

REMINOTON ARMS CO. INC.			
RESEARCH & DEV. DEPT.			
A-17047			
JUL 5 1950			
TITLE SPRING. HELICAL COMP			
DES. DATE: JUL 5 1949 CHK. BY DATE: APP. BY DATE:			
MODEL	PART USE	QUAN	SEC
750	SEAR SPRING		
401B	SEAR SPRING		
401CF	SEAR SPRING		
660	SEAR SPRING		
412-ER	SEAR SPRING FOR TRIGGER		
660	SEAR SPRING		
7LWT			

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

RECOMMENDED MATL. & HEAT TREAT
Material
Heat Treat
Approval (By Date)

INSPECTION

- To work freely in .151 dia. hole
- To work freely on — dia. pin
- Load .60 to 6.8 lb. at .330 length (with set removed)
- Solid Height .303 max. 7. Wind. R H
- Free Length .460 min. 8. Remove set: 
- Ends sq + GR (No except for inspection)

MANUFACTURE

- Wire dia. .026
- Free Length .485 (with set removed)
- Outside dia. .146
- Coils 9.6 Active 11.6 Total

DESIGN DATA

- Rate 41.14 lb./in.
- Spring Index 4.62
- Solid Stress 174,684 lb./sq. in.
- Torsional Mod. G: 11.5×10^6
- Solid Load 7.48 lb.
- Concentric Corr. 1.341

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.

23	ADVISE 7LWT	11667	665	7/1/52
22	ADD HOLE IN K	8445	RC	9-11-70
21	USE 660			
21	.153		JK	1/8/50
20	REVISED REG. 12/11/51	8179	JK	10/31/69

A17047

NUMBER A-7047		REMINGTON ARMS CO. INC. RESEARCH & DEV. DEPT.	
SCALE 7/8		SUPERSEDES-REFERENCE 51A-1950	
TITLE SPRING, HELICAL COMP.			
DES. BY DATE W B 6/19/69	DRM. BY DATE	CHK. BY DATE	APP. BY DATE
FOR DETAILS, SEE PROCESS RECORD			
MODEL	PART USE	QUAN.	SEE
700	SEAR SPRING		
700B	SEAR SPRING		
700CF	SEAR SPRING		
660	SEAR SPRING		
700B-IFR	SEAR SPRING FOR TRIGGER		
700	SEAR SPRING		
7LWT			

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RECOMMENDED MATL. & HEAT TREAT
Material
Heat Treat
Approval (By Date)

.220 Dia. Hole.
.375 Working Length
.025 Deflection

INSPECTION

- To work freely in .151 dia. hole
- To work freely on — dia. pin
- Load 6.0 to 6.8 lb. at .330 length (with set removed)
- Solid Height .303 max. 7. Wind 200° H
- Free Length .460 min. 8. Remove set —
- Ends SQ + GR (No [except for inspection])

MANUFACTURE

- Wire dia. .026
- Free Length .485 (with set removed)
- Outside dia. .146
- Coils 9.6 Active 11.6 Total

DESIGN DATA

- Rate 41.14 lb./in.
- Spring Index 4.62
- Solid Stress 174,689 lb./sq. in.
- Torsional Mod. $G = 11.5 \times 10^6$ lb./sq. in.
- Solid Load 7.48 lb.
- Concentric Corr. 1.341

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.

23	ADD USE 7LWT	1166706R	12/6/69
22	ADD MOHAWK US 600	8445	RC 9-11-70
21	.153		JK 1/8/70
20	REVISED-REDRAWN	8179	JK 10/31/69
ALT.	WAS	REFERENCE BY	DATE
ALTERATIONS			

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