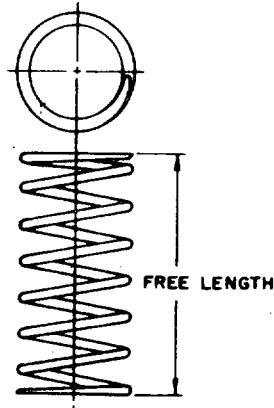


FED. SUP CLASS  
2590

## SPRING SPECIFICATION

DIAMETER OF WIRE \_\_\_\_\_ IN. .095  
 DIAMETER OF COIL \_\_\_\_\_ INSIDE 29/32  $\pm$  1/32  
 FREE LENGTH \_\_\_\_\_ IN. 2.360  $\pm$  .020  
 ACTIVE COILS \_\_\_\_\_ REF. 6-1/4  
 TOTAL COILS \_\_\_\_\_ REF. 7-1/2  
 DIRECTION OF HELIX \_\_\_\_\_ OPTIONAL  
 LOAD AT COMPRESSED LENGTH OF 1-1/32 IN. \_\_\_\_\_ = 16 LB.  $\pm$  1-1/2 LB.  
 SPRING RATE \_\_\_\_\_ REF. 12 LB./IN.  
 SOLID LENGTH \_\_\_\_\_ IN. MAX. 13/16  
 TYPE OF ENDS \_\_\_\_\_ CLOSED ENDS GROUND  
 SQUARENESS OF ENDS IN FREE POSITION WITHIN 3°

THIS SPRING IS PART OF VALVE ASSEMBLIES MS 51342, MS 51345, AND MS 51348.

## NOTES:

1. MATERIAL: WIRE, STEEL, HIGH CARBON, SPRING, BRIGHT, MUSIC, SPEC. QQ-W-470.
2. FINISH: CADMIUM PLATE, IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.
3. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES  $\pm$  1/32 ON FRACTIONS,  $\pm$  .020 ON DECIMALS.
4. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.
5. MARKING SHALL CONSIST OF THE MS PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

(A) ALL NOTES REVISED

MS PART NO.  
MS 51350 -1

P.A. ARMY - AT Other Cust	TITLE <b>SPRING-VALVE ASSEMBLY, POPPET, HULL DRAIN</b>	<b>MILITARY STANDARD</b> <b>MS 51350 (AT)</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	SHEET 1 OF 1

This standard has been approved by the U. S. Army Tank-Automotive Command, Department of the Army, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

DD FORM 672-1 (Limited Coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 9 JANUARY 1961 REVISED (A) 18 OCTOBER 1966