DRAWING SIZE C

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REVISIONS

MODEL REV	DRAW REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
N/A	B	REPLACES REV A W/ CHANGE SEE ER HQR 20778	1972-10-06	LB
N/A	C	NOR W9S2009 / 1980-02-13	1980-05-16	
N/A	D	NOR W2S0011 / 1982-04-13 (ECP W2S0034 / 1982-07-15) (ECP W3S3120 / 1983-07-07)	1983-11-04	HW
N/A	E	NOR G1S2018 / 1991-07-08	1991-10-11	RR/SR
-	F	NOR L2S3042 / 2002-08-05	2002-09-26	JJW
A	G	NOR L07S3063 / 2007-06-26	2007-07-09	BMG

NOTES

1. MIL-W-13855 APPLIES.
2. MATERIAL: STAINLESS STEEL SPRING WIRE, TYPE 631 (17-7PH), COLD-DRAWN PER ASTM A 313. — 401 Y — MATERIAL
3. PRECIPITATION HEAT TREAT AFTER FORMING TO CONDITION CH900. HOLD AT 900° F ± 10° F FOR ONE HOUR. AIR COOL.
   THE HEAT TREATMENT METHODS INDICATED HEREON ARE FOR GUIDANCE ONLY, EXCEPT THAT TIME AT TEMPERATURE SHALL NOT BE REDUCED BELOW THAT SPECIFIED.
   HARDNESS: ROCKWELL 15N 84.5 MIN OR EQUIVALENT. — 501 Z — HARDNESS
4. BREAK EDGES $.003^{+.012}_{-.000}$ EXCEPT AS NOTED.
5. QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING NUMBER 12993884 APPLY.
6. PROTECTIVE FINISH: FINISH 5.4.1 OF MIL-STD-171. — 402 Y — PROTECTIVE FINISH

202 II V — MISSING OR DEFECTIVE PROTECTIVE FINISH

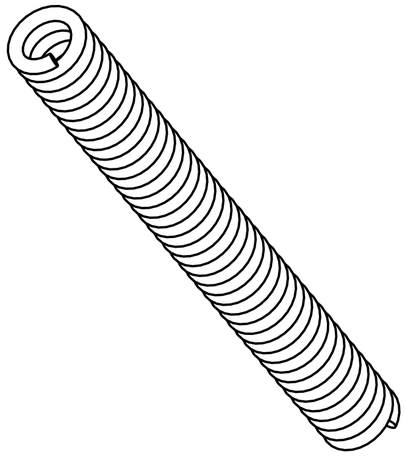
203 II V — WORKMANSHIP

SPRING DATA

WIRE DIAMETER	.0160±.0005
COIL DIAMETER (O.D.)	.088±.003
TOTAL COILS	40 REF
DIRECTION OF HELIX	OPTIONAL
LOAD AT COMPRESSED LENGTH OF .750	2.20 LBS ± 0.22 LBS
LOAD AT COMPRESSED LENGTH OF -	-
SPRING RATE	-
SOLID LENGTH	.670 MAX
TYPE OF ENDS	CLOSED
FREE LENGTH AFTER SETTING	1.10 REF
MANUFACTURE IN ACCORDANCE WITH TYPE 1, GRADE B PER MIL-S-13572	

201 II C

101 III C



ISOMETRIC VIEW

THIS DRAWING WAS GENERATED FROM A SOLID MODEL AND IS CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

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

PART NO. 8448586

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		12972690	M4A1
		9390011	M4
MECHANICAL PROPERTIES		12598101	M16A4
YP		12012001	M16A3
TS		9349100	M16A2
EL2		8448578	M16A1
RA		8448604	M16
BH		NEXT ASSY	USED ON
RH		APPLICATION	

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCE ON ANGLES ± °
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±.005

THIRD ANGLE PROJECTION

MATL ENGR

MODELED BY J. KREIDER

CONTRACT NUMBER

CONTRACTOR

DRAWN BY J. KREIDER	DATE(YEAR-MO-DA) 1970-04-27
CHECKER J. MACON-ESERV	ENGINEER J. WINDHAM
ENGINEER L. KO	QUALITY ENGINEER E. SESE
DRAWING APPROVAL L. BRUNTON	2002-08-05
DESIGN APPROVAL R. ELBE	2002-08-05

DESIGN ACTIVITY
US ARMY
ROCK ISLAND ARSENAL
ROCK ISLAND, ILLINOIS

SPRING, DETENT, TAKEDOWN PIN

SIZE	CAGE CODE	DWG NO.
C	19204	8448586

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