

C6498851

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.

REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

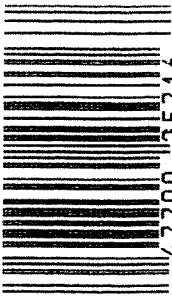
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1

SERIAL NO. C6498851

ORDER NO. 5716

UPC



0 47700 25716 7



5716 C6498851

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498851
5 Sep 1990

CENTROIDAL DISTANCES

0 TO 1	.591321
1 TO 2	.385635
1 TO 3	.928707
1 TO 4	.723946
1 TO 5	.803711

124⁷⁵ <----POA
3

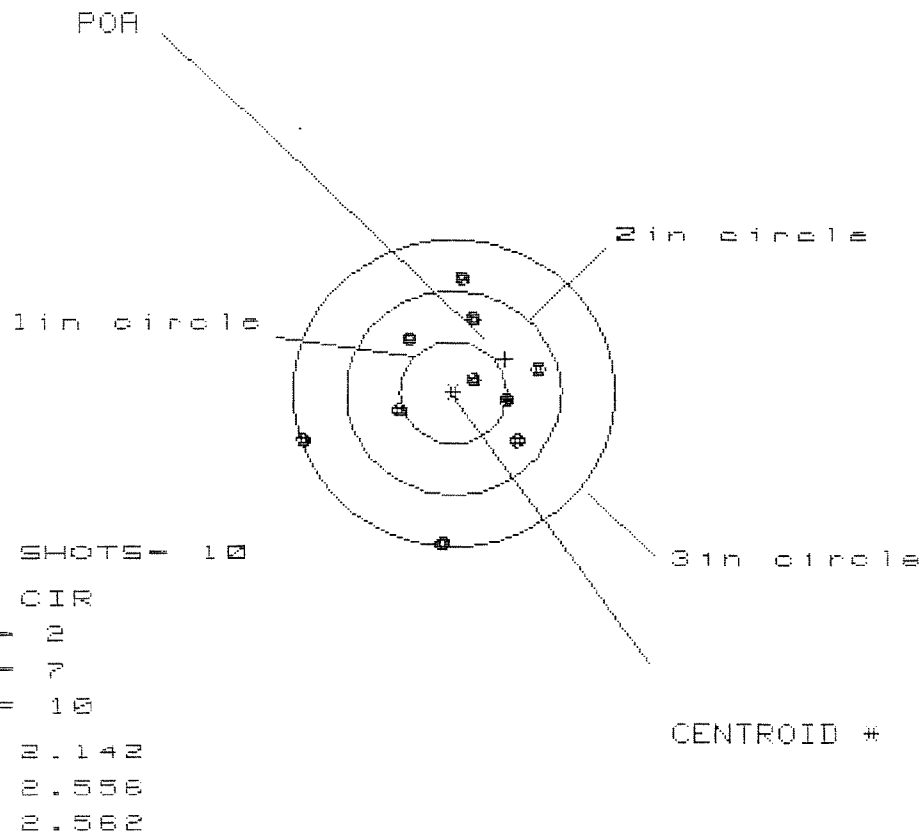
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .044
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.341
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .343827
THE AMR FOR THIS RIFLE IS: .8122

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CENTERFIRE PATTERNS

1

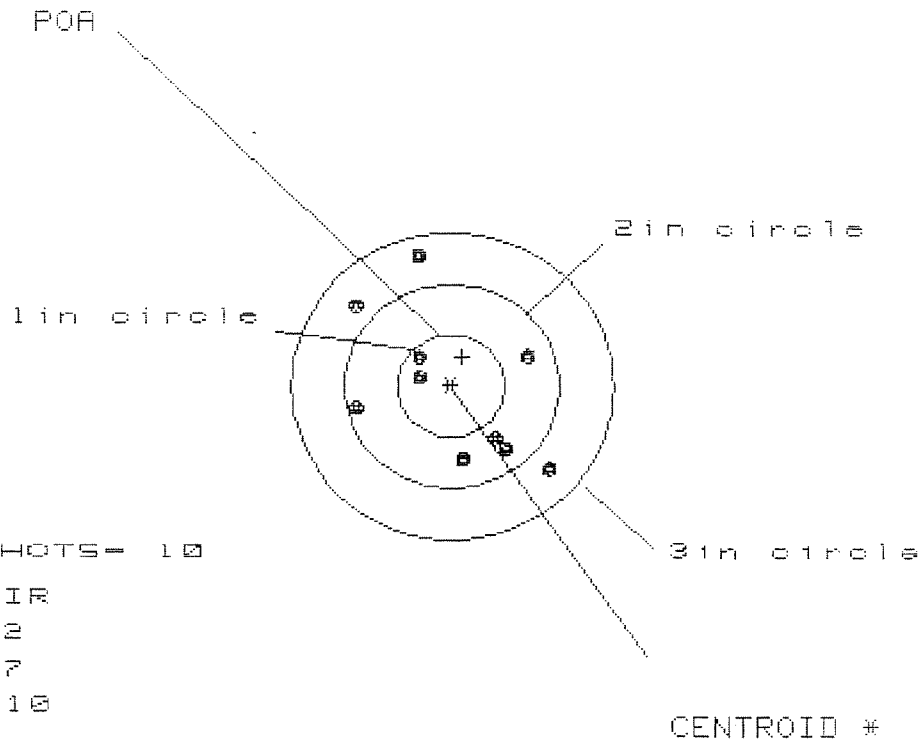


PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.771	.757	.584
MINIMUM X	:	-1.371	-1.385	-.695
MAXIMUM Y	:	1.084	.920	.845
MINIMUM Y	:	-1.472	-.611	-.686
CENTROID X	:	-.490	-.476	-.302
CENTROID Y	:	-.331	-.167	-.091
POA TO CENTROID in.	:	.591	.504	.316
MIN RADIUS	:	.278	.215	.092
MEAN RADIUS	:	.825	.726	.588
MAX RADIUS	:	1.478	1.512	.857
HORIZONTAL SPREAD	:	2.142	2.142	1.278
VERTICAL SPREAD	:	2.556	1.531	1.531
EXTREME SPREAD	:	2.562	2.247	1.636
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 10

HS = 1.822

VS = 2.155

GS = 2.480

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.920	.886	.823
MINIMUM X	:	-.902	-.936	-.826
MAXIMUM Y	:	1.333	.963	.879
MINIMUM Y	:	-.822	-.674	-.637
CENTROID X	:	-.107	-.073	-.183
CENTROID Y	:	-.286	-.434	-.350
POA TO CENTROID in.	:	.305	.440	.395
MIN RADIUS	:	.347	.444	.305
MEAN RADIUS	:	.838	.764	.713
MAX RADIUS	:	1.368	1.343	1.206
HORIZONTAL SPREAD	:	1.822	1.822	1.649
VERTICAL SPREAD	:	2.155	1.637	1.516
EXTREME SPREAD	:	2.480	2.449	1.992
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 2.332

VS= 1.073

GS= 2.344

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.063	.922	.860
MINIMUM X	:	-1.269	-1.006	-.891
MAXIMUM Y	:	.401	.393	.412
MINIMUM Y	:	-.672	-.680	-.661
CENTROID X	:	.330	.471	.356
CENTROID Y	:	-.767	-.759	-.778
POA TO CENTROID in.	:	.835	.893	.856
MIN RADIUS	:	.388	.369	.405
MEAN RADIUS	:	.705	.633	.588
MAX RADIUS	:	1.271	1.035	.929
HORIZONTAL SPREAD	:	2.332	1.928	1.751
VERTICAL SPREAD	:	1.073	1.073	1.073
EXTREME SPREAD	:	2.344	1.930	1.809
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.149

VS= 2.210

GS= 2.549

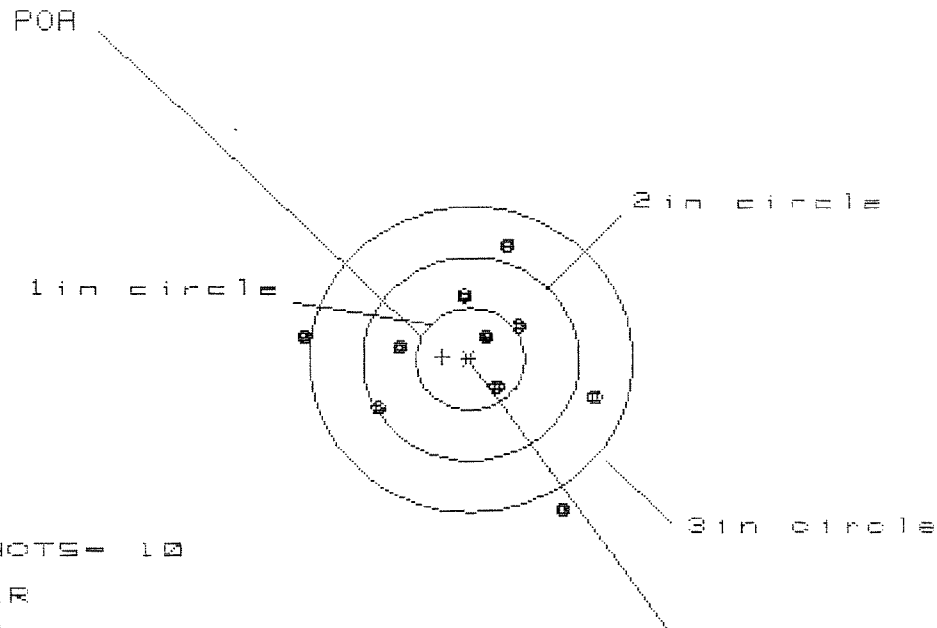
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.093	1.163	1.091
MINIMUM X	:	-1.056	-.986	-1.058
MAXIMUM Y	:	1.047	.918	.445
MINIMUM Y	:	-1.163	-.864	-.749
CENTROID X	:	.233	.163	.235
CENTROID Y	:	-.294	-.165	-.280
POA TO CENTROID in.	:	.376	.232	.365
MIN RADIUS	:	.193	.106	.178
MEAN RADIUS	:	.776	.688	.649
MAX RADIUS	:	1.322	1.167	1.091
HORIZONTAL SPREAD	:	2.149	2.149	2.149
VERTICAL SPREAD	:	2.210	1.782	1.194
EXTREME SPREAD	:	2.549	2.151	2.151
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.713

VS = 2.561

GS = 2.939

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.148	1.243	1.060
MINIMUM X	:	-1.565	-1.470	-.958
MAXIMUM Y	:	1.108	.946	.952
MINIMUM Y	:	-1.453	-.683	-.677
CENTROID X	:	.254	.159	.342
CENTROID Y	:	-.027	.135	.129
POR TO CENTROID in.	:	.255	.208	.366
MIN RADIUS	:	.228	.233	.056
MEAN RADIUS	:	.917	.817	.696
MAX RADIUS	:	1.688	1.470	1.197
HORIZONTAL SPREAD	:	2.713	2.713	2.018
VERTICAL SPREAD	:	2.561	1.629	1.629
EXTREME SPREAD	:	2.939	2.781	2.022
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 06498851

DATE 8/29/90

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.33	2.28	2.09	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.19	2.30	2.08	
PULL #3	2.35	2.26	2.26	2.09	
PULL #4	2.28	2.09	2.10	2.18	
PULL #5	2.34	2.18	2.16	2.08	
TOTAL	11.62	11.05	11.10		
AVG.	2.324	2.21	2.22		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.45		
PULL #2	3.27	3.46		
PULL #3	3.43	3.41		
PULL #4	3.47	3.42		
PULL #5	3.41	3.47		
TOTAL	17.09	17.21		
AVG.	3.418	3.442		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.16		4.21
PULL #2	4.10	4.18		4.00
PULL #3	4.10	4.15		4.23
PULL #4	4.26	4.19		4.22
PULL #5	4.25	4.22		4.24
TOTAL	20.90	20.90		20.90
AVG.	4.18	4.18		4.18

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498851

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12 90		RW
600	Proof	7 12 90		RW
607	Check Headspace	7 12 90		RW
610	Dis-assemble Gun	7 12 90		RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	GL
617	Drill and Tap Sight Holes		7/23/90	LB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-26-90	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/29/90	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			8/29/90	WB
	H) Trigger Pull Test & Retainability						8/29/90	JU
	I) Firing Pin Indent	.023	.0225	.0225			8/29/90	WB
	J) Assemble Stock						8/31/90	RW
	K) Assemble Swivel Studs						9/8/90	JS
	L) Attach Front and Rear Sight Assemblies						8/31/90	RW
	M) Iron Sight Alignment						8/31/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/31/90	RW
	O) Attach Scope to Rifle						8/31/90	RW
	P) Detach & Attach Scope 20 Times						8/31/90	RW
640	Gallery Target & Test						9-5-90	DH
	A) Time						9-5-90	DH
	B) Malfunctions						9-5-90	DH
	C) Pierced Primers						9-5-90	DH
	D) Optical Clarity of Scope						9-5-90	DH
645	Inspect for Live Ammo						9-5-90	DH
655	Final Inspection							
	A) Headspace						9/8/90	JS
	B) Trigger Pull	209	208	209	218	208	9/8/90	JS
	C) Function						9/8/90	JS
660	Pack						9-9-90	DH