~~A153020~~

A5153020

HEAT TREATMENT & FINAL FINISH	PHYSICAL PROPERTIES						DECEMBER 31, 1941
	Y.P.		RED.		ROCK.		REVISIONS
	T.S.		BR.				1 9-30-42
	EL.2						2 CONVERSION 10-17-51

DIAMETER OF WIRE	.026
TOTAL NUMBER OF COILS	5 1/2
MINIMUM INSIDE DIAMETER, FREE	.218
OUTSIDE DIAMETER, FREE	.27 + .01
MAXIMUM OUTSIDE DIAMETER AT MINIMUM OPERATING HEIGHT	.283
FREE LENGTH OF SPRING	.520 ± .010
TYPE OF ENDS	SQUARED
WOUND	R.H.
MEAN ASSEMBLED HEIGHT	.32
LOAD AT MEAN ASSEMBLED HEIGHT	2.4 LBS.
MINIMUM OPERATING HEIGHT	.195
LOAD AT MINIMUM OPERATING HEIGHT	3.87 LBS.
SPRING FUNCTIONS IN HOLE	.300 + .003
SPRING FUNCTIONS OVER ROD	.200 - .004
CALCULATED MAXIMUM SOLID HEIGHT	.17

REDUCE LAST COIL ON ONE END
TO OUTSIDE DIA. OF .23 + .01.
EXPAND LAST COIL ON OTHER
END TO .32 + .01. O.D.

DR'G. PERTAINS TO

51-63	.45 SMG-M28A1
51-116	.45 SMG-M1
51-124	.45 SMG-M1A1

(1)

DR'FTSMAN	TRACER	L'DG. DR'FTSMAN
C.M.	R.S.	C.J.T.
CHECKER	T.B.A.	CHIEF DR'FTSMAN
EGM	EGW	J.S.A. 00

SUBMITTED:-
LT. COL., ORD. DEPT., U. S. A.

APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:-
COL., ORD. DEPT., U. S. A.

ORDNANCE DEPT., U. S. A.

SPRING, FRAME LATCH ~~A153020~~ 5153020

A5153020
REF. DRG. A.O.C. A45-1-9

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SUPERSEDES A153020