

SK A-3789

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| NUMBER SK A-3789 | | REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT | |
| SCALE <u>2</u> | | SUPERSEDES-REFERENCE | |
| TITLE SPRING, COMPRESSION (HELL'AL) | | | |
| DES. BY DATE F. MARTIN | DRN. BY DATE 26 APR 64 | CHK. BY DATE | APP. BY DATE |
| FOR DETAILS, SEE PROCESS RECORD | | | |
| MODEL NBAR | PART USE SEAR SPRING | QUAN. | SEE |

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 + GROUND (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.

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| ALT. | WAS | REFERENCE | BY | DATE |
| ALTERATIONS | | | | |

TFA-3 REV 2
MMS 10 083-

SK A 3789