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REV.
A

MA2076

FEDERAL SUPPLY CLASS
4730

RATIONALE

MA2076A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

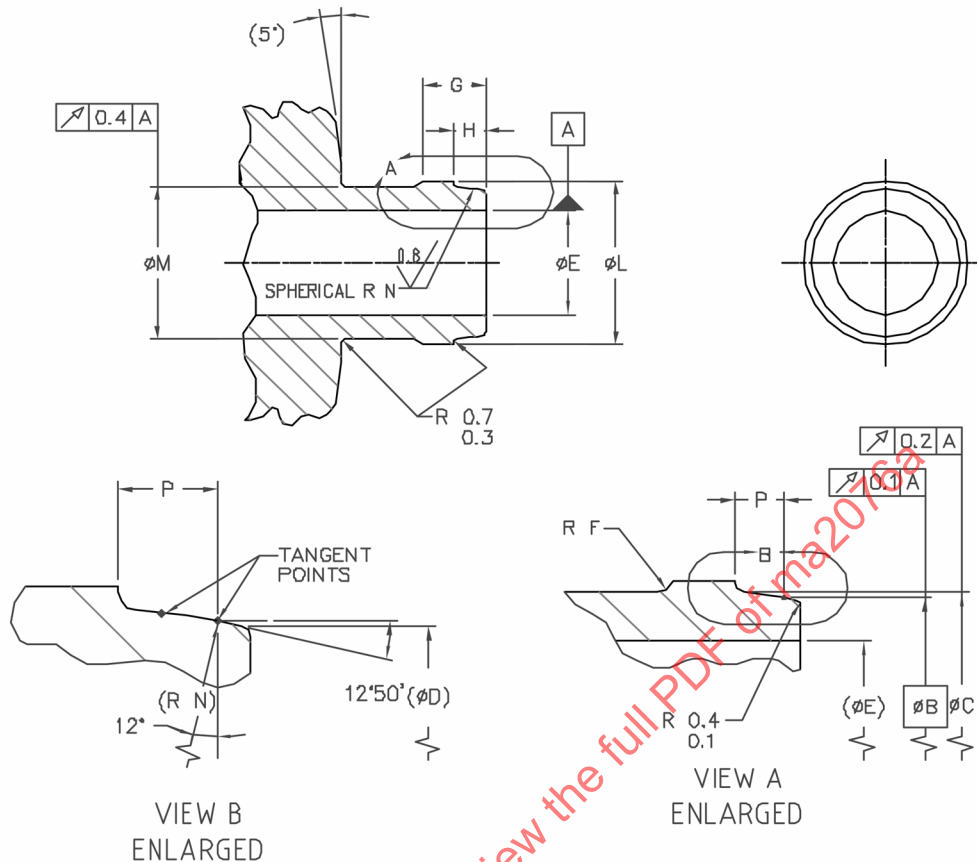


FIGURE 1 – FITTING END, STYLE A
RETAINED WIRE NUT DESIGN

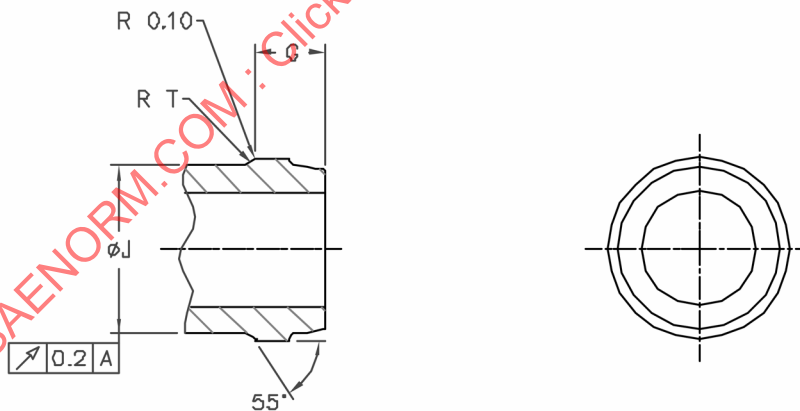
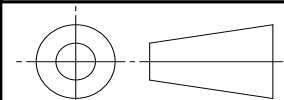


FIGURE 2 – FITTING END, STYLE B
SAME AS STYLE A, EXCEPT AS SHOWN
SLIP ON NUT DESIGN

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/MA2076A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /2/



AEROSPACE STANDARD

(R) FITTING END, ACORN
SHORT FLARELESS,
DESIGN STANDARD, METRIC

MA2076
SHEET 1 OF 3

REV.
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TABLE 1A - DIMENSIONS B - G

BASIC NO. MA2076 /7/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	B	C +0.00 -0.12	D	E ±0.1	F ±0.10	G +0.10 -0.12
06	06	7.50	8.00	7.00	8.00	1.00	8.40
10	10	11.50	12.00	11.80	12.00	1.00	9.00
12	12	13.50	14.40	12.70	14.40	1.30	9.00
16	16	17.50	18.40	14.80	18.40	1.30	9.30
20	20	21.50	22.40	20.80	22.40	1.30	9.30
25	25	26.60	27.50	25.90	27.50	1.30	9.30

TABLE 1B - DIMENSIONS H - T

BASIC NO. MA2076 /7/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	H +0.00 -0.12	J	L	M	N ±0.04	P ±0.12	T +0.25 -0.25
06	06	3.50	7.10	10.00	8.20	3.80	2.70	1.25
10	10	3.50	11.10	14.00	12.00	5.58	2.70	1.25
12	12	4.80	13.10	16.00	13.40	6.87	3.60	1.50
16	16	4.80	17.40	20.00	17.30	8.92	3.60	1.50
20	20	4.80	21.60	24.00	22.30	10.96	3.60	2.25
25	25	4.80	26.60	30.50	28.20	13.57	3.60	2.25

NOTES:

/1/ DN = NOMINAL TUBE DIAMETER

/2/ THIS FITTING IS INTENDED FOR USE IN SYSTEMS WITH OPERATING PRESSURE OF 21,000 kPa. THIS DESIGN STANDARD IS FOR USE WITH FLARELESS FITTING MA2005 (ISO 7169). THIS FITTING END MATES WITH MA2095 FITTING END DESIGN. FITTING ENDS PER STYLE A ARE INTENDED FOR USE WITH MA2074 RETAINED WIRE NUTS OR EQUIVALENT. FITTING ENDS PER STYLE B ARE INTENDED FOR USE WITH MA2040 SLIP ON NUTS OR EQUIVALENT.

3. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1 UNLESS OTHERWISE SPECIFIED, MACHINED SURFACE SHALL BE 3.2 MICROMETERS Ra.

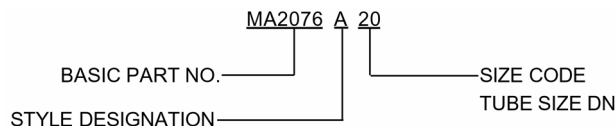
4. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED.

5. DIMENSIONS AND TOLERANCING: ASME Y14.5M-1994.

6. DIMENSIONS IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
TOLERANCES: LINEAR DIMENSIONS ± 0.5 , ANGULAR DIMENSIONS $\pm 0^{\circ}30'$.

/7/ EXAMPLE OF DRAWING CALLOUT:

- a. TABULATED PART DRAWING: FITTING END PER MA2076 STYLE A
b. INDIVIDUAL PART DRAWING:



AEROSPACE STANDARD

(R) FITTING END, ACORN
SHORT FLARELESS,
DESIGN STANDARD, METRIC

MA2076
SHEET 2 OF 3

REV.
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