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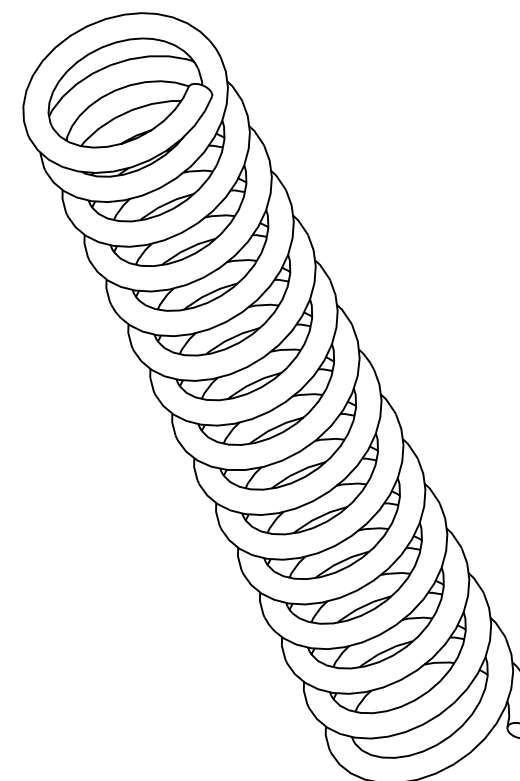
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DUE TO GOVERNMENT GENERATED ENGINEERING CHANGES, THERE MAY BE DATA AND/OR TOLERANCES NOT PROPRIETARY TO COLT'S.

## NOTES

- MIL-W-13855 APPLIES.
- MATERIAL: WIRE, STAINLESS STEEL, TYPE 631, (17-7PH), COLD DRAWN, ASTM A313.
- PRECIPITATION HEAT TREAT AFTER FORMING TO CONDTN CH900. HOLD AT 900°F±10° FOR ONE HOUR. AIR COOL.
- BREAK SHARP EDGES .003+.012.
- FINAL PROTECTIVE FINISH: 5.4.1 OF MIL-STD-171.
- HARDNESS: 15N 84.5 MIN.
- QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING I2993884 APPLY.



SCALE 6.000

## SPRING, HELICAL, COMPRESSION

WIRE DIAMETER	.0220±.0005
COIL DIAMETER	.180±.003
TOTAL COILS	14 REF
DIRECTION OF HELIX	OPTIONAL
LOAD AT COMPRESSED LENGTH OF .490	3.0 LB ± .3 LB
LOAD AT COMPRESSED SETTING OF	-----
SPRING RATE	-----
SOLID LENGTH	.335 MAX
TYPE OF ENDS	CLOSED
FREE LENGTH	.940 REF
MANUFACTURE IN ACCORDANCE WITH TYPE I, GRADE B, MIL-S-13572,	

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. 8448583

PMIC			DO NOT SCALE DRAWING		CONTRACT NUMBER		DESIGN ACTIVITY	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACTOR		US ARMY ROCK ISLAND ARSENAL ROCK ISLAND, ILLINOIS	
		M4A1	TOLERANCE ON ANGLES ± ° 2 PLACE DECIMALS ± 3 PLACE DECIMALS ±.005		DRAWN BY G. STRAHL	DATE(YEAR-MO-DA) 1970-04-27	SPRING, BUFFER RETAINER	
MECHANICAL PROPERTIES		M4	THIRD ANGLE PROJECTION		CHECKER J. MACON-ESERV	ENGINEER J. WINDHAM		
YP		M16A4			ENGINEER L. KO	QUALITY ENGINEER E. SESE		
TS	9390011	M16A3			DRAWING APPROVAL L. BRUNTON 2002-08-05	DESIGN APPROVAL R. ELBE 2002-08-05		
EL2	C8448605	M16A2			SIZE C	CAGE CODE 19204	DWG NO. 8448583	
RA	C8448579	M16A1			SCALE 3	UNIT WT. 0.001	SHEET 1 OF 1	
BH			NEXT ASSY	USED ON				
RH			APPLICATION					

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