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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B		8 NOV 63	
C	REDRAWN & REVISED SEE EO SA 27441	2 NOV 64	<i>[Signature]</i>
D	(1) SEE EO SA 29262	18 MAY 66	<i>[Signature]</i>
E	(1-2) SEE EO 82048	11 MAR 68	<i>[Signature]</i>
F	(1) SEE EO HRD 92078-2	25 JUN 69	<i>[Signature]</i>
G	SEE EO HRD 02138	71 FEB 25	<i>[Signature]</i>
H	(3) SEE ERR HQR 40681	10 FEB 75	<i>[Signature]</i>
J	NOR W852022/79-03-26	79-04-01	SA 6 <i>[Signature]</i>
K	NORW4S201 / 840824 (ECPW552069 / 851223)	860121	<i>[Signature]</i>

WIRE DIAMETER	-----	.0300	± .0005
COIL DIAMETER (O.D.)	-----	.2375	± .0025
FREE LENGTH	-----	.680	REF
TOTAL COILS	-----	9	REF
DIRECTION OF HELIX	-----		OPTIONAL
LOAD AT COMPRESSED LENGTH OF .410	-----	4.40	LB ± .44 LB
LOAD AT COMPRESSED LENGTH OF .310	-----	6.10	LB ± .61 LB
SPRING RATE	-----	16.40	LB/IN REF
SOLID LENGTH	-----	.275	MAX
TYPE OF ENDS	-----		OPEN ENDS GROUND
MANUFACTURE IN ACCORDANCE WITH MIL-S-13572, TYPE I, GRADE A.			

NOTES:

1. HOLE DIA INTO WHICH SPRING FITS FREELY .245 MIN.
2. ROD DIA OVER WHICH SPRING SLIDES FREELY .140 MAX.
3. HEAT TREATMENT: STRESS RELIEVE AT 425 °F. TO 445 °F. FOR 30 MIN, AFTER COILING.
4. FINAL PROTECTIVE FINISH: FINISH 3.3.1 OF MIL-STD-171 WITH SUPPLEMENTARY PRESERVATIVE CONFORMING TO SPEC VV-L-800.
5. LOAD REQUIREMENTS SHALL APPLY AFTER SPRING HAS BEEN COMPRESSED TO SOLID LENGTH 3 TIMES.

CURRENT DESIGN ACTIVITY FSCM NO 19200
U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER
DOVER, NEW JERSEY 07801

ORIGINAL FSCM NO.19205

(USED WITH PLUNGER, BUTT PLATE - 7790698) (DI)

PART NO. 7790699

MECHANICAL PROPERTIES				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE SEP 59 OF DRAWING		SPRING COMMAND					
YP				TOLERANCES ON DECIMALS ± FRACTIONS ± ANGLES ±		DRAFTSMAN J.P.	CHECKER G.V.S.	SPRING COMMAND					
TS		RIFLE, M1MM				TRACER TMS	CHECKER WHS	SPRING, HELICAL, COMPRESSION					
EL 2		RIFLE, M14				ENGINEER P.A. Subramanian	ENGINEER P.A. Subramanian						
RA				MATERIAL : STEEL WIRE, SPEC QQ-W-470		SUBMITTED P.A. Subramanian							
BH		NEXT ASSY	USED ON	HEAT TREATMENT SEE NOTE 3		APPROVED P.A. Subramanian		CODE IDENT NO. DWG SIZE					
RH		APPLICATION		FINAL PROTECTIVE FINISH SEE NOTE 4		APPROVED P.A. Subramanian		19204 B		7790699			
		DO NOT	APPLY PART NO					SCALE UNIT WT SHEET OF					
		DO	AS SPECIFIED										

SWESP Form 467
6 MAR 63