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REV.
A

MA2042

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2042A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

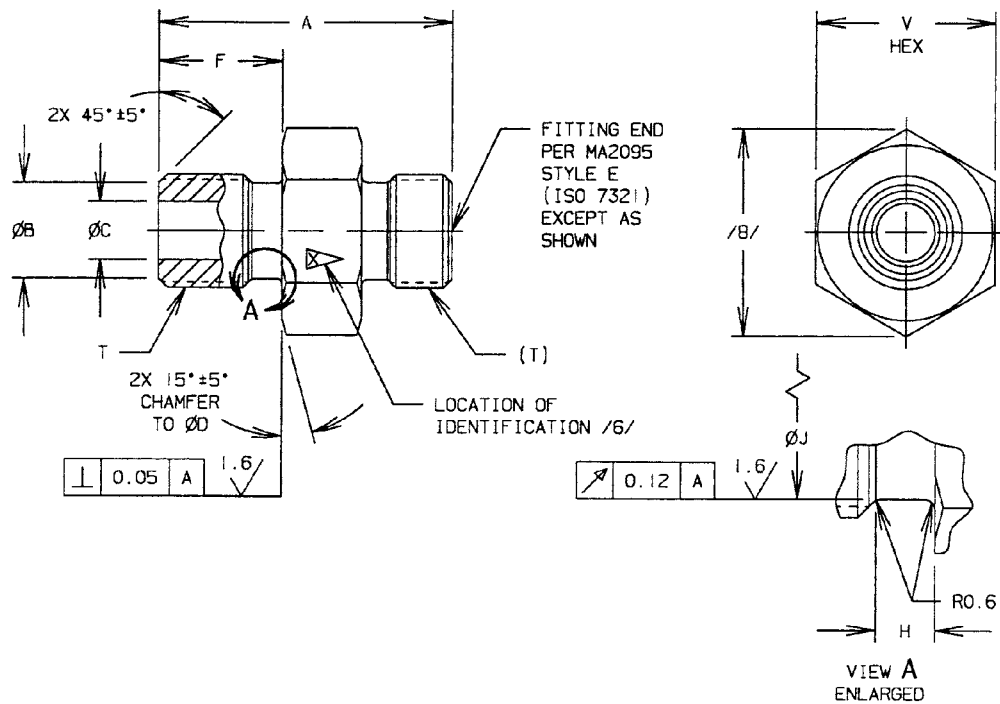
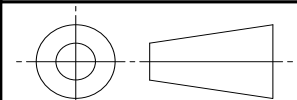


TABLE 1 - DIMENSIONS

BASIC NO. MA2042 /16/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	T THREAD PER MA1370 (ISO 5855-3) 4g6g	A ±0.3	B 0 −0.5	C ±0.1	D ±0.25	F ±0.1	H ±0.2
05	5	MJ 10 X 1	24.5	8.6	4.3	16.35	9.9	2.1
06	6	MJ 12 X 1.25	27.5	10.2	5.3	18.35	11.4	2.1
08	8	MJ 14 X 1.5	35.5	11.9	7.1	21.35	14.9	3.6
10	10	MJ 16 X 1.5	36.5	13.9	9.1	23.35	14.9	3.6
12	12	MJ 18 X 1.5	36.5	15.9	10.9	26.35	14.9	3.6
14	14	MJ 20 X 1.5	36.5	17.9	12.5	29.35	14.9	3.6
16	16	MJ 22 X 1.5	36.5	19.9	14.5	29.35	14.9	3.6
20	20	MJ 27 X 1.5	36.5	24.9	18.1	35.05	14.9	3.6
25	25	MJ 33 X 1.5	36.5	30.9	22.5	40.05	14.9	3.6
32	32	MJ 42 X 2	45.5	39.3	29.3	50.95	18.9	4.5
40	40	MJ 50 X 2	45.5	47.3	37.3	58.95	18.9	4.5

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<http://www.sae.org/technical/standards/MA2042A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /5/ MA2005 (ISO 7169)



AEROSPACE STANDARD

(R) FITTING, ADAPTER, PORT
CONNECTION TO FLARELESS, METRIC

MA2042
SHEET 1 OF 3

REV.
A

Documents

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TABLE 1A - DIMENSIONS AND WEIGHTS

BASIC NO. MA2042 /16/ SIZE CODE	J	V	Kg/100 MAX ALUM	Kg/100 MAX CRES	Kg/100 MAX TI
05	8.22- 8.30	16.6-17.1	0.701	2.01	1.11
06	10.02-10.10	18.6-19.1	1.02	2.92	1.61
08	11.60-11.70	21.6-22.1	1.81	5.19	2.86
10	13.60-13.70	23.6-24.1	2.14	6.15	3.39
12	15.60-15.70	26.6-27.1	2.63	7.53	4.15
14	17.60-17.70	29.6-30.1	3.19	9.16	5.05
16	19.60-19.70	29.6-30.1	3.23	9.26	5.11
20	24.60-24.70	35.3-36.2	4.71	13.5	7.46
25	30.60-30.70	40.3-41.2	6.16	17.7	9.75
32	38.85-39.00	51.2-52.3	12.5	35.9	19.8
40	46.85-47.00	59.2-60.3	15.3	43.9	24.2

NOTES:

/1/ DN = NOMINAL TUBE OUTSIDE DIAMETER.

/2/ MATERIAL:

- a. CODE LETTER D - TYPE 2024-T6 OR T851 ALUMINUM ALLOY BAR PER AMS 4112 OR QQ-A-225/6.
- b. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS 5639 OR QQ-S-763.
- c. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS 5648 OR QQ-S-763.
- d. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS 5645 OR QQ-S-763.
- e. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
- f. CODE LETTER W - TYPE 7075-T73 OR T7351 ALUMINUM ALLOY BAR PER AMS 4124 OR QQ-A-225/9.

3. HEAT TREATMENT: NONE.

4. FINISH

- a. MATERIAL CODE LETTER D - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED GREEN SIMILAR TO COLOR NO. 14187 OF FED-STD-595 AND DUPLEX SEALED.
- b. MATERIAL CODE LETTERS J, K AND R - PASSIVATE PER QQ-P-35, TYPE VI OR VII.
- c. MATERIAL CODE LETTER T - ANODIZE PER AMS 2488 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486 EXCEPT SEE PROCUREMENT SPECIFICATION FOR COLOR MODIFICATION.
- d. MATERIAL CODE LETTER W - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED BROWN SIMILAR TO COLOR NO. 10080 OF FED-STD-595 AND DUPLEX SEALED.

/5/ PROCUREMENT SPECIFICATION: MA2005 (ISO 7169) EXCEPT AS SPECIFIED ON THIS STANDARD. 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.

	AEROSPACE STANDARD		MA2042 SHEET 2 OF 3	REV. A
	(R) FITTING, ADAPTER, PORT CONNECTION TO FLARELESS, METRIC			

 Documents


Documents

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