

SK A-3789

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NUMBER		REMINGTON ARMS CO. INC.	
		RESEARCH & DEV. DEPT	
SCALE	SUPERSEDES-REFERENCE		
2			
TITLE			
SPRING, COMPRESSION (HELL'AL)			
DES. BY DATE	DRN. BY DATE	CHK. BY DATE	APP. BY DATE
F. MARTIN	26 APR 64		
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
ABAR	SEAR SPRING		

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

INSPECTION

- To work freely in .220 dia. hole
- To work freely on .125 dia. pin
- Load 5.55 to 6.70 lb. at .340 length (with set removed)
- Solid Height .275 max. 7. Wind Optional H
- Free Length .465 min. 8. Remove set Yes
- Ends SQUARED + GRIND (No [except for inspection])

MANUFACTURE

- Wire dia. .034
- Free Length .480 (with set removed)
- Outside dia. .210
- Coils 6 Active 8 Total

DESIGN DATA

- Rate 58.73 lb./in.
- Spring Index 5.18
- Solid Stress 180,049 lb./sq. in.
- Torsional Mod. G = 11.5 $\times 10^6$ lb./sq. in.
- Solid Load 12.22 lb.
- Concentric Corr. 1.30

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-3 REV 2				
ALTERATIONS				

NBS 10 083-

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