

MIL-R-70337/1  
15 January 1988

MILITARY 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 retaining rings described herein  
shall consist of this specification and the latest issue of MIL-R-70337.

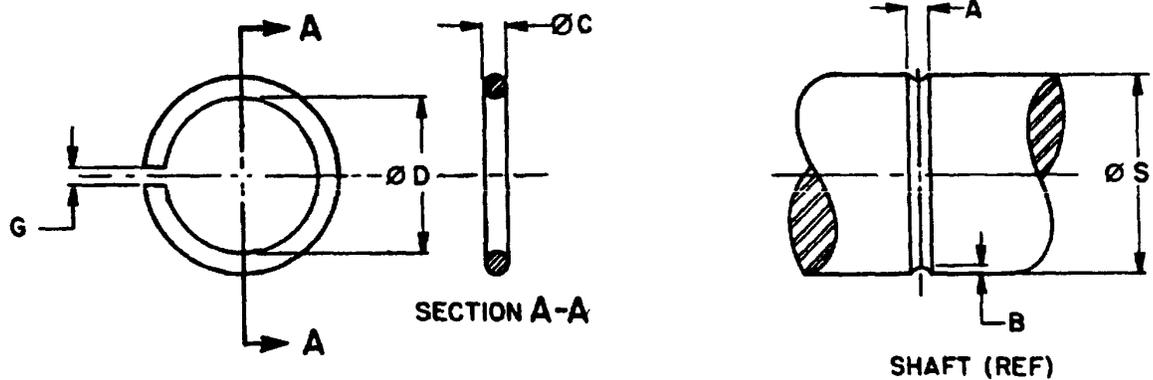


FIGURE 1. RING, RETAINING, ROUND SECTION,  
EXTERNAL, CLOSED TYPE.

NOTES:

1. All dimensions are in inches.

AMSC N/A

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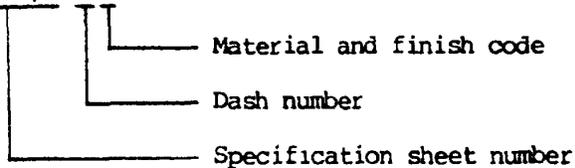
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## REQUIREMENTS:

1. Material and finish:
  - a. Carbon steel, cadmium plated.
  - b. Corrosion resistant steel, cleaned, descaled and passivated.
2. Material and finish code:

"C" - Corrosion resistant steel, cleaned, descaled and passivated.  
"D" - Carbon steel, cadmium 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 followed by a material and finish code letter.

EXAMPLE: M70337/1-05C



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 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	+0.000 -0.007	.022	±.002	1/	.021	.007
02	.156	.140	+0.000 -0.008	.022			.021	.007
03	.188	.172	+0.000 -0.010	.022			.021	.007
04	.219	.202	+0.000 -0.012	.022			.021	.007
05	.250	.230	+0.000 -0.014	.029			.027	.009
06	.312	.296	+0.000 -0.018	.022			.021	.007
07	.312	.288	+0.000 -0.017	.035			.033	.011
08	.375	.353	+0.000 -0.021	.029			.027	.009
09	.375	.345	+0.000 -0.021	.043			.040	.013
10	.438	.412	+0.000 -0.021	.035			.033	.011
11	.438	.402	+0.000 -0.020	.051			.048	.016
12	.500	.458	+0.000 -0.023	.059			.055	.018
13	.625	.587	+0.000 -0.029	.051			.048	.016
14	.688	.637	+0.000 -0.032	.071			.066	.022
15	.750	.706	+0.000 -0.035	.059			.055	.018
16	.812	.769	+0.000 -0.039	.059			.055	.018
17	.875	.804	+0.000 -0.040	.100			.093	.031
18	1.000	.917	+0.000 -0.046	.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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Custodians:

Army - AR  
Air Force - 99

Review Activities:

Army - AT, ER, GL, MI  
Air Force - 82  
DLA - IS

User Activities:

Army - ME  
Navy - OS, SH  
NSA - NS

Civil Agencies Coordinating Activities:

GSA - FSS

Preparing Activity:

Army - AR

Agent:

DLA - IS

(Project 5365-0119)

**NOTICE  
OF VALIDATION**

**INCH-POUND**

**MIL-R-70337/1  
NOTICE 1  
9 May 1996**

**MILITARY SPECIFICATION**

**RING, RETAINING, ROUND SECTION,  
EXTERNAL, CLOSED TYPE**

**MIL-R-70337/1, dated 15 January 1988, has been reviewed and  
determined to be valid for use in acquisition.**

**Preparing activity:  
DLA-IS**

**AMSC N/A**

**FSC 5365**

**DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.**