/ (ISO 7169)



AEROSPACE STANDARD

(R) UNION, BULKHEAD, FLARELESS TUBE, METRIC

MA2043
SHEET 1 OF 3

REV.
B

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ISSUED 1986-03 REVISED 2003-06 REAFFIRMED 2015-04

NOTES:

/1/ DN = NOMINAL TUBE OUTSIDE DIAMETER

/2/ MATERIAL:

- a. NO CODE LETTER (USE HYPHEN): TYPE 4130 STEEL BAR PER AMS-S-6758.
- b. CODE LETTER D: (INACTIVE FOR USE): TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS 4112 OR TYPE 2024 T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6.
- c. CODE LETTER J: TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763, CLASS 304.
- d. CODE LETTER K: TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763, CLASS 316.
- e. CODE LETTER R: TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763, CLASS 321.
- f. CODE LETTER S: (INACTIVE FOR USE): TYPE 347 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763, CLASS 347.
- g. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
- h. CODE LETTER W: 7075-T7351 ALUMINUM PER AMS 4124.
- i. CODE S MATERIAL MAY BE USED UNTIL STOCK IS DEPLETED. CODE R MATERIAL MAY BE SUBSTITUTED WHENEVER CODE S MATERIAL IS SPECIFIED.
- j. CODE D MATERIAL MAY BE USED UNTIL STOCK IS DEPLETED. CODE W MATERIAL MAY BE SUBSTITUTED WHENEVER CODE S MATERIAL IS SPECIFIED.

3. FINISH:

- a. NO MATERIAL CODE LETTER (HYPHEN): CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2. DIP IN OIL PER MIL-PRF-6083.
- b. MATERIAL CODE LETTER T: FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486 OR ANODIZE PER AMS 2488.
- c. MATERIAL CODE LETTER W: ANODIZE PER AMS 2471, DYED BROWN SIMILAR TO COLOR 10080 OF FED-STD-595.
- d. MATERIAL CODE LETTER J, K, R, AND S: PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.

/4/ PROCUREMENT SPECIFICATION: MA2005 (ISO 7169) 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 SUPPLEMENT SHEET OR SIMILAR MEANS.

/5/ IDENTIFICATION AT LOCATION SHOWN:

- a. MARK PER AS478 CLASS C OR D OR METHOD 7A3, 15A3, OR 15B.
- b. MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE. BASIC PART NUMBER, AND MATERIAL CODE LETTER.

	AEROSPACE STANDARD	MA2043 SHEET 2 OF 3	REV. B
	(R) UNION, BULKHEAD, FLARELESS TUBE, METRIC		