

C6522135

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

MODEL 700™ H24

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

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

SERIAL NO.
C6522135

ORDER NO.
5716

Ø1

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

5716 C6522135

UPC

0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522135
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.106832
1 TO	2	.0473814
1 TO	3	.164539
1 TO	4	.159662
1 TO	5	.170179

5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0142
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0702
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0716218
THE AMR FOR THIS RIFLE IS: 1.083

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522135

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.468

VS= 1.544

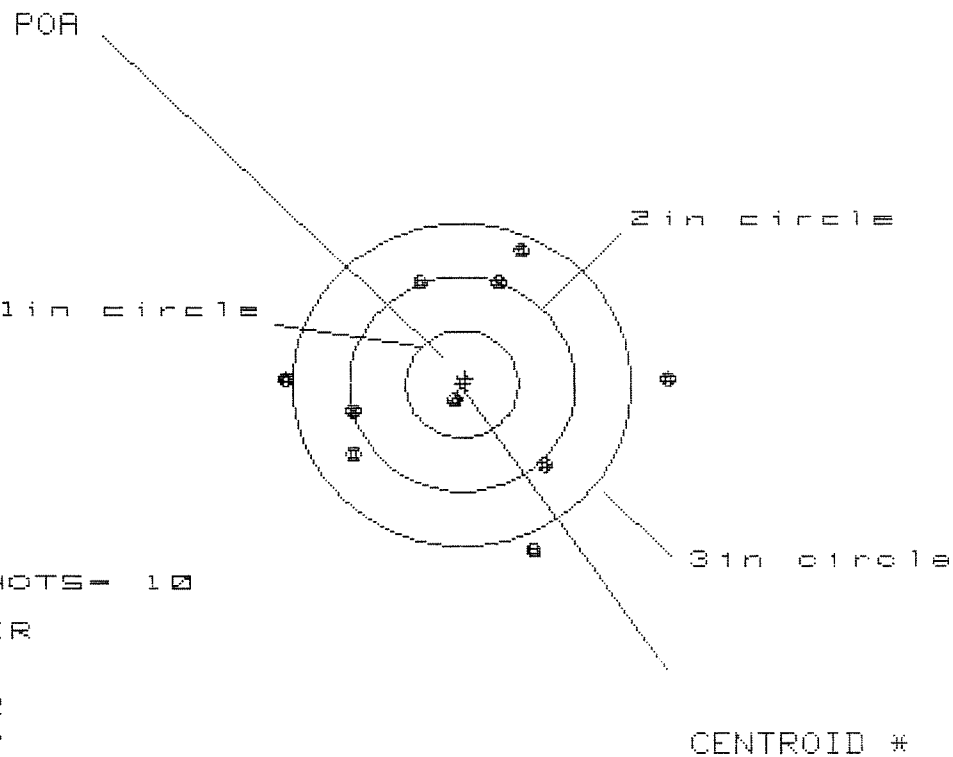
GS= 3.554

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.102	1.367	1.225
MINIMUM X	:	-1.366	-1.132	-1.082
MAXIMUM Y	:	.741	.788	.750
MINIMUM Y	:	-.803	-.756	-.794
CENTROID X	:	-.062	-.296	-.154
CENTROID Y	:	-.087	-.135	-.097
POA TO CENTROID in.	:	.107	.325	.182
MIN RADIUS	:	.469	.505	.502
MEAN RADIUS	:	1.093	.935	.913
MAX RADIUS	:	2.145	1.577	1.436
HORIZONTAL SPREAD	:	3.468	2.499	2.307
VERTICAL SPREAD	:	1.544	1.544	1.544
EXTREME SPREAD	:	3.554	2.726	2.464
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

13 Sep 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 3.421

VS= 2.824

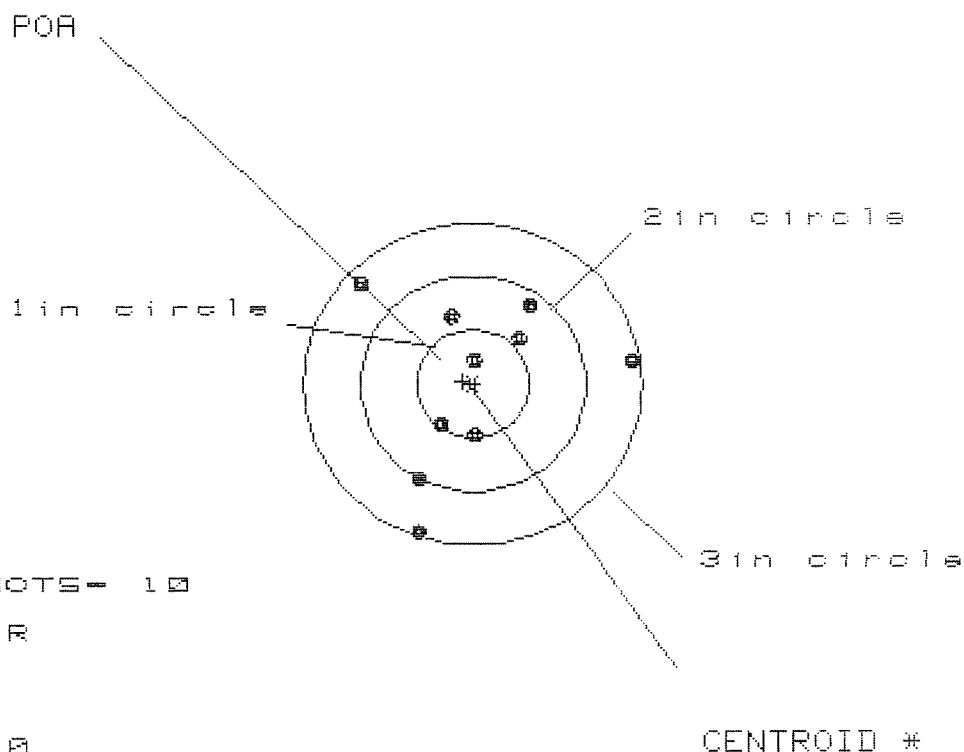
GS= 3.422

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.834	.965	1.067
MINIMUM X	:	-1.587	-1.383	-1.281
MAXIMUM Y	:	1.265	1.267	1.072
MINIMUM Y	:	-1.559	-1.557	-.956
CENTROID X	:	-.029	-.233	-.335
CENTROID Y	:	-.053	-.055	.140
POA TO CENTROID in.	:	.060	.239	.363
MIN RADIUS	:	.189	.221	.439
MEAN RADIUS	:	1.197	1.104	1.015
MAX RADIUS	:	1.834	1.759	1.432
HORIZONTAL SPREAD	:	3.421	2.348	2.348
VERTICAL SPREAD	:	2.824	2.824	2.028
EXTREME SPREAD	:	3.422	2.827	2.498
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.393

VS= 2.331

GS= 2.501

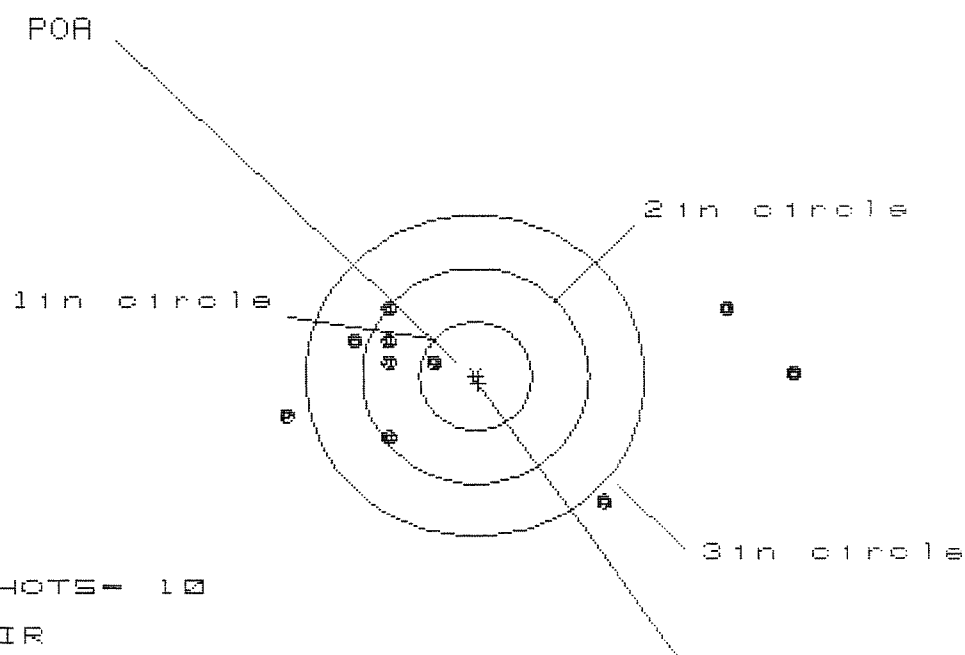
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.436	1.385	.633
MINIMUM X	:	-.957	-1.008	-.834
MAXIMUM Y	:	.929	.773	.779
MINIMUM Y	:	-1.402	-.983	-.977
CENTROID X	:	.090	.141	-.033
CENTROID Y	:	-.024	.132	.126
POA TO CENTROID in.	:	.093	.193	.130
MIN RADIUS	:	.215	.064	.159
MEAN RADIUS	:	.857	.763	.690
MAX RADIUS	:	1.474	1.386	1.142
HORIZONTAL SPREAD	:	2.393	2.393	1.467
VERTICAL SPREAD	:	2.331	1.756	1.756
EXTREME SPREAD	:	2.501	2.501	1.889
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Sep 1990

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 4.527

VS= 1.766

GS= 4.541

CENTROID *

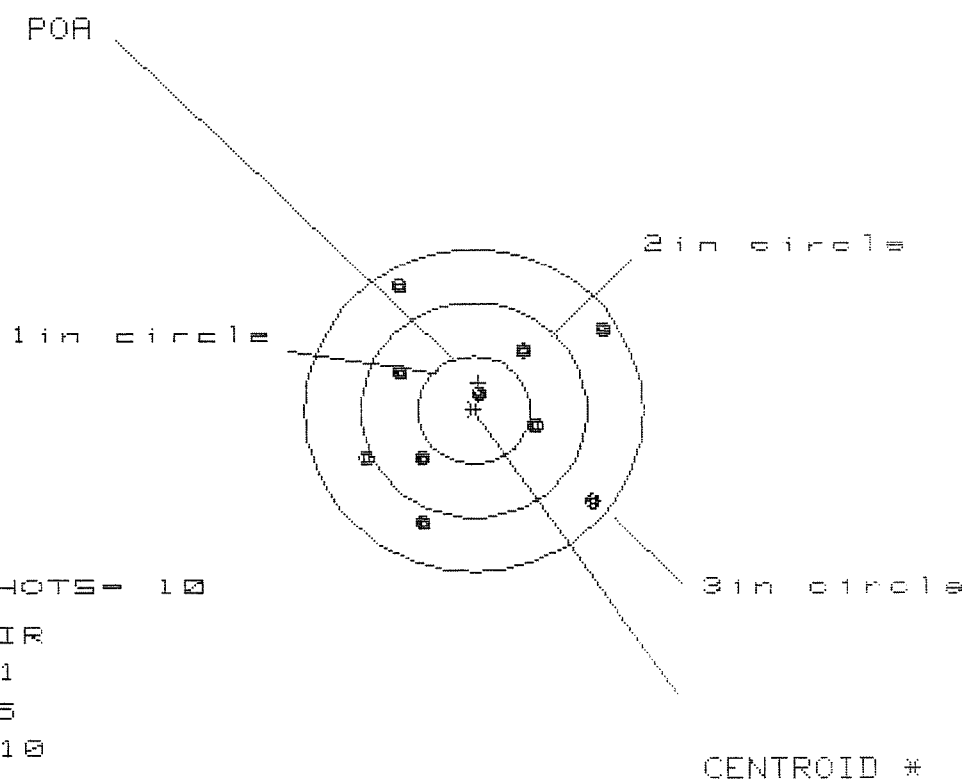
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.823	2.570	1.789
MINIMUM X	:	-1.704	-1.390	-1.069
MAXIMUM Y	:	.644	.647	.722
MINIMUM Y	:	-1.121	-1.119	-1.044
CENTROID X	:	-.028	-.342	-.663
CENTROID Y	:	.069	.066	-.009
POA TO CENTROID in.	:	.074	.348	.663
MIN RADIUS	:	.344	.099	.186
MEAN RADIUS	:	1.358	1.047	.751
MAX RADIUS	:	2.823	2.639	2.071
HORIZONTAL SPREAD	:	4.527	3.960	2.858
VERTICAL SPREAD	:	1.766	1.766	1.766
EXTREME SPREAD	:	4.541	4.068	2.965
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS

5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.160

VS= 2.203

GS= 2.641

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.154	1.205	.797
MINIMUM X	:	-1.006	-.878	-.727
MAXIMUM Y	:	1.161	1.242	1.149
MINIMUM Y	:	-1.042	-.961	-1.054
CENTROID X	:	-.042	-.170	-.321
CENTROID Y	:	-.256	-.337	-.243
POA TO CENTROID in.	:	.259	.378	.403
MIN RADIUS	:	.148	.280	.344
MEAN RADIUS	:	.909	.855	.774
MAX RADIUS	:	1.368	1.420	1.209
HORIZONTAL SPREAD	:	2.160	2.083	1.524
VERTICAL SPREAD	:	2.203	2.203	2.203
EXTREME SPREAD	:	2.641	2.641	2.208
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6527135
DATE 9/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.43	2.44	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.34	2.48	2.42	
PULL #3	2.25	2.13	2.42	2.45	
PULL #4	2.38	2.28	2.53	2.42	
PULL #5	2.34	2.73	2.52	2.44	
TOTAL	11.70	11.41	12.39	12.24	
AVG.	2.34	2.28	2.48	2.448	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.21		
PULL #2	3.13	3.12		
PULL #3	3.07	3.24		
PULL #4	3.13	3.16		
PULL #5	3.13	3.09		
TOTAL	15.52	15.82		
AVG.	3.10	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.27		3.86
PULL #2	4.26	4.26		3.93
PULL #3	4.22	4.23		3.92
PULL #4	4.32	4.21		3.96
PULL #5	4.36	4.29		3.84
TOTAL	21.36	21.26		19.51
AVG.	4.27	4.25		3.90

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *26582135*

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		8/22/90	KCD
615	Rollmark Caliber		8/22/90	BS
617	Drill and Tap Sight Holes		8/22/90	FB
618	Polish Barrel <i>RB</i>		8/22/90	WB
620	Apply Coatings (Barrel Action)		8-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 at.	F) Safety On Force	5	5	5			9/4/90	WB
	G) Safety Off Force	2	2	2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/4/90	WB
	J) Assemble Stock						9/11/90	RW
	K) Assemble Swivel Studs						9/15/90	JS
	L) Attach Front and Rear Sight Assemblies						9/11/90	RW
	M) Iron Sight Alignment						9/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	RW
	O) Attach Scope to Rifle						9/10/90	RW
	P) Detach & Attach Scope 20 Times						9/11/90	RW
640	Gallery Target & Test						9/13/90	KT
	A) Time						9/13/90	KT
	B) Malfunctions						9/13/90	KT
	C) Pierced Primers						9/13/90	KT
	D) Optical Clarity of Scope						9/13/90	KT
645	Inspect for Live Ammo						9/13/90	KT
655	Final Inspection						9/15/90	JS
	A) Headspace						9-15-90	JS
	B) Trigger Pull	2.51	2.42	2.45	2.42	2.44	9/15/90	JS
	C) Function						9/15/90	JS
660	Pack						9/20/90	AF