

A 9393

HEAT TREATMENT & FINAL FINISH
STRESS RELIEVE @ 435±10°F FOR
30 MINUTES, AFTER COILING.

PHYSICAL PROPERTIES

DEC. 1, 1926

Y.P.		RED.	ROCK.	
T.3.				
EL.2		BR.		

REVISIONS

REVISIONS

DO NOT INSCRIBE PART NO

SEE ERR HQR	REFEBS	DATE
40639	030513	HJS

SYN	DESCRIPTION	DATE	APP
AI	SEE EO HQRD 00175	4 AUG 70	222
B	(1) SEE ERR HQR 20008	14 JAN 72	222

REVISIONS	
7	12-18-41 13 10-5-45
8	2-19-42 14 4-12-46
9	6-4-42 15 12-20-48
10	1-18-42 16 4-26 49
11	4-20 45 17 8-51
12	6-14-45 18 10-15-52

DRG. PERTAINS TO

M6 CAL 50, M218

B1

- Δ Δ DIAMETER OF WIRE034
- Δ Δ TOTAL NUMBER OF COILS 5 1/2
- Δ Δ MINIMUM INSIDE DIAMETER, FREE130
- Δ Δ OUTSIDE DIAMETER, FREE208 ± .004
- Δ Δ MAXIMUM OUTSIDE DIAMETER AT MINIMUM OPERATING HEIGHT215
- Δ Δ FREE LENGTH45 ± .03
- Δ Δ TYPE OF ENDS PLAIN ENDS GROUND
- Δ Δ ROUNDED R.H.
- Δ Δ MEAN ASSEMBLED HEIGHT25
- Δ Δ LOAD AT MEAN ASSEMBLED HEIGHT 15.5 LBS. ± 2.5 LBS.
- Δ Δ MINIMUM OPERATING HEIGHT234
- Δ Δ LOAD AT MINIMUM OPERATING HEIGHT 16.74 LBS. ± 2.70 LBS.
- Δ Δ LBS. PER INCH OF SPRING DEFLECTION 70 APPROX
- Δ Δ SPRING FUNCTIONS IN HOLE216
- Δ Δ SPRING FUNCTIONS OVER ROD120
- Δ Δ CALCULATED MAXIMUM SOLID HEIGHT201

Δ CAUTION: DO NOT COMPRESS SOLID.

NOTE:

0.5% 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 10.5 LBS.

SPRING, OIL BUFFER RELIEF VALVE A9393

STEEL 1085, QQ-W-470

5009393

Δ MANUFACTURING DATA

Δ MANDATORY REQUIREMENTS

NOTE: - BEND END COIL ON BOTH ENDS
IN TOWARDS THE CENTER BY ABOUT .015.

SUPERSEDES OLD TRACING A9393
UNDER REVISION DATE OF DEC. 18, 1941

US ARMY WEAPONS COMMAND
A 5009393

17 10/11/1941/10/11/1941

A 9393

DFTSMAN	TRACER	LOG DFTSMAN
REG	R.S.	8.14
CHECKER	8.14	CHIEF DFTSMAN
SUBMITTED	8.14	8.14
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:-		
LT COL ORD. DEPT., U.S.A.		

Best Copy Available

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