

INCH-POUND

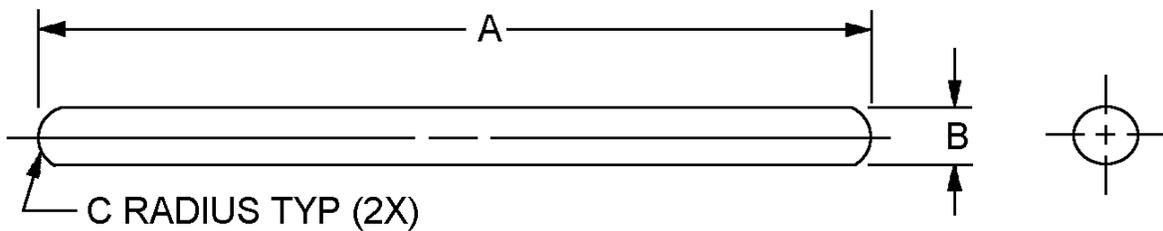
MS27238B
14 May 2007
SUPERSEDING
MS27238A
22 September 2000

DETAIL SPECIFICATION SHEET

WIRE, NUT RETAINING, DESIGNED FOR ADAPTER,
HOSE TO TUBE, REUSABLE, HYDRAULIC, FUEL AND OIL LINES

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-5070.



Dash number	A ±.015 (0.38) inch (mm)	B inch (mm)	C inch (mm)
-4	1.203 (30.56)	.072 (1.83) .067 (1.70)	.036 (.91) .016 (.41)
-5	1.438 (36.53)	.080 (2.03)	.040 (1.02)
-6	1.625 (41.28)	.076 (1.93)	.020 (.51)
-8	2.031 (51.59)	.095 (2.41)	.047 (1.19)
-10	2.391 (60.73)	.091 (2.31)	.027 (.69)
-12	2.938 (74.63)	.125 (3.18) .121 (3.07)	.060 (1.52) .040 (1.02)
-16	3.703 (94.06)		
-20	4.688 (119.08)		
-24	5.469 (138.91)		
-32	7.453 (189.31)		

FIGURE 1. Wire dimensions and configuration.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Wire shall be straight within .020 inch (0.51 mm) total indicator reading.
4. Unless otherwise specified, maximum surface roughness shall be 125 μin R_a in accordance with ASME B46.1.
5. Wire shall be free from scale, burrs, and slivers.

FIGURE 1. Wire dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configurations: The design, construction, and physical dimensions shall be in accordance with MIL-DTL-5070 and figure 1 in case of conflict between this drawing and MIL-DTL-5070, this drawing shall govern.

Intended use. This wire is to be used with MS27223 and MS27225. This item shall not be procured for stocking purposes.

Materials: Materials shall be in accordance with MIL-DTL-5070.

Finish: Finish in accordance with MIL-DTL-5070.

Color identification: Color identification shall be in accordance with MIL-DTL-5070.

Part or Identifying Number (PIN) example:

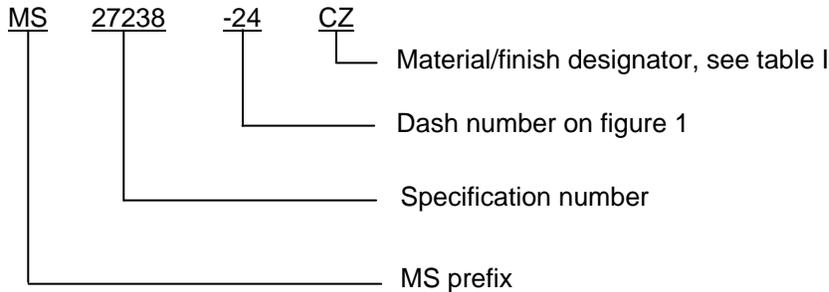


TABLE I. Code for material and finish.

Code	Dash size	Material/finish
CC	-4 through -6	Carbon Steel - cadmium plating
CZ	-4 through -6	Carbon steel - zinc plating
SS	-4 through -6	Corrosion resistant steel - N/A
AA	-8 through -32	Aluminum - anodic coating
TA	-4 through -32	Titanium - anodized or fluoride phosphated.

To the users of this document, it is recommended that the use of carbon steel material with cadmium plating be used only when the other materials and finishes specified in this document cannot meet performance requirements.

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Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-5070, this document references the following:

MS27223
MS27225
ASME B46.1

CONCLUDING MATERIAL

Custodians:

Army - AT
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2005-056)

Review activities:

Army - AV
Navy - MC, SA
Air Force - 11, 70, 71

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.