

NOTICE: RESTRICTED AS TO USE AND DISCLOSURE

THIS ENTIRE DOCUMENT AND ALL INFORMATION IS PROPRIETARY TO COLT INC. AND SHALL NOT BE REPRODUCED, DUPLICATED OR COPIED IN WHOLE OR IN PART, DISCLOSED OR MADE AVAILABLE TO ANY OTHER PERSON, FIRM, OR CORPORATION OR OTHERWISE USED EXCEPT TO THE EXTENT NECESSARY FOR AND THEN ONLY IN CONNECTION WITH THE PREPARATION CONNECTION WITH THE PREPARATION AND/OR SUBMISSION OF BIDS OR PROPOSALS RELATED TO A PROCUREMENT BEING EFFECTED BY THE UNITED STATES EITHER BY THE UNITED STATES GOVERNMENT OR UNDER CONTRACT WITH THE UNITED STATES GOVERNMENT. THIS DOCUMENT WILL BE DISPOSED OF IN ACCORDANCE WITH THE INSTRUCTIONS ISSUED BY THE RESPONSIBLE CONTRACTING OFFICER UPON COMPLETION OF THE PURPOSE FOR WHICH IT WAS ISSUED.

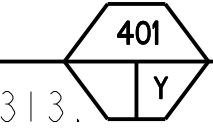
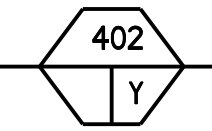
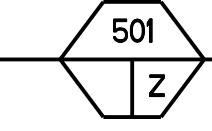
SPECIAL LICENSE RIGHTS
THE GOVERNMENT'S RIGHTS TO USE, MODIFY, REPRODUCE, RELEASE, PERFORM, DISPLAY, OR DISCLOSE THESE DATA ARE RESTRICTED BY CONTRACT NO. DAAF03-67-C-108, LICENSE NO. DAAF03-67-C-108. ANY REPRODUCTION OF TECHNICAL DATA OR PORTIONS THEREOF MARKED WITH THIS LEGEND MUST ALSO REPRODUCE THE MARKINGS.

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


REVISIONS

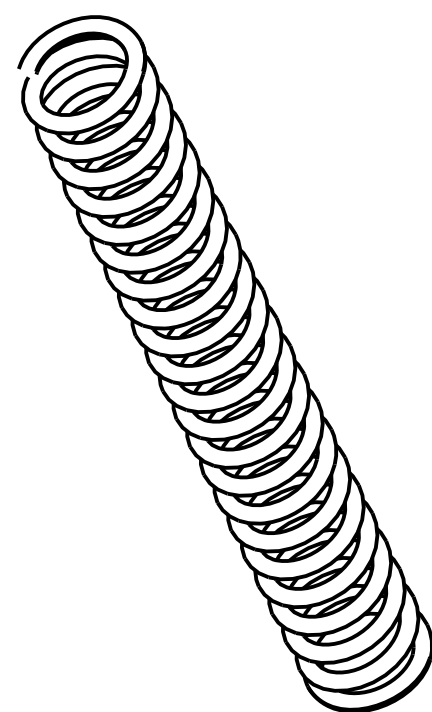
MODEL REV	DRAW REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
N/A	E	NOR GIS2018 / 1991-07-08	1991-10-11	RR
-	F	NOR L2S3028 / 2002-05-24	2002-07-30	JJW
A	G	NOR L10S3087 / 2010-07-29	2010-08-03	BMG

NOTES

- MIL-W-13855 APPLIES.
- MATERIAL: STAINLESS STEEL SPRING WIRE, TYPE 316 (17-7PH), COLD-DRAWN PER ASTM A 313.  MATERIAL
- PROTECTIVE FINISH: FINISH 5.4.1 OF MIL-STD-171.  PROTECTIVE FINISH
- 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.  HARDNESS
- BREAK EDGES .003⁺.012_{-.000} EXCEPT AS NOTED.
- QUALITY ASSURANCE PROVISION REQUIREMENTS PER DRAWING NUMBER 12993884 APPLY.

 NO MISSING OR DEFECTIVE PROTECTIVE FINISH

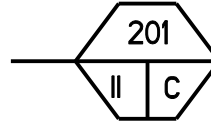
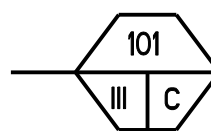
 WORKMANSHIP



ISOMETRIC VIEW

DISTRIBUTION STATEMENT F: FURTHER DISTRIBUTION ONLY AS DIRECTED BY US ARMY ARDEC, AMSTA-AR-CCL-F, ROCK ISLAND, IL; 1993-09-14.

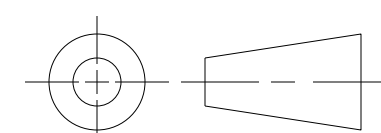
SPRING DATA

WIRE DIAMETER	.0240±.0005	
COIL DIAMETER (O.D.)	.175±.004	
FREE LENGTH AFTER SETTING	1.250 REF	
TOTAL COILS	21 REF	
DIRECTION OF HELIX	OPTIONAL	
LOAD AT COMPRESSED LENGTH OF .750	3.5 LB ± 0.35 LB	
SPRING RATE	-	
SOLID LENGTH	.535 MAX	
TYPE OF ENDS	CLOSED	
MANUFACTURE IN ACCORDANCE WITH TYPE I, GRADE B PER ASI3572		

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. 8448520

PMIC	M231	DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON ANGLES ± ° 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± .005	CONTRACT NUMBER		DESIGN ACTIVITY	
	M4A1		CONTRACTOR		US ARMY ROCK ISLAND ARSENAL ROCK ISLAND, ILLINOIS	
	M4		DRAWN BY G. STRAHL		DATE(YEAR-MO-DA) 1970-04-27	
	M16A4		CHECKER J. WINDHAM		ENGINEER J. WINDHAM	
MECHANICAL PROPERTIES	M16A3	ENGINEER L. KO		QUALITY ENGINEER E. SESE		
YP	M16A2	DRAWING APPROVAL L. BRUNTON		2002-05-24		
TS	M16A1	DESIGN APPROVAL R. ELBE		2002-05-24		
EL2	8448517	M16	SIZE C		CAGE CODE 19204	DWG NO. 8448520
RA	NEXT ASSY	USED ON	SCALE 4.000		UNIT WT. 0.00135	SHEET 1 OF 1
BH	APPLICATION		THIRD ANGLE PROJECTION 			
RH			MATL ENGR	MODELED BY G. STRAHL		