

NUMBER <h1 style="margin: 0;">A-EX-1410</h1>		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 <u>MUSIC WIRE</u> HEAT TREAT <u>STRESS RELIEVE</u>	
		SCALE	SUPERSEDES	REFERENCE			
TITLE <h2 style="margin: 0;">SPRING.HELICAL COMPRESSION</h2>							
DES. BY DATE	DES. 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
10. OUTSIDE DIA. .109
11. FREE LENGTH .650
12. COILS: ACTIVE 19  
TOTAL 19

  

### DESIGN DATA

13. SPRING RATE 28.91 LB./IN
14. SOLID STRESS 165,700 LB./SQ.IN
15. SPRING INDEX 3.95
16. SOLID LOAD 6.65 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 DEVIATE 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.	DMS	REF.	BY	DATE	
ALTERATIONS					

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

A-17047

A 93656