

INCH-POUND

MS24697A  
14 July 2005  
SUPERSEDING  
MS24697  
13 October 1960

## DETAIL SPECIFICATION SHEET

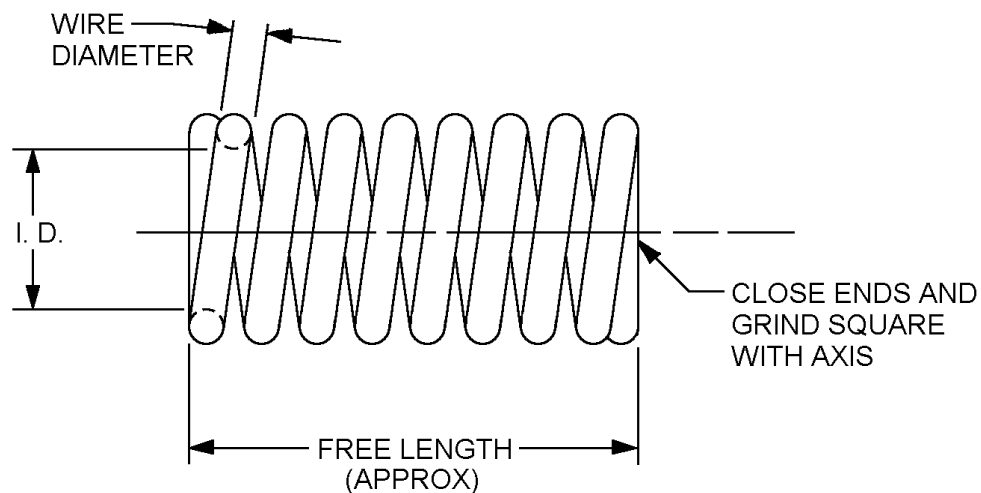
RETAINER, CONNECTOR,  
RACK AND PANEL, MINIATURE

Inactive for new design after 8 June 1999.

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-26518.

The Qualified Products List (QPL) associated with this inactive for new design specification will be maintained until acquisition of the product is no longer required, where upon the specification and QPL will be canceled.



## NOTES:

1. All dimensions in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified tolerances are  $\pm 0.005$  inches (0.13 mm).

FIGURE 1. Spring loaded mounting assembly.

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## REQUIREMENTS:

Dimensions and configuration see figure 1.

Material: Stainless steel spring wire type 631 in accordance with ASTM A313 UNS designator S17700.

No permanent set allowable at solid length, spring must withstand 260°C (500°F) continuously.

Part or identifying number (PIN):

MS PIN	Total coils	Active coils	I.D. +.010 (inches)	Wire Dia. (inches)	Approximate free length (inches)	Spring rate per inch	LBS load at .550 inch
MS24697-1	8 ½	6 ½	.233	.047	.755	47 lbs	9.9 ±5%
MS24697-2	10	8	.230	.040	.875	23 lbs	7.6 ±5%
MS24697-3	11	9	.235	.035	.945	12 lbs	4.8 ±5%

Part or identifying number (PIN) (metric): 1/

MS PIN	Total coils	Active coils	I.D. +0.25 (mm)	Wire Dia. (mm)	Approximate free length (mm)	Spring rate per 25.4 mm	kg load at 13.97 mm
MS24697-1	8 ½	6 ½	5.92	1.19	19.17	21.32 kg	4.49 ±5%
MS24697-2	10	8	5.84	1.02	22.23	10.43 kg	3.45 ±5%
MS24697-3	11	9	5.97	0.89	24.00	5.44 kg	2.18 ±5%

1/ Metric equivalents are given for general information only.

Referenced documents: In addition to MIL-DTL-26518 this document references the following:

ASTM A313

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.

## CONCLUDING MATERIAL

Custodians:  
Air Force - 11  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5935-4704-000)

Review activities:  
DLA - IS

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>.