

A 5020570 APRIL 4, 1927 PHYSICAL PROPERTIES **HEAT TREATMENT & FINAL FINISH** REVISIONS SCL. RED. Y. P. HEAT TREAT 14 5-10-48 T. S. BR. TYPE I FINISH, CLASS B C38-43 EL. 2 ROCK 0945 -.0010 DRG. PERTAINS TO C5621076 SPHERICAL INSCRIBE PART NO. DO NOT TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± ---FRACTIONAL ± 1 / 64
ANGULAR ± L'D'G DRAFTSMAN DRAFTSMAN TRACER LRE M.T. CHECKER CHIEF DRAFTSMAN PIN SUBMITTED: STEEL FS 1095 FINISH 125/ ORD. DEPT., U.S. A. APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: WAS A20570 SCALE # | A | 5020570 ORDNANCE DEPT., U. S. A.

HEAT TREATMENT AND FINAL FINISH FEBRUARY I, 1938 PHYSICAL DRAW AT 450°F. **PROPERTIES** REVISIONS TYPE I FINISH, CLASS OSC Y. P. 12 5-10-48 BAKE ONE HOUR AT 300-350°F. T. S. EL. 2 RED BR. -.109 ±.010 ROCK. DIAMETER OF WIRE ---.020 SCL. 9 V2 TOTAL NUMBER OF COILS-OUTSIDE DIAMETER, FREE-.187±.004 DRG. PERTAINS TO MAX. OUTSIDE DIA AT MIN. OPERATING HEIGHT-C5621076 MITAI (WC) FREE LENGTH-.68±.02 M 19A4 (FXD) TYPE OF ENDS-FORM AS SHOWN (BOTH ENDS) M 19A4(FLEX) WOUND-M 19A5 (FXD) R.H. MIGAG MEAN ASSEMBLED HEIGHT-.362 MIN. LOAD AT MEAN ASSEMBLED HEIGHT- 1.58LB MIN. OPERATING HEIGHT-.321 MIN. LOAD AT MIN. OPERATING HEIGHT 1.69LB LB PER INCH OF SPRING DEFLECTION __ .200 SPRING FUNCTIONS IN HOLE-.190 CALCULATED MAX. SOLID HEIGHT-INSCRIBE PART NO. CAUTION: DO NOT COMPRESS SOLID DO NOT NOTE: TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED .5% OF SPRINGS WILL BE FATIGUE TESTED BETWEEN ASSEMBLED HEIGHT AND MINIMUM DECIMAL + -FRACTIONAL±-OPERATING HEIGHT FOR 25,000 CYCLES. THE ANGULAR+ -LOAD AT ASSEMBLED HEIGHT, AFTER TESTING, SHOULD NOT BE LESS THAN 1.25 LB W.L.M. M.C. SPRING. EXTRACTOR CAM PLUNGER
SPRING STEEL WIRE WDIO85 SPECIAL - CLASS A

GI4 7228 SUBMITTED: OF ORDNANCE:-WAS BI47228 motor uch ORD. DEPT., U. S. A. 6147228 ORDNANCE DEPT., U. S. A





