

A153025

HEAT TREATMENT & FINAL FINISH

PHYSICAL PROPERTIES

DECEMBER 31, 1941

Y.P.
T.S.
EL2

RED
BR.

REVISIONS
1 9-30-42
2 CONVERSION
10-17-51

DIAMETER OF WIRE035
 TOTAL NUMBER OF COILS 9 1/2
 MINIMUM INSIDE DIAMETER, FREE152
 OUTSIDE DIAMETER, FREE232 - .010
 MAXIMUM OUTSIDE DIAMETER AT MINIMUM OPERATING HEIGHT234
 FREE LENGTH OF SPRING765 ± .020
 TYPE OF ENDS PLAIN
 WOUND R.H.
 MEAN ASSEMBLED HEIGHT56
 LOAD AT MEAN ASSEMBLED HEIGHT 5.7 LBS.
 MINIMUM OPERATING HEIGHT50
 LOAD AT MINIMUM OPERATING HEIGHT 7.28 LBS.
 SPRING FUNCTIONS IN HOLE248 ± .010
 CALCULATED MAXIMUM SOLID HEIGHT37

DR'G. PERTAINS TO

51-63 .45 SMG-M2BA1
 51-116 .45 SMG-M1
 51-124 .45 SMG-MIA1

1

NOTE:- EXPAND LAST COIL ON ONE END TO OUTSIDE DIA. OF .265 ± .010

SPRING, SEAR **5153025**

OFFISMAN TRACER L'OG OFFISMAN
 R.S. *b.f.f.*
 CHECKER *E.W. J.* CHIEF OFFISMAN
 SUBMITTED:

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

J. Guarnato
 COL. ORD. DEPT., U. S. A.
 ORDNANCE DEPT., U. S. A.

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

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SUPERSEDES A15302