

C6498804

1.69

MODEL 700™ M24

Model SMS™

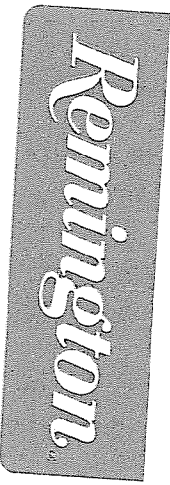
Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Remington®



VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.

C6498804

ORDER NO.

5716

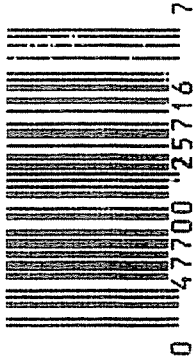
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6498804

UPC



0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498804

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9 90		RW
600	Proof	5 9 90		RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KeR
	Magnaflux Bolt	5-15-90		KeR
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	WB
618	Polish Barrel RWB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5/25/90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	GU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/31/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			5/31/90	WB
	H) Trigger Pull Test & Retainability						5/30/90	SH
	I) Firing Pin Indent	.0225	.0225	.0225			5/31/90	WB
	J) Assemble Stock						6/7/90	Rev
	K) Assemble Swivel Studs						6/13/90	SH
	L) Attach Front and Rear Sight Assemblies						6/7/90	Rev
	M) Iron Sight Alignment						6/7/90	Rev
	N) Detach Front & Rear Sights & place in numbered container						6/7/90	Rev
	O) Attach Scope to Rifle						6/8/90	SH
	P) Detach & Attach Scope 20 Times						6/8/90	SH
640	Gallery Target & Test						6-9-90	DAH
	A) Time						6-9-90	DAH
	B) Malfunctions						6-9-90	DAH
	C) Pierced Primers						6-9-90	DAH
	D) Optical Clarity of Scope						6-9-90	DAH
645	Inspect for Live Ammo						6-9-90	DAH
655	Final Inspection							
	A) Headspace						6/13/90	SH
	B) Trigger Pull	2.37	2.37	2.35	2.33	2.34	6/13/90	GS.
	C) Function						6/13/90	SH
660	Pack						6-19-90	DAH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498804

DATE 5/30/90

TESTER JLP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.45	2.40	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.41	2.36	2.37	
PULL #3	2.41	2.46	2.46	2.35	
PULL #4	2.43	2.49	2.30	2.33	
PULL #5	2.40	2.41	2.43	2.34	
TOTAL	12.09	12.22	11.95		
AVG.	2.418	2.444	2.39		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.28		
PULL #2	3.30	3.29		
PULL #3	3.35	3.28		
PULL #4	3.33	3.28		
PULL #5	3.32	3.29		
TOTAL	16.69	16.42		
AVG.	3.338	3.284		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.37		4.39
PULL #2	4.12	4.36		4.22
PULL #3	4.47	4.39		4.41
PULL #4	4.36	4.38		4.40
PULL #5	4.32	4.39		4.40
TOTAL	21.55	21.89		21.82
AVG.	4.31	4.378		4.364

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498804
11 Jun 1990

CENTROIDAL DISTANCES

0 TO 1	.14046
1 TO 2	.448219
1 TO 3	.389895
1 TO 4	.788812
1 TO 5	.67804

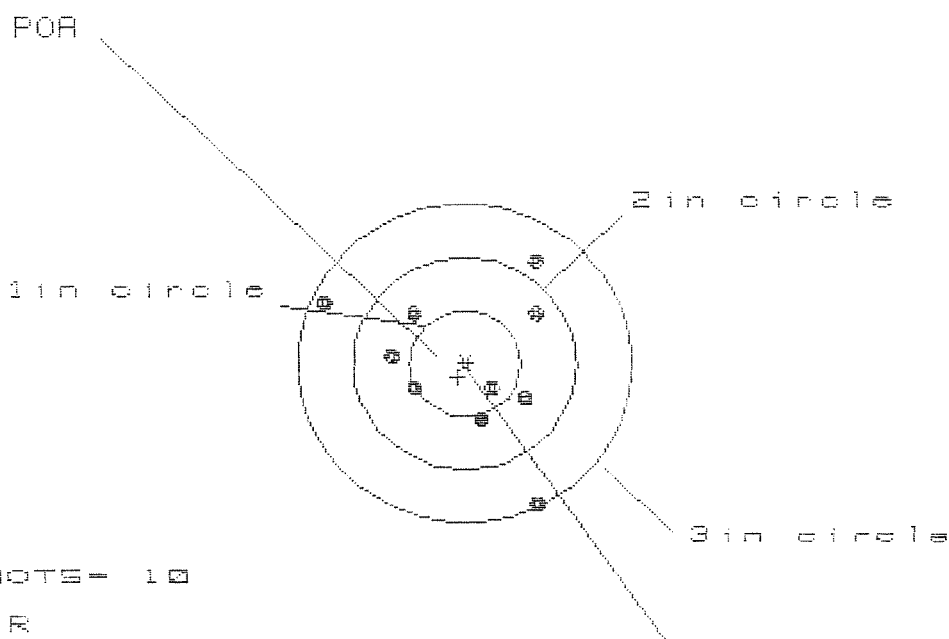
$\frac{1}{5}$
 $\frac{1}{5} \sum_{j=1}^5 x_j^2$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2768
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3662
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .459843
THE AMR FOR THIS RIFLE IS: .9176

9 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS438884

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.927

VS= 2.316

GS= 2.724

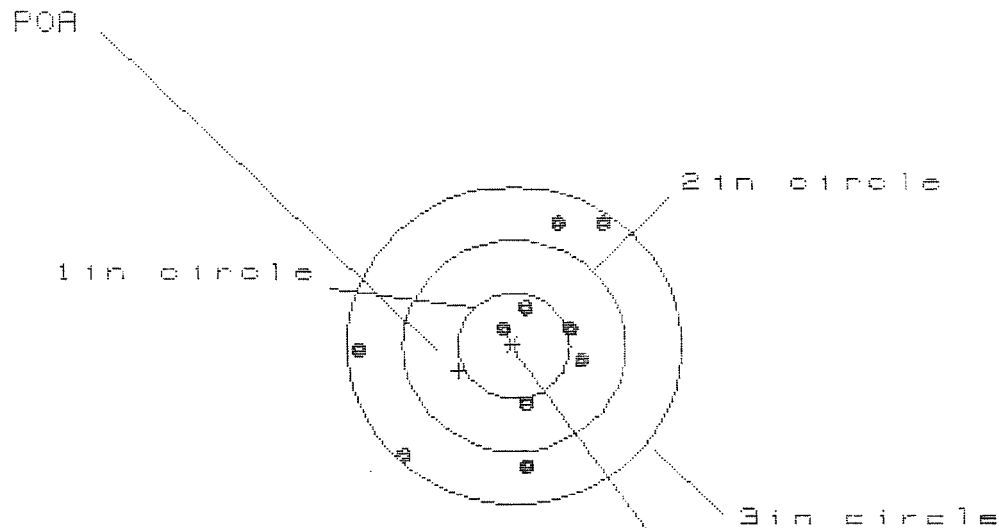
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.684	.750	.604
MINIMUM X	:	-1.243	-1.167	-.694
MAXIMUM Y	:	.997	.851	.908
MINIMUM Y	:	-1.319	-.653	-.596
CENTROID X	:	.060	-.016	.130
CENTROID Y	:	.127	.273	.216
POA TO CENTROID in.	:	.140	.274	.252
MIN RADIUS	:	.295	.457	.336
MEAN RADIUS	:	.813	.743	.665
MAX RADIUS	:	1.486	1.254	1.073
HORIZONTAL SPREAD	:	1.927	1.917	1.298
VERTICAL SPREAD	:	2.316	1.504	1.504
EXTREME SPREAD	:	2.724	1.993	1.634
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6496884

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.210

VS= 2.353

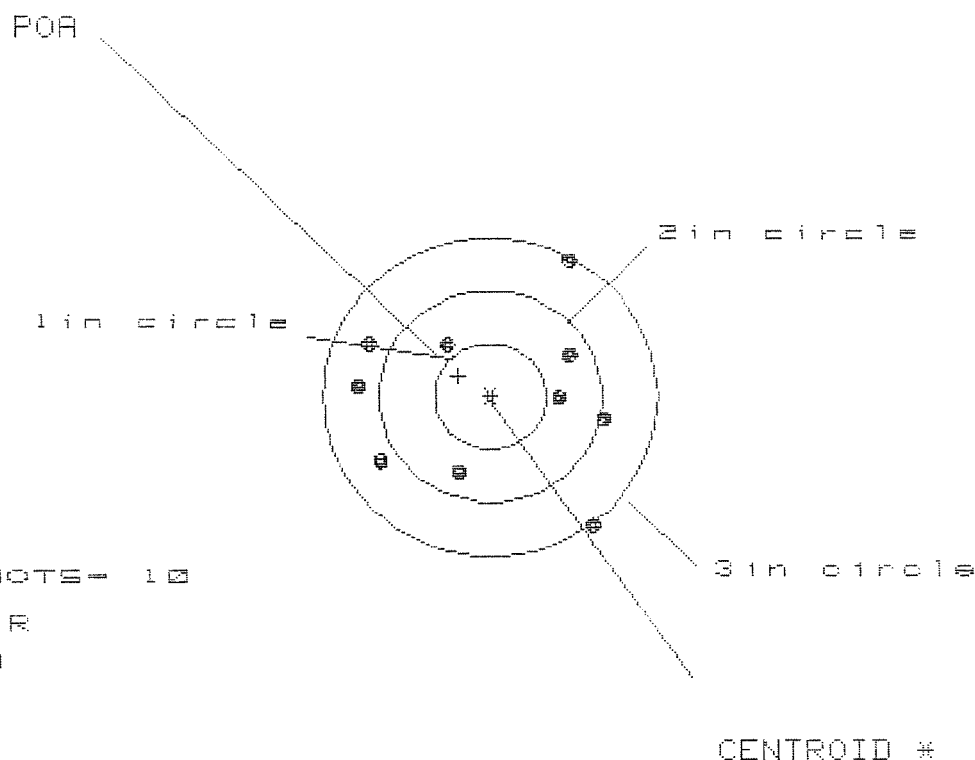
GS= 2.871

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.780	.672	.480
MINIMUM X	:	-1.430	-1.538	-.420
MAXIMUM Y	:	1.198	1.078	1.060
MINIMUM Y	:	-1.155	-1.275	-1.293
CENTROID X	:	.494	.602	.794
CENTROID Y	:	.239	.360	.378
POA TO CENTROID in.	:	.549	.701	.879
MIN RADIUS	:	.164	.200	.176
MEAN RADIUS	:	.889	.883	.694
MAX RADIUS	:	1.452	1.544	1.303
HORIZONTAL SPREAD	:	2.210	2.210	.900
VERTICAL SPREAD	:	2.353	2.353	2.353
EXTREME SPREAD	:	2.871	2.522	2.435
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/08438004

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 2.157

VS= 2.533

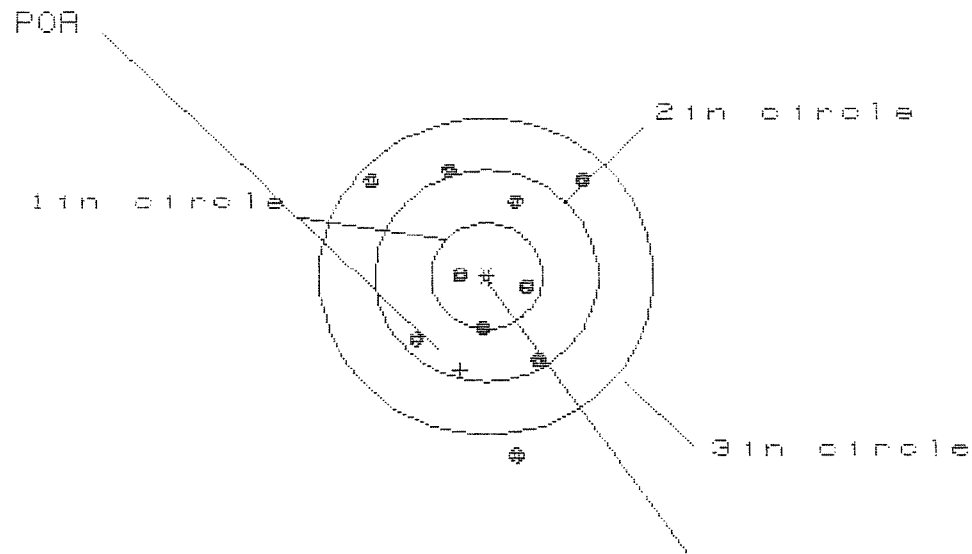
GS= 2.655

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.976	1.075	1.178
MINIMUM X	:	-1.181	-1.082	-.979
MAXIMUM Y	:	1.319	1.184	.542
MINIMUM Y	:	-1.214	-.826	-.677
CENTROID X	:	.287	.188	.085
CENTROID Y	:	-.190	-.055	-.204
POA TO CENTROID in.:	:	.344	.196	.221
MIN RADIUS	:	.600	.433	.498
MEAN RADIUS	:	1.033	.971	.900
MAX RADIUS	:	1.507	1.441	1.194
HORIZONTAL SPREAD	:	2.157	2.157	2.157
VERTICAL SPREAD	:	2.533	2.010	1.220
EXTREME SPREAD	:	2.655	2.574	2.213
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.877

VS= 2.639

GS= 2.886

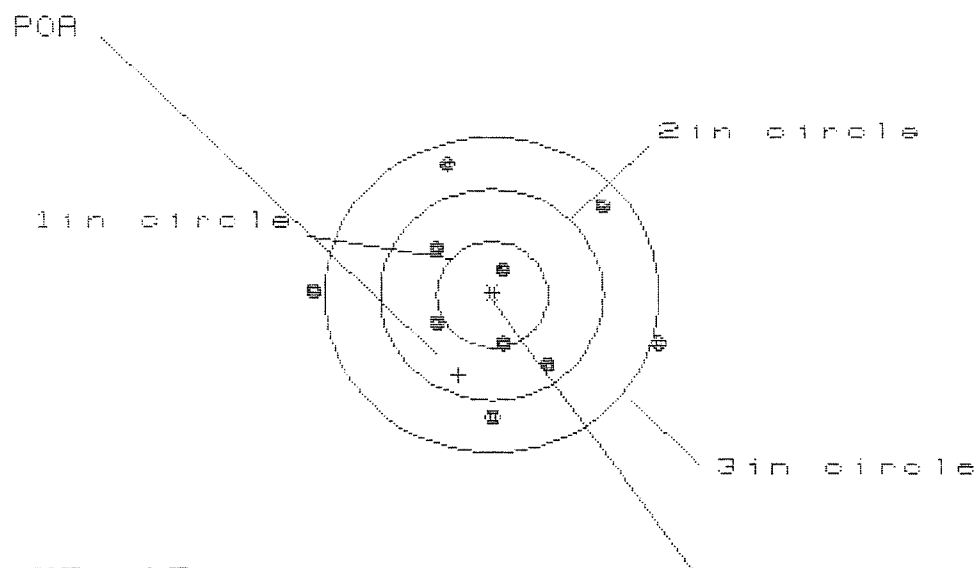
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.842	.876	.751
MINIMUM X	:	-1.035	-1.001	-.711
MAXIMUM Y	:	.989	.806	.896
MINIMUM Y	:	-1.650	-.933	-.843
CENTROID X	:	.240	.206	.332
CENTROID Y	:	.895	1.078	.988
POA TO CENTROID in.	:	.927	1.098	1.042
MIN RADIUS	:	.265	.281	.296
MEAN RADIUS	:	.898	.812	.742
MAX RADIUS	:	1.678	1.236	1.074
HORIZONTAL SPREAD	:	1.877	1.877	1.461
VERTICAL SPREAD	:	2.639	1.739	1.739
EXTREME SPREAD	:	2.886	2.257	2.036
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C649B884

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.039

VS= 2.403

GS= 3.079

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.448	1.271	.942
MINIMUM X	:	-1.591	-.693	-.534
MAXIMUM Y	:	1.285	1.291	1.237
MINIMUM Y	:	-1.118	-1.112	-1.166
CENTROID X	:	.303	.480	.321
CENTROID Y	:	.760	.754	.808
POA TO CENTROID in.	:	.818	.893	.869
MIN RADIUS	:	.272	.272	.220
MEAN RADIUS	:	.955	.885	.807
MAX RADIUS	:	1.592	1.428	1.317
HORIZONTAL SPREAD	:	3.039	1.964	1.476
VERTICAL SPREAD	:	2.403	2.403	2.403
EXTREME SPREAD	:	3.079	2.552	2.437
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	