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REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A		11 OCT 63	
B	REDRAWN & REVISED SEE EO SA27441	2 NOV 64	<i>Handwritten signature</i>
C	(1) SEE EO SA2962	18 MAY 66	<i>Handwritten signature</i>
D	(1-2) SEE EO 82048	11 MAR 68	<i>Handwritten signature</i>
E	(1) SEE EO HRD 92078-2	25 JUN 69	<i>Handwritten signature</i>
F	SEE EO HRD 02138	17 FEB 25	<i>Handwritten signature</i>
G	(3) SEE ERR HOR 40681	10 FEB 75	<i>Handwritten signature</i>
H	NOR W852022/79-03-26	19-04-01	<i>Handwritten signature</i>
J	NOR W452051/840824 (ECP W552069 / 7851223)	86 0121	<i>Handwritten signature</i>

WIRE DIAMETER	-----	.0450	±.0005
COIL DIAMETER ( O.D. )	-----	.230	±.005
FREE LENGTH	-----	.61	REF
TOTAL COILS	-----	9	REF
DIRECTION OF HELIX	-----		OPTIONAL
LOAD AT COMPRESSED LENGTH OF .558	-----	7	LB± 1 LB
LOAD AT COMPRESSED LENGTH OF .460	-----	20	LB± 3 LB
SPRING RATE	-----	133	LB/IN REF
SOLID LENGTH	-----	.43	MAX
TYPE OF ENDS	-----		CLOSED ENDS GROUND
MANUFACTURE IN ACCORDANCE WITH MIL-S-13572, TYPE I, GRADE A.			

NOTES:

1. HOLE DIA INTO WHICH SPRING FITS FREELY .240 MIN.
2. ROD DIA OVER WHICH SPRING SLIDES FREELY .132 MAX.
3. HEAT TREATMENT: STRESS RELIEVE AT 425 °F. TO 445 °F. FOR 30 MIN, AFTER COILING.
4. LOAD REQUIREMENTS SHALL APPLY AFTER SPRING HAS BEEN COMPRESSED TO SOLID LENGTH 3 TIMES.

ORIGINAL FSCM NO.19205

U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER  
DOVER, NEW JERSEY 07801

(USED WITH CONNECTOR - 7790425 AND 8448492)

PART NO. 7790427

MECHANICAL PROPERTIES		C 9448493		RIFLE, M14MM		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING		1 APR 59		<del>SECRET</del> <del>CONFIDENTIAL</del> <del>RESTRICTED</del> <del>SECRET</del>	
YP		C 7790424		RIFLE, M14		TOLERANCES ON DECIMALS $\pm$ FRACTIONS $\pm$ ANGLES $\pm$		DRAFTSMAN E.P.S.		CHECKER P.R.L.		<b>SPRING, HELICAL, COMPRESSION</b>	
TS						MATERIAL: STEEL WIRE, SPEC QQ-W-470		TRACER MS		CHECKER WHS			
EL 2						HEAT TREATMENT SEE NOTE 3		ENGINEER M. S. Smith		ENGINEER W. H. Smith			
RA						FINAL PROTECTIVE FINISH LUB OIL, SPEC VV-L-800		SUBMITTER R. L. Henry		APPROVED W. H. Smith			
BH		NEXT ASSY		USED ON								CODE IDENT NO. <del>19204</del>	
RH		APPLICATION										DWG SIZE B	
		DO NOT		APPLY PART NO								7790427	
		AS SPECIFIED										SCALE UNIT WT SHEET OF	

SWESP Form 467  
6 MAR 63