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REV.
B

MA2025

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2025B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

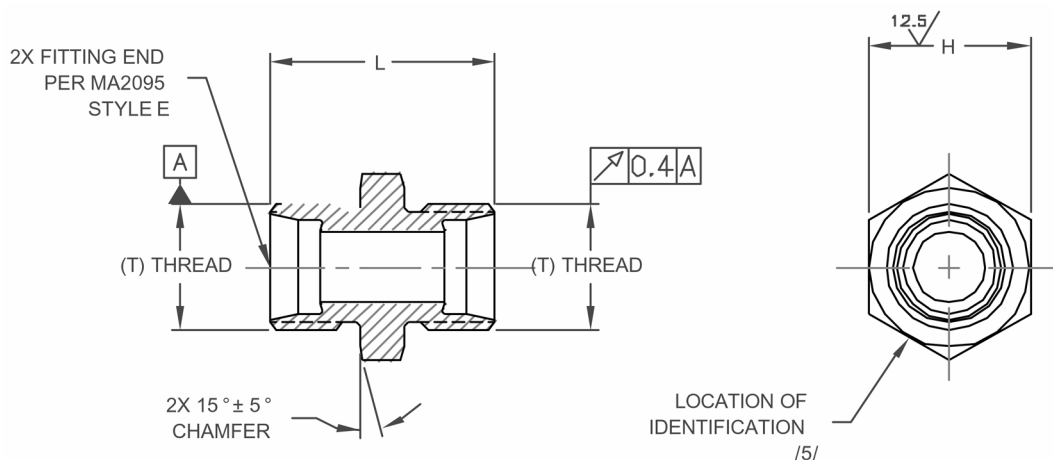


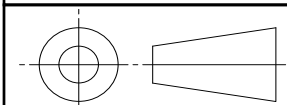
FIGURE 1 - UNION, NON-REDUCER

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. MA2025 /12/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	T PER MA1370	H	L	KG/EA APPROX REF ALUM	KG/EA APPROX REF CRES	KG/EA APPROX REF TI
05	05	MJ10 X 1.00	11.73-12.00	22.00	0.00390	0.01080	0.00618
06	06	MJ12 X 1.25	13.73-14.00	24.00	0.00576	0.01600	0.00913
08	08	MJ14 X 1.50	16.73-17.00	25.00	0.00779	0.02160	0.01230
10	10	MJ16 X 1.50	16.73-17.00	29.00	0.00970	0.02690	0.01540
12	12	MJ18 X 1.50	18.67-19.00	29.00	0.01170	0.03230	0.01850
14	14	MJ20 X 1.50	21.67-22.00	30.00	0.01560	0.04320	0.02470
16	16	MJ22 X 1.50	23.67-24.00	30.00	0.01760	0.04870	0.02780
20	20	MJ27 X 1.50	29.67-30.00	30.00	0.02740	0.07590	0.04340
25	25	MJ33 X 1.50	35.38-36.00	32.00	0.04250	0.11800	0.06750
32	32	MJ42 X 2.00	45.38-46.00	34.00	0.06920	0.19200	0.11000
40	40	MJ50 X 2.00	54.26-55.00	36.00	0.09650	0.26800	0.15300

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on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2025B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: MA2005 /4/ (ISO 7169)



AEROSPACE STANDARD

(R) UNION, FLARELESS, NON-REDUCER, METRIC

MA2025
SHEET 1 OF 3

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Documents

NOTES:

/1/ DN = NOMINAL TUBE OUTSIDE DIAMETER, MILLIMETERS.

/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: TYPE 7075-T7351 ALUMINUM ALLOY BAR 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 PER 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	MA2025	REV.
	(R) UNION, FLARELESS, NON-REDUCER, METRIC	SHEET 2 OF 3	B



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