

NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY, NOR ANY OBLIGATION WHATSOEVER, AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
F		11 OCT 63	
G	REDRAWN AND REVISED SEE EO SA27441	2 NOV 64	<i>R. Henry</i>
H	(1) SEE EO SA 29262	18 MAY 66	<i>V. J. S. S.</i>
J	(1-2) SEE EO 82048	11 MAR 68	<i>B. H. S.</i>
K	(1) SEE EO HRD 92078-2	25 JUN 69	<i>L. J. S.</i>
L	SEE EO HRD 02138	7 FEB 75	<i>V. J. S. S.</i>
M	(4) SEE ERR HQ 40681	10 FEB 75	<i>V. J. S. S.</i>
N	NOR W662022/75-03-25	75-04-01	<i>V. J. S. S.</i>
P	NORW4S2051 / 840824 ECPW5S2069 / 851223	860121	<i>V. J. S. S.</i>

WIRE DIAMETER ----- .0625 ± .0005  
 COIL DIAMETER ( O.D. ) ----- .363 ± .005  
 FREE LENGTH ----- 2.15 REF  
 TOTAL COILS ----- 20 REF  
 DIRECTION OF HELIX ----- OPTIONAL  
 LOAD AT COMPRESSED LENGTH OF 1.55 ----- 30 LB ± 3 LB  
 LOAD AT COMPRESSED LENGTH OF 1.3 ----- 42.5 LB ± 3.5 LB  
 SPRING RATE ----- 50 LB/IN REF  
 SOLID LENGTH ----- 1.265 MAX  
 TYPE OF ENDS ----- CLOSED ENDS GROUND W/IN 5°  
 MANUFACTURE IN ACCORDANCE WITH MIL-S-13572, TYPE I, GRADE A.

# NOTES:

1. HOLE DIA INTO WHICH SPRING FITS FREELY .374 MIN.
2. ROD DIA OVER WHICH SPRING SLIDES FREELY .222 MAX.
3. HEAT TREATMENT: STRESS RELIEVE AT 425 °F. TO 445 °F. FOR 30 MIN, AFTER COILING.
4. PITCH IS 8 COILS PER INCH APPROXIMATELY.
5. LOAD REQUIREMENTS SHALL APPLY AFTER SPRING HAS BEEN COMPRESSED TO SOLID LENGTH 3 TIMES.

(K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

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

<div>(M)</div> <div>MECHANICAL PROPERTIES</div> <table border="1"> <tr> <td>YP</td> <td></td> </tr> <tr> <td>TS</td> <td></td> </tr> <tr> <td>EL 2</td> <td></td> </tr> <tr> <td>RA</td> <td></td> </tr> <tr> <td>BH</td> <td></td> </tr> <tr> <td>RH</td> <td></td> </tr> </table>		YP		TS		EL 2		RA		BH		RH		<div>(M)</div> <div>RIFLE, M4 NM</div>		<div>(H)</div> <div>ORIGINAL FSCM NO. 19205 PART NO. 6008887</div>	
		YP															
TS																	
EL 2																	
RA																	
BH																	
RH																	
<div>D 7790195</div> <div>D 6528297</div>		<div>RIFLE, M4</div> <div>30R-MI, MIC</div> <div>8 MID</div>		<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</div> <div>TOLERANCES ON DECIMALS ±</div> <div>FRACTIONS ± ANGLES ±</div> <div>MATERIAL: STEEL, WIRE, MUSIC, ASTM A228</div> <div>HEAT TREATMENT SEE NOTE 3</div> <div>FINAL PROTECTIVE FINISH LUB OIL, SPEC VV-L-800</div>													
<div>NEXT ASSY</div> <div>USED ON</div> <div>APPLICATION</div> <div>DO NOT APPLY PART NO</div> <div>AS SPECIFIED</div>		<div>ORIGINAL DATE OF DRAWING 2 AUG 37</div> <div>DRAFTSMAN A.G.L.</div> <div>CHECKER P.M.</div> <div>ENGINEER J. S. S.</div> <div>ENGINEER J. S. S.</div> <div>SUBMITTED</div> <div>APPROVED</div>		<div>SPRING, HELICAL, COMPRESSION</div> <div>DWG SIZE B</div> <div>6008887</div>													
				<div>SCALE</div> <div>UNIT WT</div> <div>SHEET OF</div>													