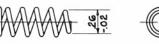


HEAT TREATMENT AND FINAL FINISH

DRAW AT 450° F. TYPE I FINISH, CLASS OSC BAKE ONE HOUR AT 300-350°F.



DIAMETER OF WIRE-.032 TOTAL NUMBER OF COILS -OUTSIDE DIAMETER, FREE .340±.005 MAX. OUTSIDE DIA AT MIN OPERATING HEIGHT-.356 FREE LENGTH ----.78±.03 TYPE OF ENDS -AS SHOWN WOUND -R.H. MEAN ASSEMBLED HEIGHT-.4 MIN LOAD AT MEAN ASSEMBLED HEIGHT 3.7LB MINIMUM OPERATING HEIGHT-.238 MIN LOAD AT MIN OPERATING HEIGHT - 6.LB±1LB LB PER INCH OF SPRING DEFLECTION-9.73 SPRING FUNCTIONS IN HOLE -.357 SPRING FUNCTIONS OVER ROD-.156 CALCULATED MIN SOLID HEIGHT-.192

CAUTION: DO NOT COMPRESS SOLID

.5% OF SPRINGS WILL BE FATIGUE TESTED BETWEEN ASSEMBLED HEIGHT AND MINIMUM OPERATING HEIGHT FOR 25,000 CYCLES. THE LOAD AT ASSEMBLED HEIGHT, AFTER TESTING, SHOULD NOT BE LESS THAN 2.5 LB

SPRING, BELT FEED PAWL SPRING STEEL WIRE WDIO85 SPECIAL - CLASS A

6147224

WAS BI47224

SCALE F 6147224

PHYSICAL		FEBRUARY I, 1938			
PROPERTIES		REVISIONS			
Y. P.		12	5-10-48		
T. S.					
EL 2					
RED.	X				
BR.					
ROCK					
SCL.		_			
		\vdash			

DRG. PERTAINS TO

.30 BMG M 17A1 (WC)
.30 BMG M 19A4 (FXD)
M 1944 (FLEX)
MISAS

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± -FRACTIONAL +-ANGULAR +-

W. L. M.	M.C.	F.D.C	DRAFTSMA
CHICKER	0.0	CHIEF	DRAFTSMA

SUBMITTED:

APPROVED BY ORDER OF THE CHIEF

OF ORDNANCE:

ORD. DEPT., U. S. A. ORDNANCE DEPT., U. S. A

