

SK A-379Z

NUMBER
SK A-379Z

REMINGTON ARMS CO. INC.
RESEARCH & DEV. DEPT.
SCALE SUPERSEDES-REFERENCE

TITLE
SPRING, COMPRESSION (HEAVY)

DES. BY DATE
F. MARTIN

DRN. BY DATE

CHK. BY DATE

APP. BY DATE

FOR DETAILS, SEE PROCESS RECORD

MODEL	PART USE	QUAN.	SEE
	Root (on Cam) Springs		

ALT.	WAS	REFERENCE	BY	DATE

TFA-3 REV 2
ALTERATIONS

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

INSPECTION

- 1. To work freely in .260 dia. hole
- 2. To work freely on .220 dia. pin
- 3. Load 1.20 to 1.63 lb. at .075 length (with set removed)
- 4. Solid Height .055 max.
- 5. Free Length .285 min.
- 6. Ends PLAIN
- 7. Wind OPT. H
- 8. Remove set ~~Yes~~
(No [except for inspection])

MANUFACTURE

- 9. Wire dia. .018
- 10. Outside dia. .247
- 11. Free Length 300 (with set removed)
- 12. Coils 2 Active 2 Total

DESIGN DATA

- 13. Rate 6.28 lb./in.
- 14. Solid Stress 352,729 lb./sq. in.
- 15. Solid Load 1.55 lb.
- 16. Spring Index 12.72
- 17. Torsional Mod. G = 11.5 x 10⁶ lb./sq. in.
- 18. Concentric Corr. 1.11

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.

SK A-379Z