

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	DRN. 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.
- Free Length .335 min.
- Ends SQUARED & GROUND (No [except for inspection])
- Wind OPT H
- Remove set (Yes)

MANUFACTURE

- Wire dia. .018
- Outside dia. .092
- Free Length .350 (with set removed)
- Coils 10 Active 12 Total

DESIGN DATA

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

K.N.S. 10 1953

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