

NUMBER A-EX-1410		REMINGTON ARMS CO. INC. ILION RESEARCH DIV.		THIS DRAWING OR INFORMATION IS PROPRIETARY INFORMATION TO THE REMINGTON ARMS COMPANY, INC.		RECOMMENDED MATERIAL AND HEAT TREAT MATERIAL MUSIC WIRE HEAT TREAT STRESS RELIEVE	
		SCALE	SUPERSEDES	REFERENCE			
TITLE SPRING.HELICAL COMPRESSION							
DES. BY DATE	ORD. BY DATE	CHG. BY DATE	APP. BY DATE				
FMS 5-1-85	DSF 5-19-85	5/12/3/85					
MODEL	PART USE			QUAN.			
NBAR	TRIGGER SPRING			1			

INSPECTION

1. TO WORK FREELY IN A .112 DIA. HOLE
2. TO WORK FREELY ON A _____ DIA. PIN
3. LOAD = 2.6 TO 3.0 LB. AT .545 LENGTH
(WITH SET REMOVED)
4. SOLID HEIGHT= .446 MAX.
5. FREE LENGTH= .620 MIN.
6. WIND RIGHT H
7. ENDS PLAIN

MANUFACTURE

9. WIRE DIAMETER .022 11. FREE LENGTH .650

10. OUTSIDE DIA. .109 12. COILS: ACTIVE 19

TOTAL 19

DESIGN DATA

13. SPRING RATE 28.91 LB./IN

14. SOLID STRESS 166,700 LB./SQ.IN

15. SPRING INDEX 3.95

16. SOLID LOAD 6.66 LBS.

17. TORSIONAL MODULAS G= 11,500,000 LB./SQ.IN

18. WAHL FACTOR 1.41

THIS SPRING MUST MEET THE REQUIREMENTS IN THE INSPECTION SECTION. FIGURES GIVEN IN THE MANUFACTURE SECTION INDICATE THE PREFERRED SPRING,BUT THE MANUFACTURER MAY DEVAETE FROM THESE AT HIS OWN DISCRETION. FIGURES IN THE DESIGN DATA SECTION ARE BASED ON THOSE IN THE MANUFACTURE SECTION.

A REDRAWN-REVISED		DSF	5-19-85
ALT.	DWG	REF.	BY DATE
ALTERATIONS			

CV FILENAME - RES.DSF.NBAR.TRIGGER-SPRING

A-17047