

[illegible]

REVISONS			
SYM	DESCRIPTION	DATE	APPROVAL
C		28 SEP 60	
D	REDRAWN AND REVISED SEE EO SA27441	2 NOV 64	<i>P. H. H.</i>
E	(1) SEE EO SA 23262	18 MAY 66	<i>W. J. H.</i>
F	(1-2) SEE EO 82048	11 MAR 68	<i>W. J. H.</i>
G	(1) SEE EO HRD 92078-2	25 JUN 69	<i>W. J. H.</i>
H	SEE EO HRD 02138	71 FEB 25	<i>W. J. H.</i>
J	SEE ERR HRD 40681	10 FEB 75	<i>W. J. H.</i>
K	NOR W852022/79-03-26	79-04-01	<i>SA R. H. H.</i>
L	NORW452051/840824 FCPW552069 / 851223	860121	<i>X</i>

WIRE DIAMETER	-----	.0410	± .0005
COIL DIAMETER (O.D.)	-----	.240	± .005
FREE LENGTH	-----	.69	REF
TOTAL COILS	-----	9	REF
DIRECTION OF HELIX	-----	R	H
LOAD AT COMPRESSED LENGTH OF .47	-----	17.5	LB ± 2 LB
LOAD AT COMPRESSED LENGTH OF .42	-----	21.5	LB ± 3 LB
SPRING RATE	-----	80	LB/IN REF
SOLID LENGTH	-----	.380	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 .257 MIN.
2. ROD DIA OVER WHICH SPRING SLIDES FREELY 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

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

PART NO. 5013747

		(USED WITH PLATE ASSY, BUTT 7790700 AND PLATE, BUTT, HINGED, ASSY 7313114)		PART NO. 5013747 <small> WORK OF THE ARMY ROCK ISLAND ARSENAL ROCK ISLAND, ILL. 61201 </small>	
MECHANICAL PROPERTIES		D7790686 C7313114	RIFLE, M14 308ARM1918 A2	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DATE OF DRAWING 21 FEB 35
YP				TOLERANCES ON FRACTIONS \pm DECIMALS \pm	DRAFTSMAN B.S.K.
TS				ANGLES \pm	CHECKER A.A.C.
EL 2				MATERIAL: STEEL, WIRE, SPEC QQ-W-470	TRACER ENGINEER 1.25 Solidworks SUBMITTER R.S. Henry
RA				HEAT TREATMENT SEE NOTE 3	CHECKER W.H.S. ENGINEER R.S. Henry
NEXT ASSY USED ON APPLICATION				APPROVED V.A. Gunderson	CODE-TOPO-NO. 19204
DO NOT APPLY PART NO			FINAL PROTECTIVE FINISH LUB OIL, SPEC VV-L-800	DWG SIZE B	5013747
				SCALE	UNIT WT SHEET OF