

NOTES

1. FINISH $125\sqrt{}$ EXCEPT SHEARED EDGES $250\sqrt{}$ (PLATE). FINISH $125\sqrt{}$ LUSTERLESS (PAD).
2. ALL EDGES AND CORNERS SHALL BE BROKEN .005 \pm .010 UNLESS OTHERWISE SPECIFIED. (PLATE).
ALL EDGES SHALL BE FREE FROM FLASH AND MAY BE ROUNDED TO .015 MAX. (PAD).

3. MATERIAL: PLATE: STEEL SHEET ASTM A102 C A QUARTER HARD NO. 3, TEMPER

PAD: SYNTHETIC RUBBER, SPEC MIL-R-3065 AND MIL-STD-417, CLASS SC, GRADE S15, SUFFIXES A1, B1, C1, F2, K1, Z1, Z2.

SPECIAL REQUIREMENTS:

Z1: CHANGE IN TENSILE STRENGTH AFTER 30 DAY EXPOSURE OVER WATER AT $158\pm 2^\circ$ F SHALL BE $\leq 30\%$ MAX. THREE STANDARD ASTM D412 DUMBBELL SPECIMENS SHALL BE SUSPENDED IN A QUART JAR CONTAINING APPROXIMATELY 150 CC DISTILLED WATER. THE SECURE CAP CLOSED JAR SHALL BE PLACED IN AN AIR OVEN AT $158\pm 2^\circ$ F FOR THIRTY DAYS. DISTILLED WATER SHOULD BE ADDED AS REQUIRED TO AVOID HAVING THE JAR GO DRY. AFTER EXPOSURE, THE SPECIMENS SHALL BE WIPED DRY AND TESTED PER ASTM D412. THE AVERAGE OF THE THREE VALUES SHALL BE USED TO DETERMINE COMPLIANCE TO THE REQUIREMENT.

Z2: NO CRACKS SHALL BE VISIBLE TO THE NAKED EYE AFTER 30 DAYS EXPOSURE IN A RELATIVE HUMIDITY CABINET IN WHICH THE CIRCULATING AIR IS CONTROLLED TO $100\pm 1^\circ$ F AND $90\pm 2\%$ RELATIVE HUMIDITY. DUPLICATE BENT LOOP SPECIMENS, ASTM D518 SHALL BE USED. CRACKS IN EITHER SPECIMEN SHALL CONSTITUTE FAILURE.

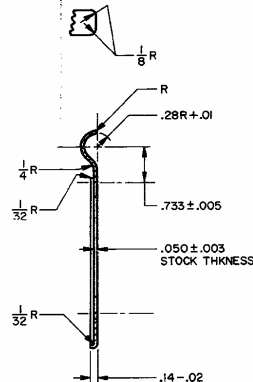
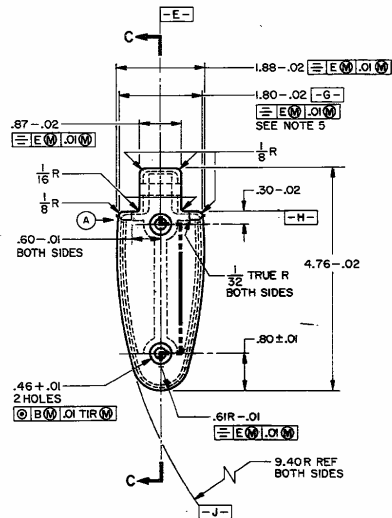
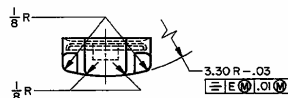
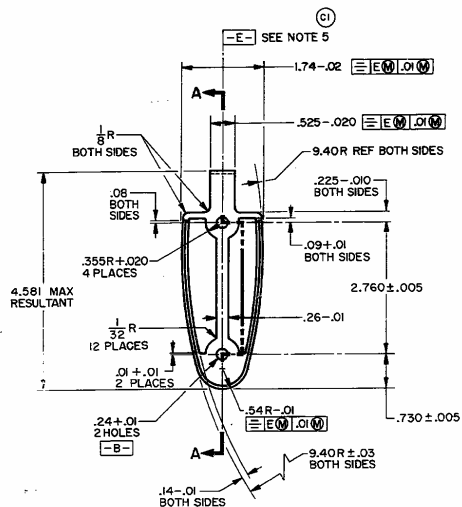
FINISH: LUSTERLESS FINISH TO BE OBTAINED BY SUITABLE GRIT OR SANDBLASTED MOLD.

COLOR: FED STD NO. 595, BLACK 37038 THRU 37056.

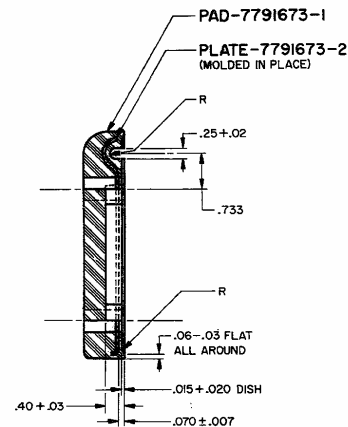
4. DIM $\boxed{-G-}$ SHALL APPLY WHERE SURFACE $\boxed{-H-}$ AND RADIUS $\boxed{-J-}$ INTERSECT.

5. $\boxed{-E-}$ IS ESTABLISHED BY 2 HOLES $\boxed{-B-}$.

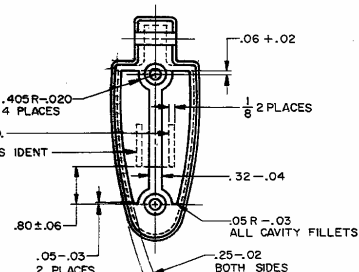
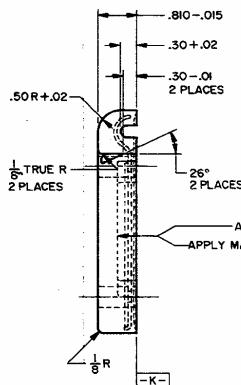
6. MIL-W-13855 APPLIES.



SECTION A-A



SECTION C-C



MECHANICAL PROPERTIES		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINAL DATE OF DRAWING	
TP	F1166528	RIFLE, MME2	TOLERANCES ON DIMENSIONS: FRACTIONS $\pm 1/64$ ANGLES $\pm 1^\circ$	23 SEP 63	62
TR				CHECKED	EPS
EL 2				TRACED	63
RA	SEE ENGINEERING RECORDS	MATERIAL	SEE NOTE 3	SUBMITTED	63
BH	HEAT TREAT	HEAT TREATMENT	SEE NOTE 3	APPROVED	63
RH	APPLY PART NO	FINAL PROTECTIVE FINISH	NONE	APPROVED	63
DO	PER MIL-STD-130 AS SPECIFIED				

ORIGINAL DESIGN ACTIVITY FSCM NO.19205
CURRENT DESIGN ACTIVITY FSCM NO.19200
U.S. ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER
DOVER, NEW JERSEY 07801

PART NO. 7791673	
DEPT OF THE ARMY	ROCK ISLAND ARSENAL
ROCK ISLAND, ILL. 61201.	
PAD, SHOULDER, RECOIL	
CODE IDENT NO. 19204	F
SCALE 1/1	UNIT WT
SHEET 1 OF 1	