

REV.
B

MA2117

RATIONALE

MA2117B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

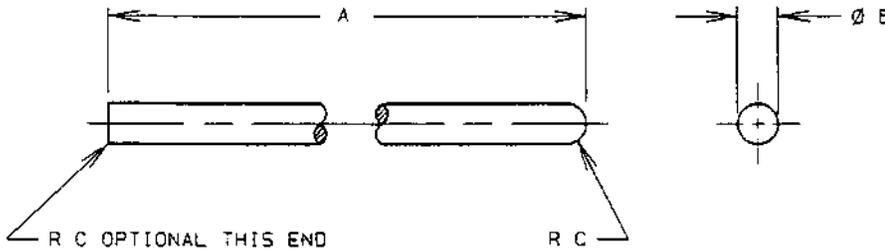


FIGURE 1 - WIRE

(R) TABLE 1 - DIMENSIONS AND WEIGHTS

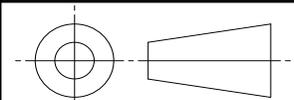
BASIC NO. MA2117	(NOMINAL TUBE SIZE DN)	A	B	C	KG/100 MAX
/13/ SIZE CODE	/3/			±0.1	
05	5	28.1	2.0	0.9	0.0710
06	6	33.6	2.0	0.9	0.0857
08	8	39.1	2.0	0.9	0.0994
10	10	45.4	2.0	0.9	0.116
12	12	51.9	2.5	1.1	0.208
14	14	58.2	2.5	1.1	0.234
16	16	64.5	2.5	1.1	0.258
20	20	80.2	3.0	1.4	0.322
25	25	99.1	3.0	1.4	0.398
32	32	125.8	3.0	1.4	0.732
40	40	151.1	3.5	1.6	1.20

NOTES:

1. MATERIAL:
 - a. TYPE 302 CORROSION RESISTANT STEEL, ANNEALED CONDITION PER ASTM A 493 OR TYPE 305 CORROSION RESISTANT STEEL PER AMS 5685.
2. FINISH:
 - a. PASSIVATE PER QQ-P-35, TYPE VI OR VII. APPLY DRY FILM LUBRICANT PER MIL-L-46010, TYPE 1 ALL OVER.
- 13/ DN = NOMINAL TUBE OUTSIDE DIAMETER.
- 14/ 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. THIS PART IS DESIGNED FOR USE WITH MA2047 SWIVEL NUT AND MA2014 AND MA2076 FITTING ENDS IN SYSTEMS AT TYPE II TEMPERATURE (-55 TO 135 °C) WITH OPERATING PRESSURES AS FOLLOWS:
 - a. ALL SIZES TITANIUM ALLOY AND CORROSION RESISTANT STEEL AND SIZES -05 THROUGH -20 ALUMINUM ALLOY AT CLASS E (21 000 kPa).
 - b. SIZES -25 AND -32 ALUMINUM ALLOY AT CLASS B (10 500 kPa).
 - c. SIZE -40 ALUMINUM ALLOY AT CLASS A (4000 kPa).
 - d. TYPE AND CLASSES PER MA2001 (ISO 6771).
6. THE (R) IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS SPECIFICATION. IF THE SYMBOL IS NEXT TO THE SPECIFICATION TITLE, IT INDICATES A COMPLETE REVISION OF THE SPECIFICATION.
7. INVENTORIED PARTS CONFORMING TO THE PREVIOUS "LETTER CHANGE" OF THIS STANDARD SHALL NOT BE USED AS OF THE DATE OF THIS REVISION.
8. INTERPRETATION OF DRAWING PER MAP4296.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/MA2117B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ MA2005 (ISO 7169)



AEROSPACE STANDARD

WIRE, RETAINER, SWIVEL,
METRIC

MA2117
SHEET 1 OF 2

REV.
B

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.

ISSUED 1987-02 REVISED 1996-04 REAFFIRMED 2015-04