

NUMBER <b>SK-A-3626</b>		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES-REFERENCE	
TITLE <b>SPRING, COMPRESSION</b> #2			
DES. BY DATE <b>S. PINELLI</b>	DRN. BY DATE <b>F. MARTIN</b>	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
<b>M-100</b>	<b>BOIT LOCK DET. SPR</b>		

## RECOMMENDED MATL. &amp; HEAT TREAT

Material MUSIC WIRE

Heat Treat

Approval (By Date)

## INSPECTION

- To work freely in .081 dia. hole
- To work freely on .046 dia. pin
- Load 1.1 to 1.4 lb. at .220 length (with set removed)
- Solid Height .080 max.
- Free Length .245 min.
- Ends PLAIN NOT GROUND (No [except for inspection])
- Wind 0 pr. H
- Remove set (~~Yes~~)

## MANUFACTURE

- Wire dia. .013
- Outside dia. .077
- Free Length .260 (with set removed)
- Coils 5 Active 5 Total

## DESIGN DATA

- Rate 31.33 lb./in.
- Solid Stress 556,500 lb./sq. in.
- Solid Load 5.7 lb.
- Spring Index 4.92
- Torsional Mod.  $G = \frac{11.5}{10^6}$  lb./sq. in.
- Concentric Corr. 1.316

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
ALTERATIONS				

TFA-3 REV. 2

N.W.S. 10 1153-