

REV.  
A

RATIONALE

MA2036A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

MA2036

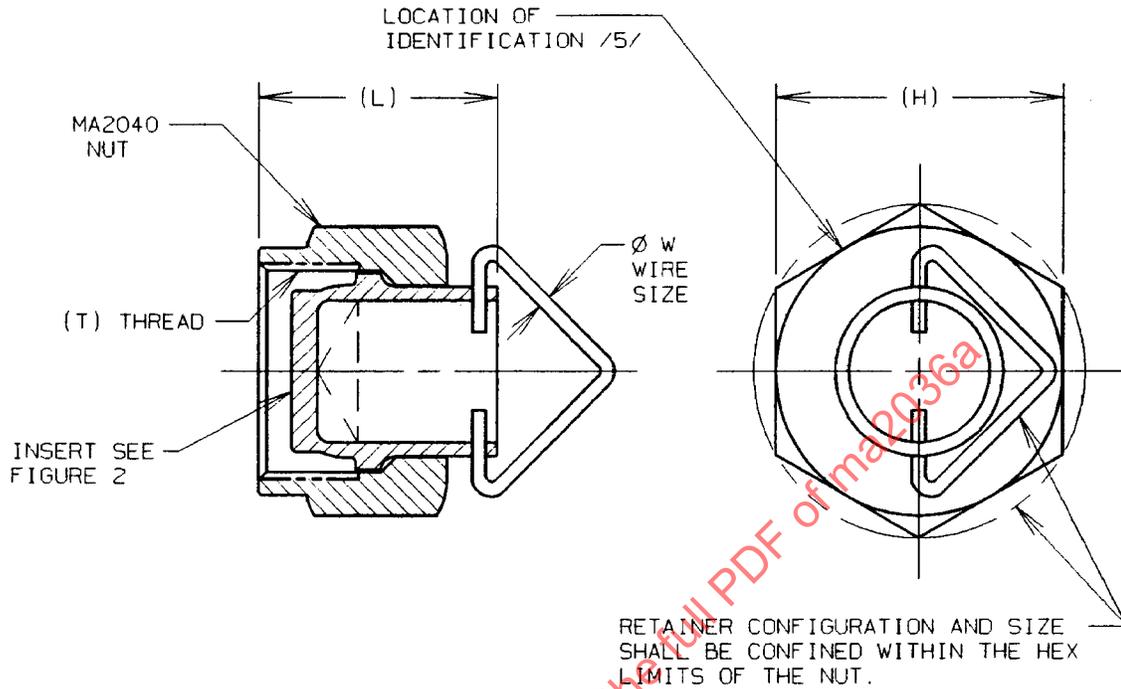


FIGURE 1 - CAP ASSEMBLY

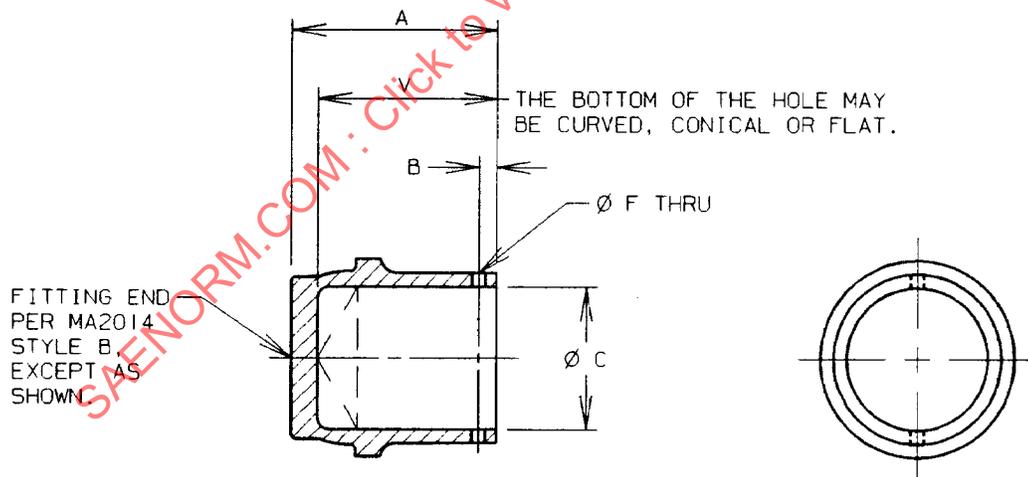
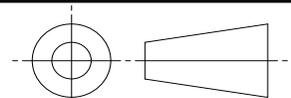


FIGURE 2 - CAP INSERT

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ MA2005 (ISO 7169)



**AEROSPACE STANDARD**

CAP ASSEMBLY, PRESSURE SEAL, FLARELESS TUBE, METRIC

**MA2036**  
SHEET 1 OF 4

**REV. A**

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ISSUED 1986-03 REVISED 1992-12 REAFFIRMED 2015-04

TABLE 1A - DIMENSIONS A-F

BASIC NO. MA2036 /11/ SIZE CODE	(NOMINAL TUBE SIZE DN) /3/	T PER MA1370	A	B ±0.12	C +0.2/-0	F ±0.12
05	05	MJ10 X 1	17.5	1.65	3.4	1.20
06	06	MJ12 X 1.25	17.0	1.65	4.4	1.20
08	08	MJ14 X 1.5	17.5	2.21	6.4	1.20
10	10	MJ16 X 1.5	18.5	2.56	8.0	2.00
12	12	MJ18 X 1.5	19.5	2.56	10.0	2.00
14	14	MJ20 X 1.5	19.5	2.56	12.0	2.00
16	16	NJ22 X 1.5	20.0	2.56	14.0	2.00
20	20	MJ27 X 1.5	23.0	2.56	18.0	2.00
25	25	MJ33 X 1.5	23.0	2.56	23.0	2.35
32	32	MJ42 X 2	25.5	2.56	30.0	2.35
40	40	MJ50 X 2	29.5	2.56	38.0	2.35

TABLE 1B - DIMENSIONS H-W AND WEIGHTS

BASIC NO. MA2036 /11/ SIZE CODE	H	L	V +0/-1	W	KG/EA MAX ALUM	KG/EA MAX CRES	KG/EA MAX TI
05	12	19.5	-	.84	0.00503	0.0139	0.00796
06	14	19.5	-	.84	0.00671	0.0186	0.0106
08	17	21.0	13.7	.84	0.00823	0.0228	0.0130
10	17	22.0	14.7	1.40	0.0114	0.0316	0.0181
12	19	22.0	15.7	1.40	0.0145	0.0403	0.0230
14	22	22.0	15.7	1.40	0.0171	0.0474	0.0271
16	24	22.0	16.2	1.40	0.0211	0.0584	0.0334
20	30	24.0	19.2	1.40	0.0359	0.0994	0.0568
25	41	24.0	19.2	1.68	0.0547	0.152	0.0867
32	46	25.2	21.7	1.68	0.0731	0.203	0.116
40	60	31.5	25.7	1.68	0.157	0.434	0.248

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NOTES:

/1/ MATERIAL:

- a. WIRE ALL CODE LETTERS: CORROSION RESISTANT STEEL TYPE 302 PER ASTM A 493 OR CLASS 305 PER AMS 5685
- b. INSERT AND NUT:
  - (1) NO CODE LETTER (HYPHEN):
    - (a) INSERT: TYPE 1137 STEEL BAR PER ASTM A 108 OR TYPE 4130 STEEL BAR PER MIL-S-6758
    - (b) NUT: NO CODE LETTER OF MA2040 REFERENCE (TYPE 1137 OR 4130 STEEL)
  - (2) CODE LETTER D:
    - (a) INSERT: TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS 4112 OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER QQ-A-225/6.
    - (b) NUT: CODE LETTER D OF MA2040 REFERENCE (TYPE 2024-T6 OR 2024-T851 ALUMINUM ALLOY)
  - (3) CODE LETTER J:
    - (a) INSERT: TYPE 304 CORROSION RESISTANT STEEL BAR PER QQ-S-763, CLASS 304
    - (b) NUT: CODE LETTER J OF MA2040 REFERENCE (TYPE 304 CORROSION RESISTANT STEEL)
  - (4) CODE LETTER K:
    - (a) INSERT: TYPE 316 CORROSION RESISTANT STEEL BAR PER QQ-S-763, CLASS 316
    - (b) NUT: CODE LETTER K OF MA2040 REFERENCE (TYPE 316 CORROSION RESISTANT STEEL)
  - (5) CODE LETTER R:
    - (a) INSERT: TYPE 321 CORROSION RESISTANT STEEL BAR PER QQ-S-763, CLASS 321
    - (b) NUT: CODE LETTER R OF MA2040 REFERENCE (TYPE 321 CORROSION RESISTANT STEEL)
  - (6) CODE LETTER S:
    - (a) (INACTIVE FOR USE): TYPE 347 CORROSION RESISTANT STEEL BAR PER QQ-S-763, CLASS 347
    - (b) NUT: CODE LETTER S OF MA 2040 REFERENCE (TYPE 347 CORROSION RESISTANT STEEL)
  - (7) CODE LETTER T:
    - (a) INSERT: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928
    - (b) NUT: CODE LETTER T OF MA2040 REFERENCE (TYPE 6AL-4V TITANIUM ALLOY)
  - (8) CODE LETTER W:
    - (a) INSERT: TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS 4124
    - (b) NUT: CODE LETTER W OF MA2040 REFERENCE (TYPE 7075-T7351 ALUMINUM ALLOY)
- c. CODE S MATERIAL MAY BE USED UNTIL STOCK IS DEPLETED, CODE R MATERIAL MAY BE SUBSTITUTED WHENEVER CODE S MATERIAL IS SPECIFIED.

2. FINISH:

- a. WIRE, ALL MATERIAL CODE LETTERS: PASSIVATE PER QQ-P-35, TYPE IV OR VIII
- b. INSERT AND NUT:
  - (1) NO MATERIAL CODE LETTER (HYPHEN):
    - (a) INSERT: CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2. DIP IN OIL PER MIL-H-6083 OR MIL-H-46170
    - (b) NUT: NO CODE LETTER OF MA2040 REFERENCE (CADMIUM PLATE AND OIL DIP)
  - (2) MATERIAL CODE LETTERS D AND W:
    - (a) INSERT: ANODIZE PER AMS 2471
    - (b) NUT: CODE LETTERS D AND W OF MA2040 REFERENCE (ANODIZE)

	<b>AEROSPACE STANDARD</b>	<b>MA2036</b> SHEET 3 OF 4	<b>REV.</b> <b>A</b>
	CAP ASSEMBLY, PRESSURE SEAL, FLARELESS TUBE, METRIC		