

NUMBER A-15411		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE		SUPERSEDES REFERENCE	
TITLE SPRING			
DES. BY DATE	DRN. BY DATE	CHK BY DATE	APP BY DATE
	12/2/61	12/2/61	12/2/61
FOR DETAILS SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
100	MAIN SPRING	1	
200	MAIN SPRING	1	
660	MAINSRING		
600	MAIN SPRING	1	
7LWT			

4	ALL USE 7LWT	11267	CP	9/8/62
3	ADD MCHWK USE 600	8442	RE	9-10-60
2	ADD USE 660	2259	9P	10/1/62
1	ADD USE 600	4509	CP	2-7-62
ALT.	WAS	REFERENCE	BY	DATE
ALTERATIONS				

DO NOT SCALE THIS DRAWING. WORK TO FIGURES UNLESS OTHERWISE NOTED. TOLERANCES ON DECIMAL DIMENSIONS ARE $\pm .005$ & ON FRACTIONAL DIMENSIONS $\pm \frac{1}{64}$ & ON ANGULAR DIMENSIONS $\pm 00^{\circ}30'$. FINISHES ARE DESIGNATED BY ROOT MEAN SQUARE (R.M.S.) MICRO-INCH ROUGHNESS VALUES AND ARE THE MAXIMUM ROUGHNESS ACCEPTABLE UNLESS OTHERWISE SPECIFIED. FINISH ROUGHNESS TO BE $\sqrt{125}$ OR BETTER.

THIS DRAWING OR INFORMATION IS PROPRIETARY INFORMATION TO THE REMINGTON ARMS COMPANY, INC.

SECTION

- To work freely in .420 dia. hole AT WORKING LENGTH .605
- To work freely on 283 dia. pin
- Load 27.2 to 30.0 lb. at .605 length (with set removed)
- Solid Height .443 max.
- Free Length 3.63 in.
- Ends SQUARE & GRIND
- Ind RIGHT
- Remove set (No except for inspection)
- Approximate length limits to nearest 64th inch at constant load in lb. and nearest 1/4 oz. Load 28 lbs. 10 ozs. at 1.2 to 1.5 in. length

MANUFACTURE

- Wire dia. .055
- Outside dia. .405
- Free Length 3.85 with SET SET 1.0
- Coils 24 Active 26

DESIGN DATA

- Rate 2.7 lb./in.
- Solid Stress 75,000 lb./sq. in.
- Solid Load 30.7 lb.
- Spring Index 6.4
- Torsional Mod. 11.5 in.
- Concentric Corr. .08

This Spring must meet the requirements in the "Inspection" section. If given in the "Manufacture" section indicate the preferred Spring, but the Manufacturer may deviate from this set his own discretion. Figures in "Design Data" section are to be used in the "Manufacture" section.