

A 5020581 JUNE 1, 1931 HEAT TREATMENT & FINAL FINISH PHYSICAL PROPERTIES REVISIONS SCL. Y. P. RED. HEAT TREAT 17 5-10-46 T. S. TYPE II FINISH, CLASS B C43-49 ROCK E. L. 2 - 1 × 45° DRG. PERTAINS TO MITAI (WC) C5591794 .30 BMG M1944 (FXD) M1945 (FXD) C5621039 INSCRIBE PART NO.--.00 .30 BMG M 1944 (FLEX) M 1946 C7100059 Ŋ 3 DO INSCRIBE PART NO. TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± 1/64-ANGULAR ± 5° -.232+.005 **-**.995-.005 → L'D'G DRAFTSMAN DRAFTSMAN TRACER W.C.O. A.VC. CHECKER CHIEF DRAFTSMAN PLATE, BUFFER

STEEL FS 1045

FINISH 125/ SUBMITTED: (502058) APPROVED BY ORDER OF THE CHIEF OF ORDNANCE WAS A20581 SCALE [A 5020581 ORDNANCE DEPT., U. S. A.

MADE AT ROCK ISLAND ARSENAL

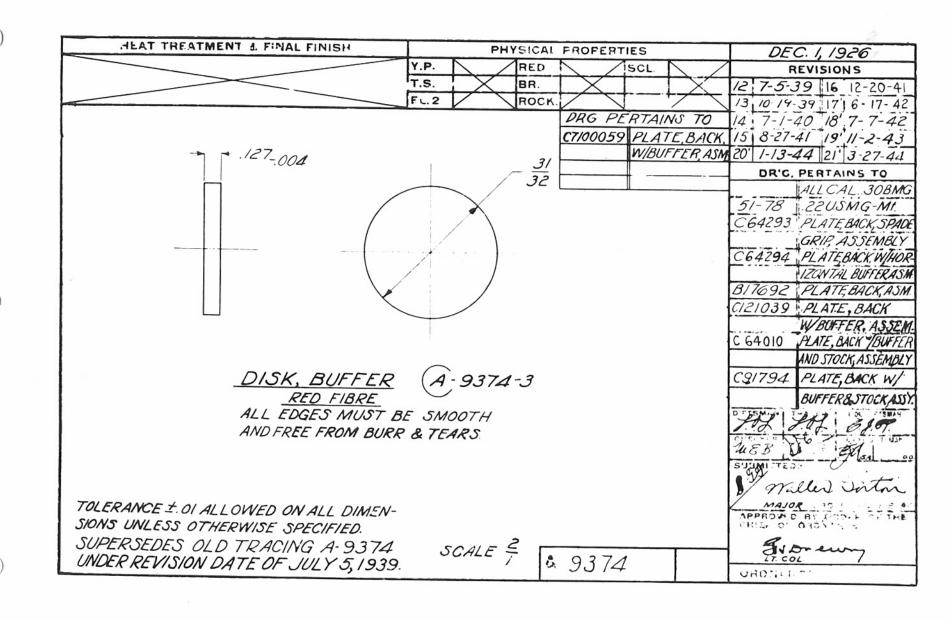
A5139969 **HEAT TREATMENT & FINAL FINISH** PHYSICAL PROPERTIES JUNE 26, 1936 Y. P. RED. SCL. **REVISIONS** HEAT TREAT T. S. BR. 15 8-19-48 TYPE II FINISH, CLASS B EL. 2 ROCK A-73-76 DRG. PERTAINS TO C7100059 30BMG M 1944 (FLEX) M 1946 716 INSCRIBE PART NO. DO NOT TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± 1/64 ANGULAR ± 2° 1010 DRAFTSMAN TRACER L'D'G DRAFTSMAN CLOSE SPRING TO THIS DIMENSION BEFORE E.J.L O.K. CHECKER HARDENING CHIEF DRAFTSMAN DEVELOPE LENGTH 2 IN APPROX SUBMITTED: SPRING, STOCK STEEL WD1095 5)39969 APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: WAS A 139969 A 5139969 ORDNANCE DEPT., U. S. A.

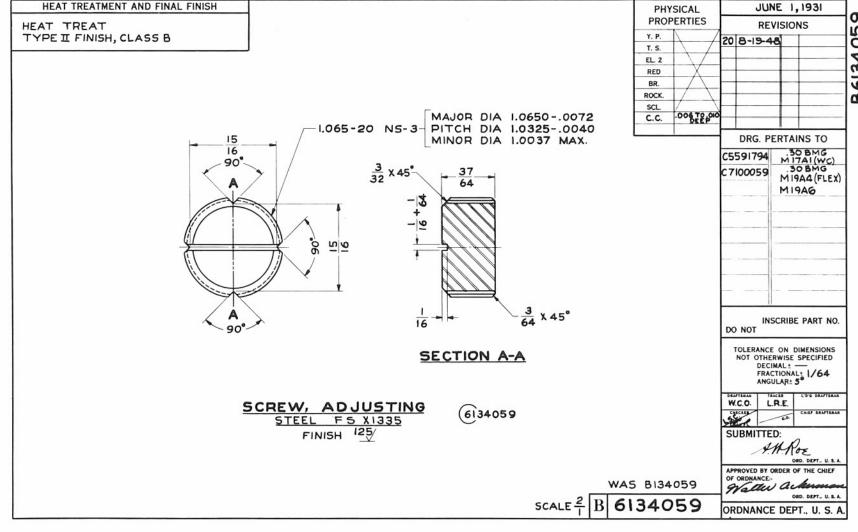
A5135052 JUNE 1, 1931 PHYSICAL PROPERTIES **HEAT TREATMENT & FINAL FINISH REVISIONS** SCL. Y. P. RED. HEAT TREAT C.C. 004 TO 17 8-19-48 T. S. TYPE I FINISH, CLASS B OOG DEEP EL. 2 ROCK DRG. PERTAINS TO .30 BMG M17A1 (WC) C5591794 -.157-.002 .094-.004-30BMG M 1944(FLEX) C7100059 M 19A6 INSCRIBE PART NO. DO NOT TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± 1/64
ANGULAR ± PLUNGER ADJUSTING SCREW

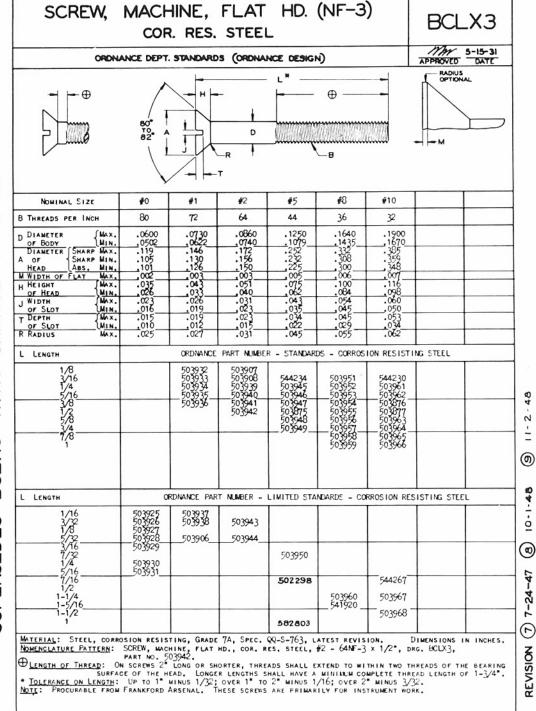
STEEL FSX1020

FINISH 125 DRAFTSMAN TRACER L'D'G DRAFTSMAN W.C.Q E.R.G. CHECKER CHIEF DRAFTSMAN SUBMITTED: ORD. DEPT., U. S. A. APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: WAS A135052 SCALE 4 A 5135052 ORDNANCE DEPT., U. S. A.

A 5135053 HEAT TREATMENT & FINAL FINISH PHYSICAL PROPERTIES JUNE 1, 1931 DRAW AT 450°F Y. P. RED. REVISIONS TYPE I FINISH, CLASS OSC T. S. BR. 19 8-19-48 BAKE ONE HOUR AT 300-350°F EL. 2 ROCK DRG. PERTAINS TO ,30 BMG M17A1 (WC) C5591794 .30 BMG M 1944 (FLEX) C7100059 MAX. OUTSIDE DIA AT MIN OPER HT------ .159 M 1946 FREE LENGTH .83±.03
TYPE OF ENDS .SQUARED & GROUND WOUND R,H. LOAD AT MEAN ASSEMBLED HT 3.8LB±.5LB
MIN OPERATING HEIGHT .669
LOAD AT MIN OPER HT 4.7LB±.5LB INSCRIBE PART NO. DO NOT - 4.7LB±.5LB LB PER INCH OF SPRING DEFLECTION _____ 29 APPROX TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± -FRACTIONAL -ANGULAR + -CALCULATED MAX. SOLID HT-TRACER CAUTION: DO NOT COMPRESS SOLID. W.L.M. | E.B. CHIEF DRAFTSMAN SUBMITTED: SPRING, ADJUSTING SCREW PLUNGER (5)35053 SPRING STEEL WIRE (WDIO85 SPECIAL-CLASSA) APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: WAS A135053 ORD. DEPT., U. S. A. A 5135053 ORDNANCE DEPT., U. S. A.







1 4 4 S CHANG WITH 3 × BCL S ш SUPERSED

ENGINEERING & INSPECTION SECTION - ORDIP

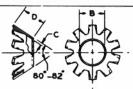
ORDNANCE DEPT., DEPT OF THE ARMY

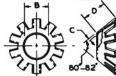
WASHER, LOCK ", TOOTH" TYPE EXTERNAL TOOTH, COUNTERSUNK

BEAX4

ORDNANCE DEPARTMENT STANDARDS (COMMERCIAL)

APPROVED 5-11-33 DATE





1		i i					
	TYPE A	TYPE B					
SIZE, NOMINAL		#4	#6	#8	#10	#12	#14 & 1/
B INSIDE DIAMETER (MAX. UNIN. C THICKNESS (MIN. D SIDE LENGTH MAX. MIN.		.123 .113 .019 .015 .065	.150 .140 .021 .017 .092 .082	.177 .167 .021 .017 .105	.205 .195 .025 .020 .099	.231 .220 .025 .020 .128 .118	.267 .255 .025 .020 .128 .113
MATERIAL	FINISH	ORDNANCE PART NUMBER					
STEEL STEEL STEEL STEEL STEEL STEEL	PLAIN CADMIUM OR ZINC PLATED NICKEL PLATED CHROMIUM PLATED PHOSPHATE COATED CORROSION RESISTING	114611 125817 125819 125818 125820	114612 138589 120155 138590 138591 431505	114613 138593 120156 138594 138595 431506	114614 138597 120157 129184 138598	114615 138600 120158 138601 138602	114616 138604 120152 138605 138606
SIZE, NOMINAL		# 16	5/16	3/8	7/16	1/2	
B INSIDE DIAMETER MIN. C THICKNESS MIN. D SIDE LENGTH MAX. MIN.		.287 .273 .028 .023 .147 .137	.333 .318 .028 .023 .192 .165	383 383 385 385 385 385 385 385 385 385	.463 .448 .045 .037 .270 .260	.529 .512 .045 .037 .304 .294	
MATERIAL	FINISH	ORDNANCE PART NUMBER					
STEEL STEEL STEEL STEEL STEEL	PLAIN CADMIUM OR ZINC PLATED NICKEL PLATED CHROMIUM PLATED PHOSPHATE COATED CORROSION RESISTING	138608 138609 138611 138610 138612	114617 134512 120159 138614 138615 583135	114618 138617 120160 138618 138619	114619 125823 125825 125824 125826	114620 125829 125831 125830 125832	
5							

STEEL - SAE 1050 or 1066 HEAT TREATED, ROCKWELL HARDNESS C40 - C50 or EQUIVALENT.

NOTE: For specifications, see drawing BEAX10.

NOMENCLATURE PATTERN: WASHER, LOCK, "TOOTH" TYPE, COUNTERSUNK, 3/8", DRG. BEAX4, PART NO. 114618.

NOTE: EITHER TYPE "A" OR TYPE "B" IS ACCEPTABLE.

ENGINEERING & INSPECTION SECTION - ORD IP

Manualine Dens Dens - sue Annu

