

INCH-POUND

MIL-DTL-70337/1A
31 July 2015
SUPERSEDING
MIL-R-70337/1
15 January 1988

DETAIL SPECIFICATION SHEET

RING, RETAINING, ROUND SECTION, EXTERNAL, CLOSED TYPE

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 procurement specification MIL-DTL-70337.

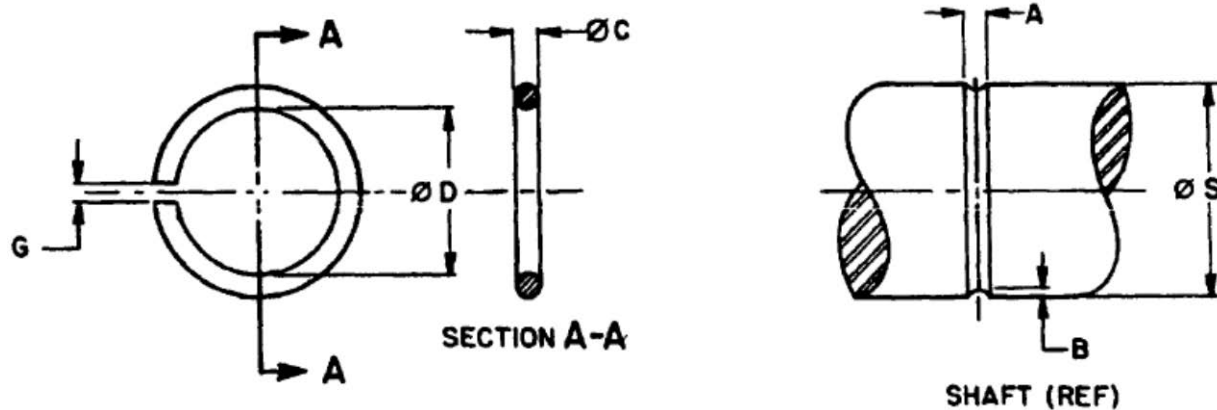


FIGURE 1. RING, RETAINING, ROUND SECTION, EXTERNAL, CLOSED TYPE.

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REQUIREMENTS:

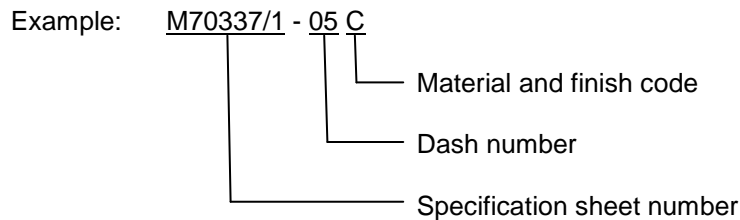
1. Material and finish:

- a. Carbon steel, cadmium plated or ZnNi plated (see MIL-DTL-70337).
- b. Corrosion resistant steel, cleaned, descaled and passivated (see MIL-DTL-70337).

2. Material and finish code:

- "C" - Corrosion resistant steel, cleaned, descaled and passivated.
 "D" - Carbon steel, cadmium or ZnNi plated.

3. Part number: The part number consists of the letter "M", the basic number of this specification sheet, and a dash number taken from Table I and followed by a material and finish code letter.



M70337/1-05C indicates - Ring, Retaining, Round Section, External, Closed Type; .230 ring, inside diameter; .029 wire diameter; corrosion resistant steel, cleaned, descaled and passivated, for a .250 inch diameter shaft.

M70337/1-10D indicates - Ring, Retaining, Round Section, External, Closed Type; .412 ring, inside diameter; .035 wire diameter; carbon steel, cadmium or ZnNi plated, for a .438 inch diameter shaft.

4. Workmanship: Retaining rings shall be free of burrs.

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TABLE I. Dash Numbers and Dimensions.

Dash Number	Ø S Shaft Nominal (Ref)	Ø D Ring		Ø C Wire		G Gap	Groove	
		ID	Tol	OD	Tol		A Width (Ref)	B Depth (Ref)
01	.125	.110	+ .000 - .007	.022	±.002	<u>1/</u>	.021	.007
02	.156	.140	+ .000 - .008	.022			.021	.007
03	.188	.172	+ .000 - .010	.022			.021	.007
04	.219	.202	+ .000 - .012	.022			.021	.007
05	.250	.230	+ .000 - .014	.029			.027	.009
06	.312	.296	+ .000 - .018	.022			.021	.007
07	.312	.288	+ .000 - .017	.035			.033	.011
08	.375	.353	+ .000 - .021	.029			.027	.009
09	.375	.345	+ .000 - .021	.043			.040	.013
10	.438	.412	+ .000 - .021	.035			.033	.011
11	.438	.402	+ .000 - .020	.051			.048	.016
12	.500	.458	+ .000 - .023	.059			.055	.018
13	.625	.587	+ .000 - .029	.051			.048	.016
14	.688	.637	+ .000 - .032	.071			.066	.022
15	.750	.706	+ .000 - .035	.059			.055	.018
16	.812	.769	+ .000 - .039	.059			.055	.018
17	.875	.804	+ .000 - .040	.100			.093	.031
18	1.000	.917	+ .000 - .046	.118			.110	.037

1/ A gap shall be formed with the two ring ends approximately 1/2 wire diameter apart or close enough to prevent tangles or interlocking of rings.

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NOTES:

1. All dimensions are in inches.
2. 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.

MILITARY INTEREST

Custodians:

Army - AR
Navy - OS
Air Force - 99

Preparing activity:

DLA - IS

(Project 5325-2015-005)

Review activities:

Army - AT, CR, CR4, GL, MI
Navy - SH
Air Force - 71
Other - NS

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 <https://assist.dla.mil>.