

RESEARCH & DEV. DEPT.

DATE 3/19/50

HEAVY COMP

DATE BY DATE DATE BY DATE DATE BY DATE

REVISION RECORD

PART USE QUAN. SER

HEAVY SPRING

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THIS DRAWING OR INFORMATION IS
PROPRIETARY INFORMATION TO THE
REMINGTON ARMS COMPANY, INC.

RECOMMENDED MATL. & HEAT TREAT

Material

Heat Treat

Approval (By Date)

INSPECTION

1. To work freely in .15 dia. hole
2. To work freely on 7 dia. pin
3. Load 6.20 to 6.8 lb. at 3.30 length (with set removed)
4. Solid Height 3.03 max.
5. Free Length 4.60 min.
6. Ends sq + GR
7. Wind A H
8. Remove set file
(No [except for inspection])

MANUFACTURE

9. Wire dia. .026
10. Outside dia. .146
11. Free Length .485 (with set removed)
12. Coils 9.6 Active 11.6 Total

DESIGN DATA

13. Rate 41.14 lb./in.
14. Solid Stress 179,684 lb./sq. in.
15. Solid Load 7.48 lb.
16. Spring Index 4.62
17. Torsional Mod. $G = 11.5 \times 10^6$ lb./sq. in.
18. Concentric Corr. 1.341

This Spring must meet the requirements in the "Inspection" section. Figures given in the "Manufacture" section indicate the preferred Spring, but the Manufacturer may deviate from these at his own discretion. Figures in the "Design Data" section are based on those in the "Manufacture" section.

A1704

21	NO USE	12316	76	12-8
22	100-38 74NT	11667	65	2/1/20
22	100-100 HAWK	5445	RC	9-N-70
21	35153		JK	1/8/70
20	100-100 HAWK	3179	JK	10-31-69
ALT	WAB	REFERENCE	BY	DATE
ALTERATIONS				
TPA3 REV. 2				