

SK-A-3791

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NUMBER		REMINGTON ARMS CO. INC.	
		RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES-REFERENCE	
TITLE SPRING, COMPRESSION (HELICAL)			
DES. BY DATE F. MARTIN	DRW. BY DATE	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
NBAR	BOLT STOP SPRING		
"	" LOCK "		

RECOMMENDED MATL. & HEAT TREAT
 Material MUSIC WIRE
 Heat Treat STRESS RELIEVE
 Approval (By Date)

INSPECTION

- To work freely in .097 dia. hole
- To work freely on — dia. pin
- Load 1.97 to 2.32 lb. at .290 length (with set removed)
- Solid Height .220 max. 7. Wind OPT H
- Free Length .335 min. 8. Remove set (Yes
- Ends SQUARED & GROUND (No [except for inspection])

MANUFACTURE

- Wire dia. .018
- Free Length .350 (with set removed)
- Outside dia. .093
- Coils 10 Active 12 Total

DESIGN DATA

- Rate 35.77 lb./in.
- Spring Index 4.17
- Solid Stress 217,309 lb./sq. in.
- Torsional Mod. $G = \frac{11.5 \times 10^6}{\text{lb./sq. in.}}$
- Solid Load 4.79 lb.
- Concentric Corr. 1.38

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.

ALT.	WAS	REFERENCE	BY	DATE

TFA-2 REV 2 ALTERATIONS

N.S. 10 1953

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