

RATIONALE

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

REV.
A

MA2076

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

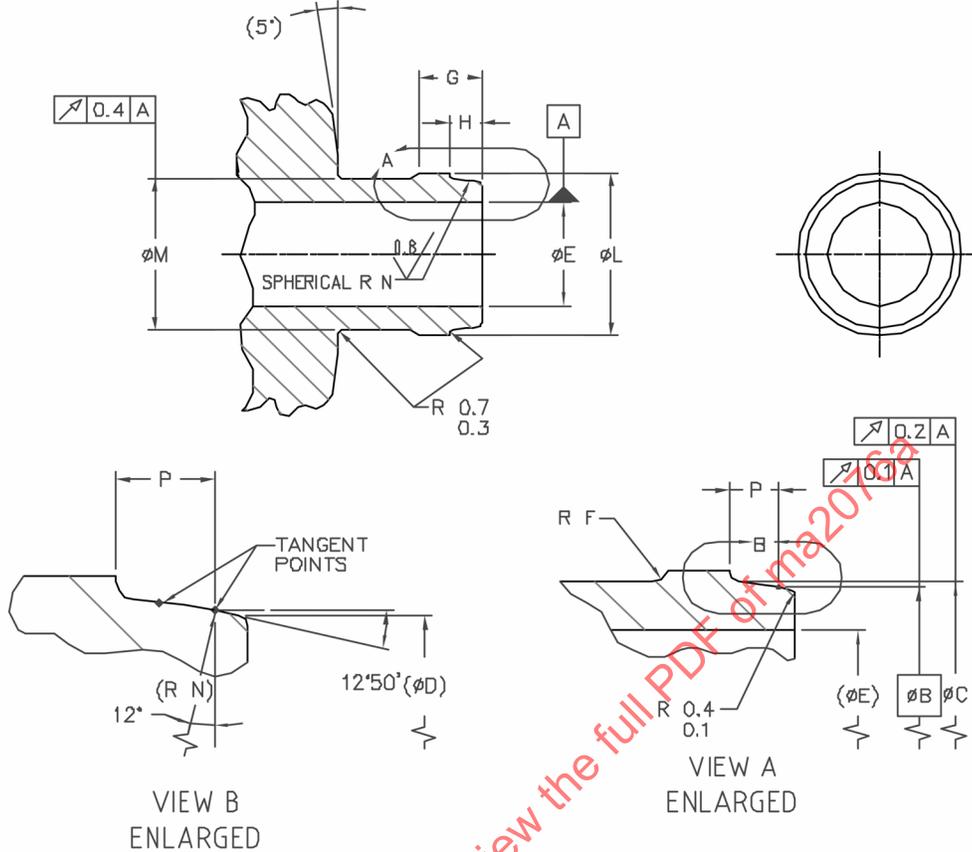


FIGURE 1 – FITTING END, STYLE A
RETAINED WIRE NUT DESIGN

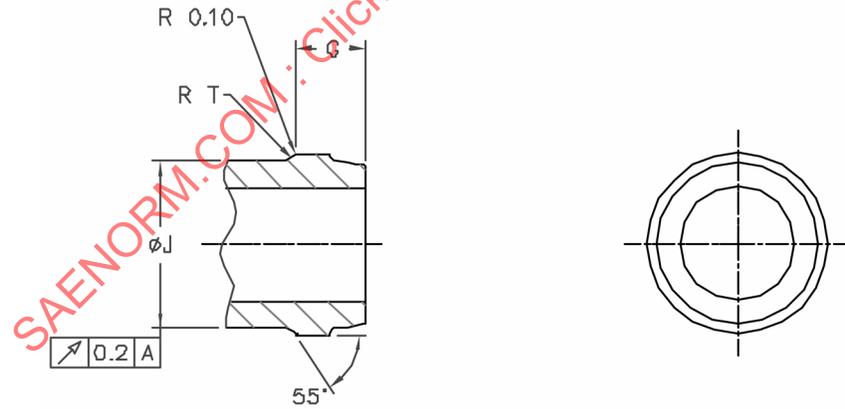
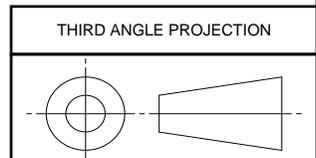


FIGURE 2 – FITTING END, STYLE B
SAME AS STYLE A, EXCEPT AS SHOWN
SLIP ON NUT DESIGN

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



CUSTODIAN: G-3/G-3B PROCUREMENT SPECIFICATION: NONE /2/

	AEROSPACE STANDARD		MA2076 SHEET 1 OF 3	REV. A
	(R) FITTING END, ACORN SHORT FLARELESS, DESIGN STANDARD, METRIC			

ISSUED 1992-10 REVISED 2003-06 REAFFIRMED 2015-04

TABLE 1A - DIMENSIONS B - G

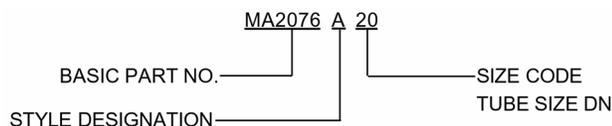
BASIC NO. MA2076 /7/ SIZE CODE	(NOMINAL TUBE SIZE DN) /1/	B	C +0.00 -0.12	D	E ±0.1	F ±0.10	G +0.10 -0.12
06	06	7.50	8.00	7.00	8.00	1.00	8.40
10	10	11.50	12.00	11.80	12.00	1.00	9.00
12	12	13.50	14.40	12.70	14.40	1.30	9.00
16	16	17.50	18.40	14.80	18.40	1.30	9.30
20	20	21.50	22.40	20.80	22.40	1.30	9.30
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
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 ±0°30'.
- /7/ EXAMPLE OF DRAWING CALLOUT:
- TABULATED PART DRAWING: FITTING END PER MA2076 STYLE A
 - INDIVIDUAL PART DRAWING:



	AEROSPACE STANDARD	MA2076 SHEET 2 OF 3	REV. A
	(R) FITTING END, ACORN SHORT FLARELESS, DESIGN STANDARD, METRIC		