

5

4

3

2

1

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
H	NOR 64S4056 941019	950303	HJS

NOTES:

1. HEAT TREATMENT: AFTER COILING STRESS RELIEVE AT 435°F ± 10°F FOR 30 MINUTES.

2. FINAL PROTECTIVE FINISH: FINISH 3.3.1 OF MIL-STD-171, WITH MIL-L-3150 SUPPLEMENTARY OIL TREATMENT.

3. MANUFACTURE IN ACCORDANCE WITH MIL-S-13572, TYPE I, GRADE B, EXCEPT THAT PARA 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.

WIRE DIAMETER .039
COIL DIAMETER I O D 1.190 ± .005
FREE LENGTH .735 REF
TOTAL COILS 10 1/2 REF
DIRECTION OF HELIX R H
LOAD AT COMPRESSED LENGTH OF .625 11.18 LB ± 1.12 LB
LOAD AT COMPRESSED LENGTH OF .477 26.23 LB ± 2.62 LB
SPRING RATE 101.7 LB/IN REF
SOLID LENGTH .420 MAX
TYPE OF ENDS OPEN ENDS GROUND
SPRING FUNCTIONS IN HOLE .202 DIA MIN

DISTRIBUTION STATEMENT A.
APPROVED FOR PUBLIC RELEASE;
DISTRIBUTION IS UNLIMITED.

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

PART NO. 5013693

BPRINGFIELD ARMORY,
BPRINGFIELD, MA

SPRING, HELICAL
COMPRESSION

MECHANICAL PROPERTIES	MGCAL. 30 M2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DATE 1 MAY 34
YP	HB(FLEX)	TOLERANCES ON DECIMALS ±	DRAFTSMAN RCB
TS	F 11010439 AC BASIC	FRACTIONS ± ANGLES ±	CHECKER FCL
EL 2		MATERIAL: WIRE, MUSIC, STEEL, SPEC ASTM A228 EXCEPT THAT MAXIMUM TENSILE STRENGTH SHALL NOT APPLY.	TRACER B.A.M.
RA	NEXT ASSY USED ON	HEAT TREATMENT SEE NOTE 1	CHECKER A.G.
BH	APPLICATION	FINAL PROTECTIVE FINISH SEE NOTE 2	ENGINEER
RH			SUBMITTED P.E. SULLIVAN
			APPROVED N.W. GRANT

DWG SIZE	CODE IDENT NO.
B	19205
SCALE	UNIT WT
	5013693