

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.

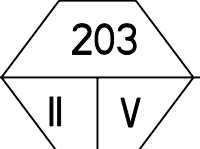
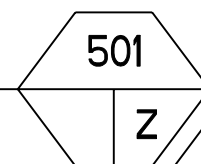
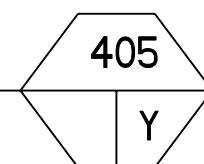
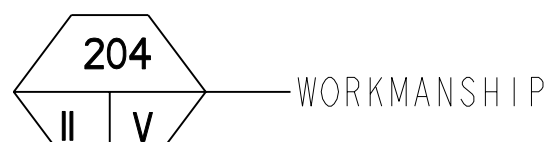
DUE TO GOVERNMENT GENERATED ENGINEERING CHANGES, THERE MAY BE DATA AND/OR TOLERANCES NOT PROPRIETARY TO COLT'S.

REVISIONS

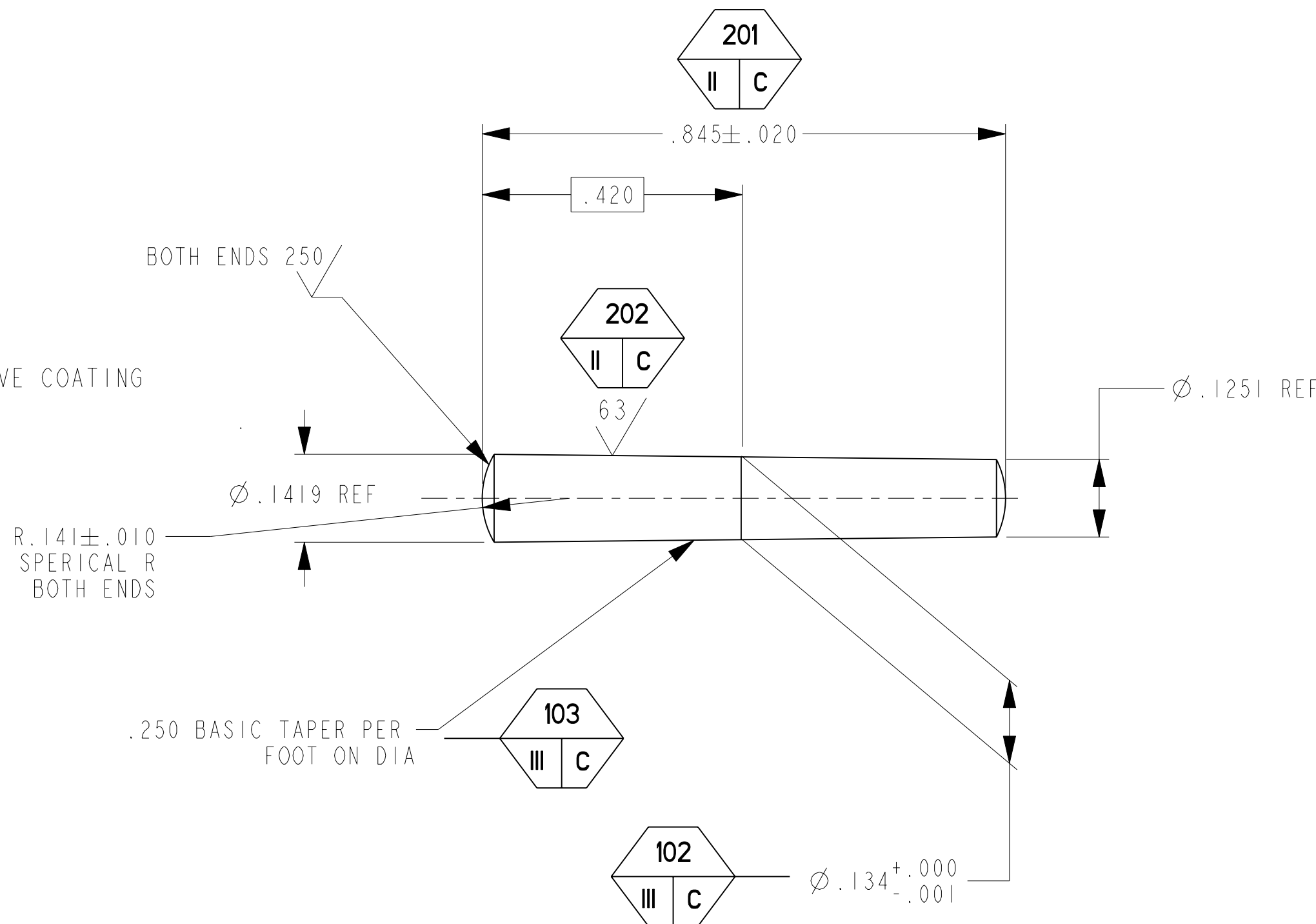
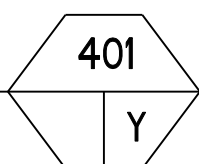
MODEL REV	DRAWING REV	DESCRIPTION	DATE(YEAR-MO-DA)	APPROVED
N/A	H	NOR G5S3009 / 1995-03-30	1995-07-26	DR
-	J	NOR LIS3038 / 2001-08-27	2002-05-24	JJW
A	K	NOR L3S3161 / 2004-03-31	2004-08-13	RLV

NOTES

- MIL-W-13855 APPLIES.
- MATERIAL: STEEL, CMPSN 4027, 4028, AND 4037, SPEC ASTM A304 OR STEEL, CMPSN 1030, 1033, 1035, 1037, AND 1038, SPEC ASTM A108.
- BREAK SHARP EDGES .005 +.010.
- SUGGESTED HEAT TREAT: LIQUID CARBURIZE AT 1550° TO OBTAIN A TOTAL CASE DEPTH OF .010/.015.
- ROCKWELL HARDNESS 15N 89-91.
- FINAL PROTECTIVE FINISH 5.3.1.2 OF MIL-STD-171.
- QUALITY ASSURANCE PROVISIONS PER DRAWING 12993884 APPLY.



PROTECTIVE COATING



506. REFERENCED NUMBER 404 CASE DEPTH. THE CONTRACTOR SHALL PROVIDE THE GOVERNMENT REPRESENTATIVE WITH CERTIFIED REPORTS OF CASE DEPTH TEST AND STATEMENTS OF COMPLIANCE TO THREE (3) SAMPLES FROM EACH DAY'S PRODUCTION FROM EACH CARBURIZING FURNACE OR SALT POT USED. THE TEST SPECIMEN SHALL BE A COMPONENT, A SCRAP COMPONENT OR A TEST PIECE OF SIMILAR CROSS SECTION. IT SHALL BE CUT PERPENDICULAR TO THE CASED SURFACE AND THE CUT SURFACES SHALL THEN BE PREPARED BY GRINDING AND OR ROUGH POLISHED TO REMOVE THE EFFECTS OF THE ORIGINAL CUT. ETCHING WILL BE DONE WITH A 5 TO 10% NITAL SOLUTION AND FOR SUFFICIENT TIME TO DEVELOP A CONTRAST IN CASE AND CORE STRUCTURE. THE DEPTH OF CASE SHALL BE THE TOTAL DISTANCE SO PENETRATIONS FROM THE SURFACE TO THE NEAREST POINT OF UNIFORM CORE STRUCTURE AS MEASURED ON A POLISHED AND ETCHED SPECIMEN AT A MAGNIFICATION NOT LOWER THAN 10 DIAMETERS.

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. 8448575

PMIC		M231	DO NOT SCALE DRAWING	CONTRACT NUMBER	DESIGN ACTIVITY
		M4A1	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		US ARMY
		M16A4	TOLERANCE ON ANGLES ± °		ROCK ISLAND ARSENAL
		M16A3	2 PLACE DECIMALS ±		ROCK ISLAND, ILLINOIS
		M16A2	3 PLACE DECIMALS ± .005		
YP			THIRD ANGLE PROJECTION	DRAWN BY	
TS	F8448522	M16A1		B NICEWANNER	DATE(YEAR-MO-DA)
EL2	F8448601	M16		S. GALL - ESERV	1999-04-27
RA	9390001	M4		CHECKER	ENGINEER
BH				L. KO	J. WINDHAM
RH				ENGINEER	QUALITY ENGINEER
				L. BRUNTON	L. CICHUCKI
				DRAWING APPROVAL	
				R. ELBE	2001-08-22
				DESIGN APPROVAL	

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

PIN, TAPER, FRONT SIGHT

SIZE	CAGE CODE	DWG NO.
C	19204	8448575
SCALE	UNIT WT.	SHEET
5/1		1 OF 1