

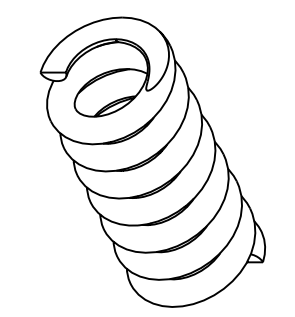
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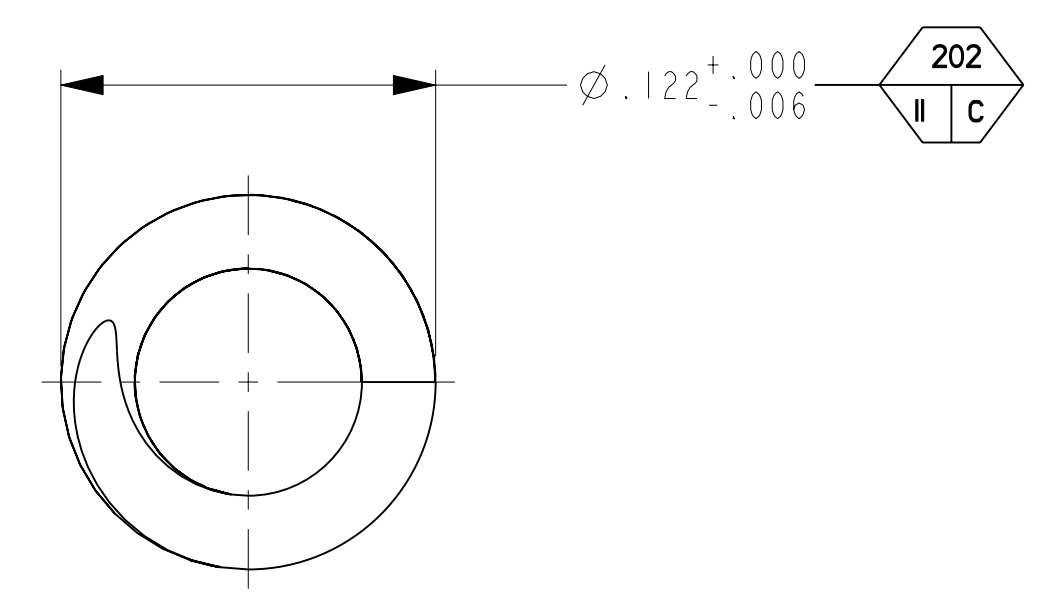
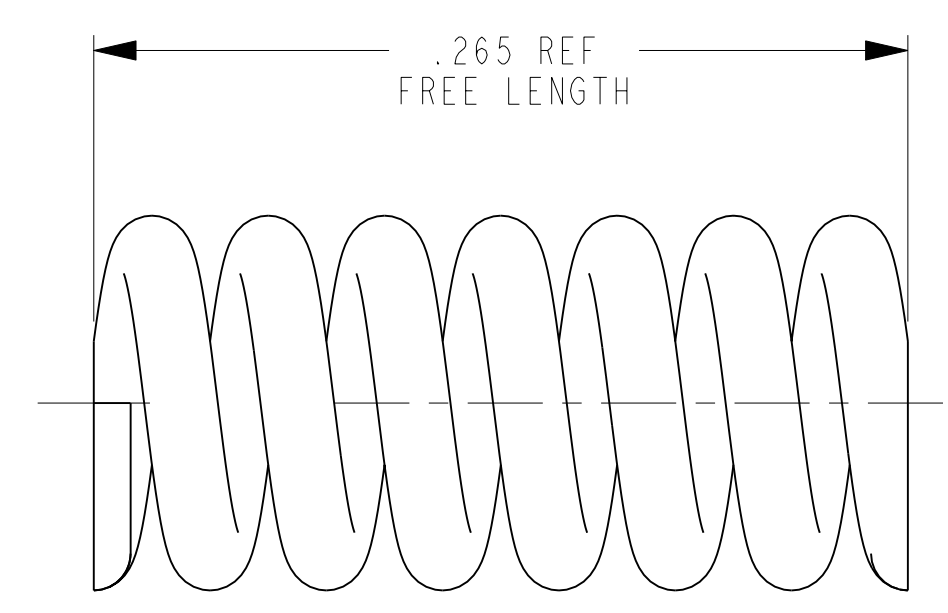
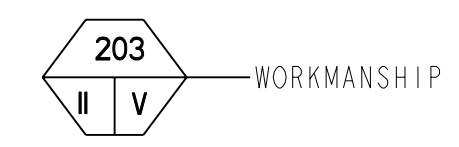
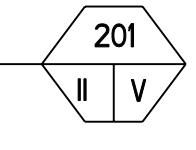
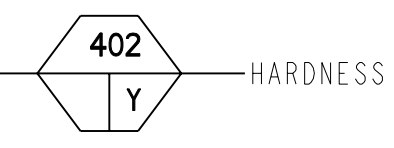
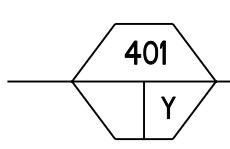
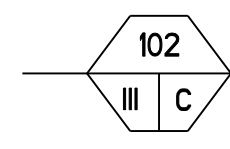
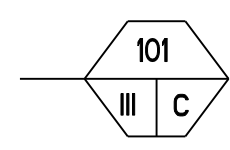
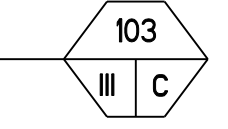
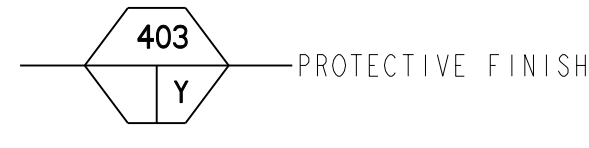
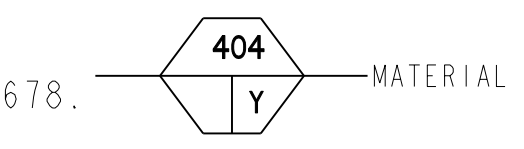
DUE TO GOVERNMENT GENERATED ENGINEERING CHANGES, THERE MAY BE DATA AND/OR TOLERANCES NOT PROPRIETARY TO COLT'S.

REVISIONS				
MODEL REV	DRAW REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
N/A	-	PRODUCTION RELEASE ERR W2S2013	1982-06-14	
N/A	A	NOR W2S0011 / 1982-04-13 (ECP W3S3120 / 1983-07-07)	1983-11-04	
N/A	B	NOR W4S0030 / 1984-11-15	1985-04-02	
N/A	C	NOR G0S3079 / 1990-06-04	1990-10-19	
N/A	D	NOR G1S2018 / 1991-07-08	1991-10-11	
N/A	E	NOR G1S2035 / 1991-08-27	1992-02-04	
-	F	NOR L2S3024 / 2002-05-21	2002-07-30	JJW
A	G	NOR L3S3161 / 2004-03-31	2004-08-13	RLV



ISO VIEW
SCALE 6.000

- NOTES
- APPLICABLE STANDARDS/SPECIFICATIONS:
 - ANSI Y14.5-1973
 - MIL-W-13855
 - MATERIAL: CORROSION RESISTANT STEEL WIRE, 17-7 PH, COLD DRAWN, COND-C, AMS 5678.
 - PROTECTIVE FINISH: 5.4.1 OF MIL-STD-171.
 - WIRE DIAMETER: $.0240^{+.0000}_{-.0008}$
 - DIRECTION OF HELIX: OPTIONAL.
 - TOTAL NUMBER OF ACTIVE COILS: 5 REF.
 - TOTAL NUMBER OF COILS: 7 REF.
 - LOAD AT COMPRESSED LENGTH OF .230: 3.9 LB ± .39 LB.
 - LOAD AT COMPRESSED LENGTH OF .200: 7.2 LB ± .72 LB.
 - (COLD SET TO .180 MAX.)
 - BREAK SHARP EDGES $.003^{+.012}_{-.000}$
 - SPRING RATE: 111.3 LB/IN REF.
 - SPRING REQUIREMENTS APPLY AFTER COLD SET IN ACCORDANCE WITH NOTE 10.
 - SURFACE FINISH: 125/ ALL SURFACES EXCEPT AS NOTED.
 - MANUFACTURE IN ACCORDANCE WITH TYPE I, GRADE B, MIL-S-13572, EXCEPT PARAGRAPH 4.4.4.1 SHALL NOT APPLY.
 - STRESS RELIEVE AND PRECIPITATION HARDEN AFTER FORMING TO CH 900. HOLD AT $900^{\circ}F \pm 10^{\circ}F$ FOR ONE HOUR, AIR COOL.
 - HARDNESS: EQUIVALENT TO ROCKWELL C 48 MIN.
 - ENDS CLOSED AND GROUND.
 - QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING 12993884 APPLY.



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

PART NO. 9349069

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PMIC			DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CONTRACT NUMBER		DESIGN ACTIVITY US ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, NEW JERSEY 07806-5000
				CONTRACTOR		
MECHANICAL PROPERTIES	12996812	M4A1	TOLERANCES ON ANGLES ± 2° 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005	DRAWN BY G. STRAHL	DATE(YEAR-MO-DA) 1982-09-26	SPRING, INDEX
	12951011	M4		CHECKER J. MACON-ESERV	ENGINEER J. WINDHAM	
YP	9349072	M16A4	ENGINEER L. KO	QUALITY ENGINEER E. SESE		
TS	9349062	M16A3	DRAWING APPROVAL L. BRUNTON 2002-05-21			
EL2	9390029	M16A2	DESIGN APPROVAL R. ELBE 2002-05-21			
RA	NEXT ASSY USED ON		MATL ENGR	MODELED BY G. STRAHL	SCALE 16.000	CAGE CODE 19200
BH					DWG NO. 9349069	SHEET 1 OF 1
RH	APPLICATION				UNIT WT. 0.000283	