

NOTES:

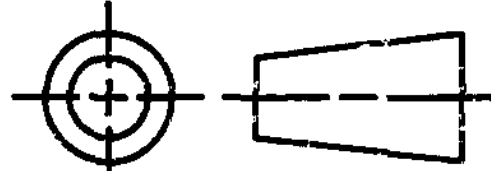
- HOLE DIA INTO WHICH SPRING FITS
FREELY .125 DIA MIN.
- HEAT TREATMENT: STRESS RELIEVE
AT 435°±10°F FOR 30 MINUTES
AFTER COILING.
- FINAL PROTECTIVE FINISH: FINISH
3.3.1 OF MIL-STD-171 WITH VV-L-800
SUPPLEMENTARY OIL TREATMENT.
- APPLICATION, USED ON:
7791576-MG CAL .50: M2 HB FLEX, FXD
5564906-MG CAL .30: M1919A4 FLEX
MG CAL .30: M1919A6
7162946-MG CAL .30: M37
6535423-BAR CAL .30: M1918A2
12003047-MG CAL .50: M2 HB FLEX, FXD
9349997-MG 5.56MM: M249**
- MANUFACTURE IN ACCORDANCE WITH MIL-
S-13572, TYPE I, GRADE B, EXCEPT THAT
PARAGRAPH 4.4.4.1 (PROCEDURE FOR
REMOVING SET) SHALL NOT APPLY. PARA.
4.4.4 (LOAD TEST) SHALL APPLY AFTER
SPRING HAS BEEN COMPRESSED SOLID
FIVE (5) TIMES.
- MATERIAL: WIRE, MUSIC, STEEL,
ASTM A228.
- APPLICABLE STANDARDS/SPECIFICATIONS:
A. DOD-STD-00100D(AR)
B. ANSI Y14.5M-1982

WIRE DIAMETER ----- .018
COIL DIAMETER(O.D.) ----- .119-.004
FREE LENGTH ----- .38 REF
TOTAL COILS ----- 10.5 TOTAL REF.
DIRECTION OF HELIX ----- R.H.
LOAD AT COMPRESSED LENGTH OF .250 ----- 2.16 LB±.22 LB
LOAD AT COMPRESSED LENGTH OF .206 ----- 2.89 LB±.29 LB
SPRING RATE ----- 16.6 LB/IN REF
SOLID LENGTH ----- .192 MAX
TYPE OF ENDS ----- OPEN ENDS GROUND

**(USED WITH PLUNGER-9350010)
(USED WITH PLUNGER-5013155)

CURRENT DESIGN ACTIVITY CASE CODE 19200
U.S. ARMY
ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
PICATINNY ARSENAL, NEW JERSEY 07806-5000

PART NO. 5013154

PMIC			DO NOT SCALE DRAWING	CONTRACT NUMBER		DESIGN ACTIVITY			
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CONTRACTOR		SPRINGFIELD ARMORY, SPRINGFIELD, MA			
MECHANICAL PROPERTIES			TOLERANCES ON DECIMAL FRACTION	DRAWN BY KKH		DATE(YR-MO-DA) 29-05-01		SPRING, HELICAL COMPRESSION	
YP			2 PL *	CHECKER DWM		ENGINEER J.B.			
TS			3 PL *	DRAWING APPROVAL W.M.GIBSON		SIZE C CAGE CODE 19205			
EL2			THIRD ANGLE PROJECTION 	DESIGN APPROVAL A.A.COLE		5013154			
RA	SEE NOTE 4	SEE NOTE 4				SCALE		UNIT WT.	SHEET
BH	NEXT ASSY	USED ON	MATL ENGR						
RH	APPLICATION								