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REVISIONS					
MF	ZONE	LTR	DESCRIPTION	DATE	APPROVED
M		B	REPLACES REV A W/CHANGE SEE ERR HQR 20778	6 OCT 72	<i>F. B.</i>
M		C	NOR W9S2009 80-02-13	80-05-16	<i>[Signature]</i>
		D	NORW2S2G15 82-08-20	83-02-03	<i>[Signature]</i>
		E	NORW2S0011 / 82-04-13 (ECP W3S3120 / 83-07-07)	83-11-04	<i>[Signature]</i>
		F	NOR W5S8004/860204	890215	<i>[Signature]</i>

SPRING, HELICAL, COMPRESSION

NOTES:

1. WIRE, STAINLESS STEEL, TYPE 631, (17-7PH), COLD DRAWN, ASTM A313

2. PRECIPITATION HEAT TREAT AFTER FORMING, TO CONDTN CH900. HOLD AT 900° F ± 10° FOR ONE HOUR. AIR COOL.

3.

WIRE DIAMETER _____ .0340 ± .0005
 COIL DIAMETER (O.D) _____ .300 MAX
 FREE LENGTH _____ 1.579 REF
 TOTAL COILS _____ 15 REF
 DIRECTION OF HELIX _____ OPTIONAL
 LOAD AT COMPRESSED LENGTH OF .644 _____ 70 LB ± .7 LB
 LOAD AT COMPRESSED LENGTH OF .902 _____ 50 LB ± .5 LB
 SPRING RATE _____ 7.5 LB/IN REF
 SOLID LENGTH _____ .5175 MAX
 TYPE OF ENDS _____ CLOSED, GROUND
 MANUFACTURE IN ACCORDANCE WITH TYPE I, GRADE B, MIL-S-13572

5. BREAK SHARP EDGES .003 ± .012

4. MIL-W-13855 APPLIES.

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

PART NO. 8448659

MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NO.		DEPT OF THE ARMY		
YS MIN		TOLERANCES:		DATE 5 JUN 70		U.S. ARMY WEAPONS COMMAND		
YS MAX		ANGLES: ±		PREP <i>[Signature]</i>		ROCK ISLAND, ILLINOIS 81201		
EL 2		3 PLACE DECIMALS ±.005		CHK <i>[Signature]</i>		SPRING, HELICAL, COMPRESSION		
RA		2 PLACE DECIMALS ±		ENGR <i>[Signature]</i>				
BH		C9381380	M16A2	SUBMITTED		SIZE	CODE IDENT NO.	DRAWING NO
RH	15N84.5 MIN	C8448658	M16A1	APPROVED <i>[Signature]</i>		B	19204	8448659
APPLICATION		FINAL PROTECTIVE FINISH		5.1 OF MIL-STD-171		SCALE NONE		SHEET 1 OF 1

B8448659

DUPLICATE ORIGINAL

October 15, 2004 11:09 AM