

C6523319

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



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

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

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

MODEL 700™ H24	SERIAL NO. C6523319
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.	ORDER NO. 5716

Ø1


5716 C6523319

UPC


0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523319
15 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.0978621
1 TO	2	.412312
1 TO	3	.285212
1 TO	4	.168122
1 TO	5	.111647

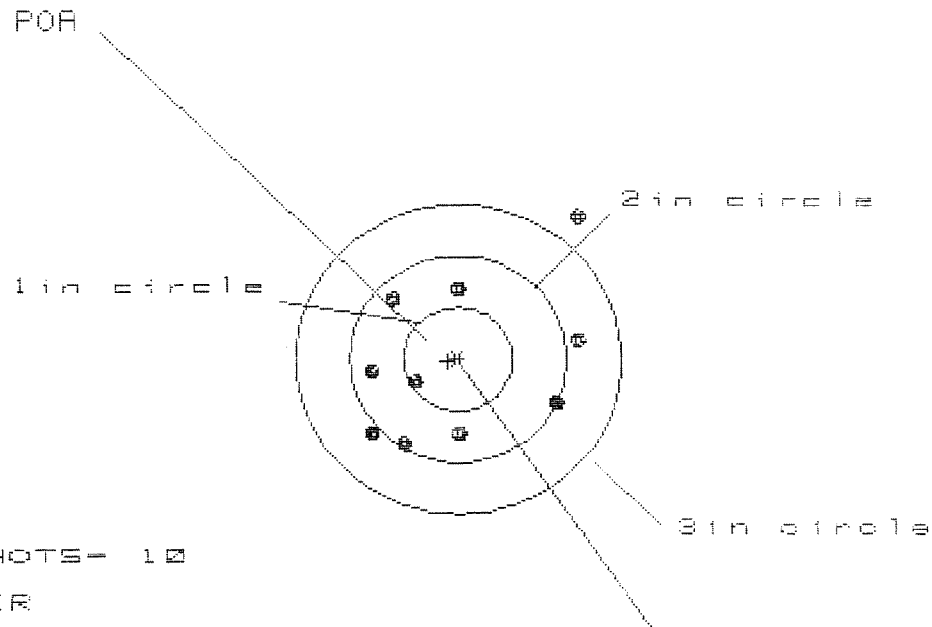
38 <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.049
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0846
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0977658
THE AMR FOR THIS RIFLE IS: .995

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523319

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.944

VS= 2.187

GS= 2.806

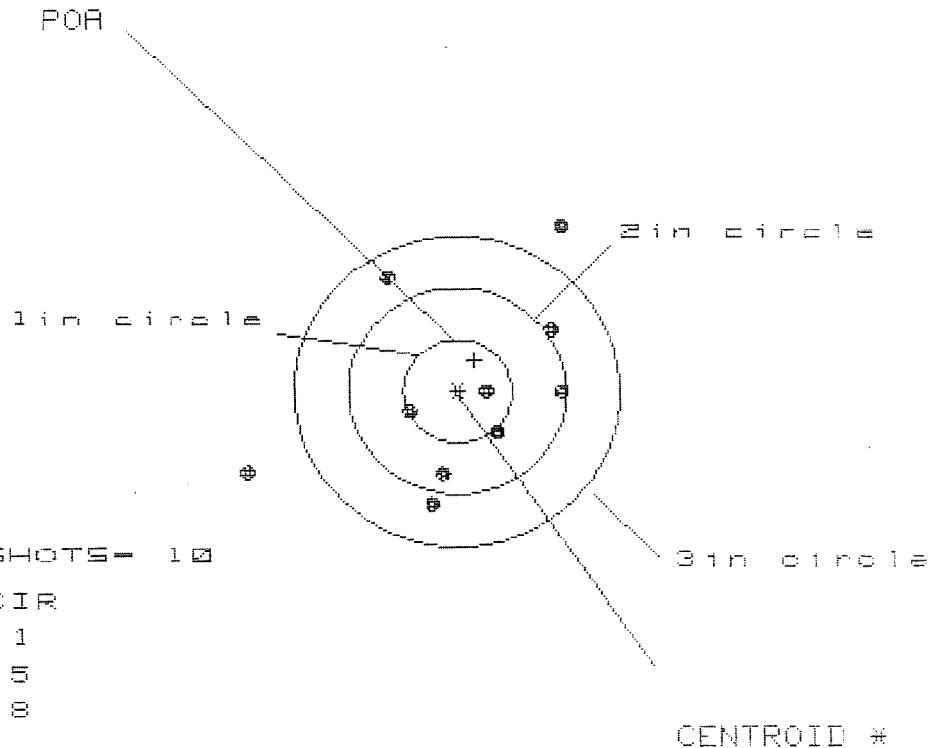
CENTROID #

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.100	1.205	1.198
MINIMUM X	:	-.844	-.722	-.572
MAXIMUM Y	:	1.405	.848	.887
MINIMUM Y	:	-.782	-.626	-.587
CENTROID X	:	.096	-.026	-.176
CENTROID Y	:	.019	-.137	-.176
POA TO CENTROID in.	:	.098	.140	.249
MIN RADIUS	:	.464	.301	.148
MEAN RADIUS	:	.936	.798	.699
MAX RADIUS	:	1.784	1.245	1.217
HORIZONTAL SPREAD	:	1.944	1.927	1.770
VERTICAL SPREAD	:	2.187	1.474	1.474
EXTREME SPREAD	:	2.806	2.041	1.794
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1988

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CENTERFIRE PATTERNS # 2

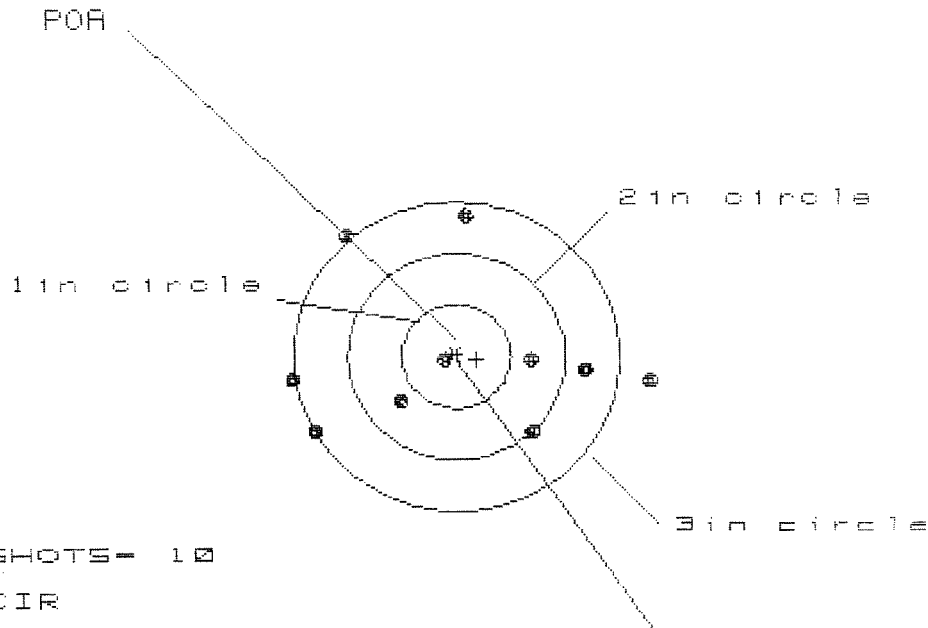


PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.969	.759	.816
MINIMUM X	:	-1.893	-.834	-.739
MAXIMUM Y	:	1.574	1.485	1.213
MINIMUM Y	:	-1.082	-1.170	-.985
CENTROID X	:	-.159	.051	-.044
CENTROID Y	:	-.305	-.217	-.402
POA TO CENTROID in.	:	.345	.222	.405
MIN RADIUS	:	.247	.090	.168
MEAN RADIUS	:	1.041	.901	.779
MAX RADIUS	:	2.055	1.667	1.420
HORIZONTAL SPREAD	:	2.862	1.593	1.555
VERTICAL SPREAD	:	2.655	2.655	2.198
EXTREME SPREAD	:	3.718	2.934	2.225
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 3.214

VS= 2.062

GS= 3.215

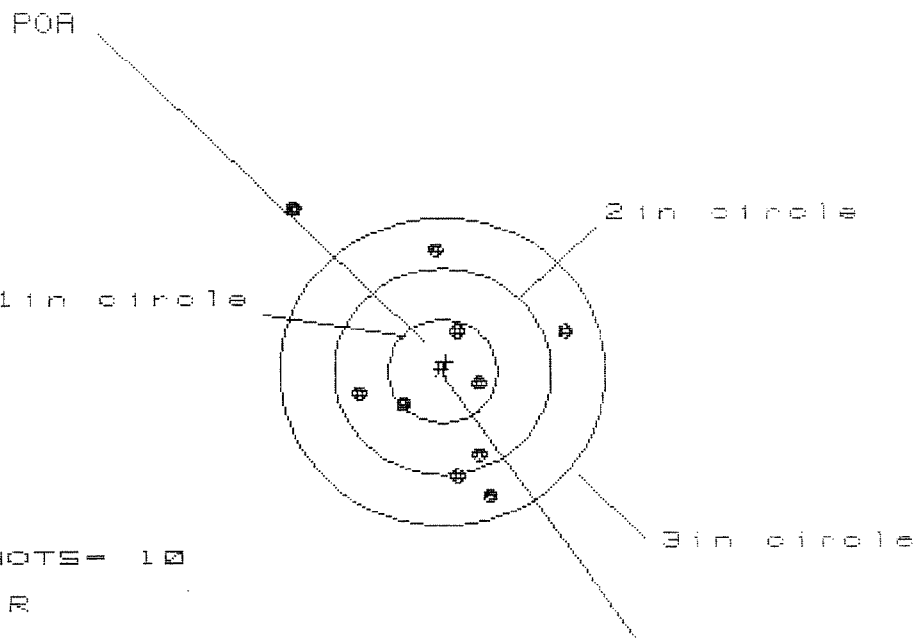
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.751
MINIMUM X	-1.463
MAXIMUM Y	1.353
MINIMUM Y	-1.709
CENTROID X	-1.189
CENTROID Y	.030
POA TO CENTROID in.	.191
MIN RADIUS	.075
MEAN RADIUS	1.111
MAX RADIUS	1.760
HORIZONTAL SPREAD	3.214
VERTICAL SPREAD	2.062
EXTREME SPREAD	3.215
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	5

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.534

VS= 2.826

GS= 3.377

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.161	1.088	1.049
MINIMUM X	:	-1.373	-.942	-.901
MAXIMUM Y	:	1.626	1.369	1.242
MINIMUM Y	:	-1.200	-1.020	-.920
CENTROID X	:	-.032	.121	.080
CENTROID Y	:	-.090	-.270	-.143
POA TO CENTROID in.	:	.095	.296	.164
MIN RADIUS	:	.317	.196	.199
MEAN RADIUS	:	.973	.813	.777
MAX RADIUS	:	2.128	1.382	1.250
HORIZONTAL SPREAD	:	2.534	1.950	1.950
VERTICAL SPREAD	:	2.826	2.389	2.162
EXTREME SPREAD	:	3.377	2.442	2.169
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

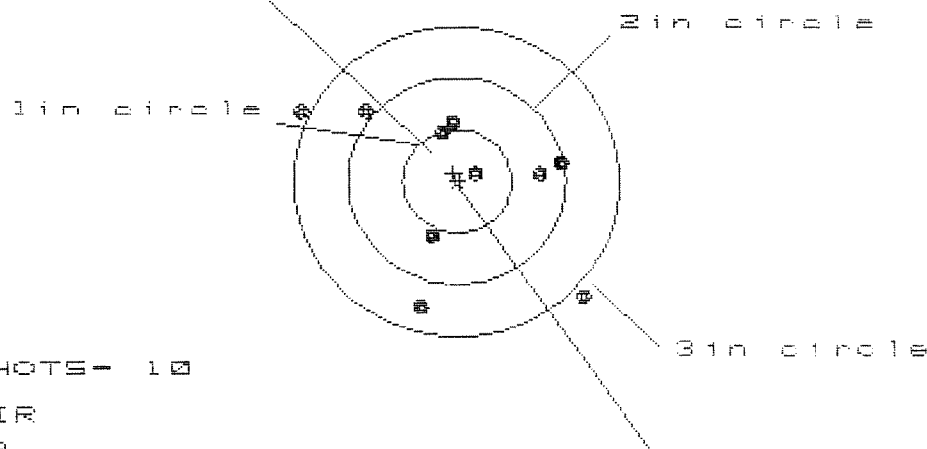
15 Sep 1998

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CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.582

VS= 1.965

GS= 3.150

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.145	.985	.945
MINIMUM X	:	-1.438	-1.021	-.898
MAXIMUM Y	:	.720	.772	.646
MINIMUM Y	:	-1.245	-1.165	-1.291
CENTROID X	:	.039	.198	.075
CENTROID Y	:	-.077	-.157	-.031
POA TO CENTROID in.	:	.086	.253	.081
MIN RADIUS	:	.125	.114	.087
MEAN RADIUS	:	.914	.833	.734
MAX RADIUS	:	1.608	1.407	1.335
HORIZONTAL SPREAD	:	2.582	2.006	1.843
VERTICAL SPREAD	:	1.965	1.937	1.937
EXTREME SPREAD	:	3.150	2.679	2.016
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523319

DATE 9/13/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.28	2.48	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.37	2.50	2.23	
PULL #3	2.47	2.52	2.48	2.18	
PULL #4	2.47	2.56	2.50	2.27	
PULL #5	2.54	2.34	2.49	2.15	
TOTAL	12.42	12.07	12.45	11.01	
AVG.	2.48	2.41	2.49	2.202	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.05		
PULL #2	3.19	3.10		
PULL #3	3.18	3.13		
PULL #4	3.17	3.13		
PULL #5	3.17	3.21		
TOTAL	15.73	15.62		
AVG.	3.14	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.19		4.04
PULL #2	4.09	4.16		4.07
PULL #3	4.09	4.14		4.12
PULL #4	4.11	4.13		4.15
PULL #5	4.18	4.17		4.11
TOTAL	20.62	20.79		20.49
AVG.	4.12	4.16		4.10

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523319

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/21/90	KCD
	Magnaflux Bolt		8/21/90	KCD
615	Rollmark Caliber		8/21/90	ES.
617	Drill and Tap Sight Holes		8/23/90	WB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/23/90	WB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/13/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/13/90	WB
	C) Inspect Ejector Hole for Chamfer		9/13/90	WB
	D) Oil Firing Pin Ass'y		9/13/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		9/13/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/13/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			9/13/90	WB
	H) Trigger Pull Test & Retainability						9/13/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			9/13/90	WB
	J) Assemble Stock						9/14/90	KA
	K) Assemble Swivel Studs						9/16/90	JD
	L) Attach Front and Rear Sight Assemblies						9/14/90	KA
	M) Iron Sight Alignment						9/14/90	KA
	N) Detach Front & Rear Sights & place in numbered container						9/14/90	KA
	O) Attach Scope to Rifle						9/14/90	KA
	P) Detach & Attach Scope 20 Times						9/14/90	KA
640	Gallery Target & Test						9/15/90	AF
	A) Time						9/15/90	AF
	B) Malfunctions						9/15/90	AF
	C) Pierced Primers						9/15/90	AF
	D) Optical Clarity of Scope						9/15/90	AF
645	Inspect for Live Ammo						9/15/90	AF
655	Final Inspection						9/16/90	JD
	A) Headspace						9/16/90	JD
	B) Trigger Pull	2.18	2.23	2.18	2.27	2.15	9/16/90	JD
	C) Function						9/16/90	JD
660	Pack						9/20/90	AF