

C6522208

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

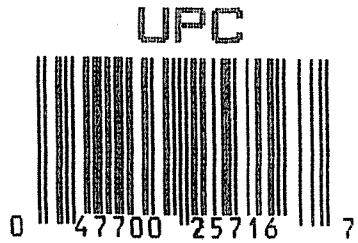
Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington		DUPONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6522208	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522208
17 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.294646
1 TO	2	.430406
1 TO	3	.371016
1 TO	4	.181025
1 TO	5	.276843

$\frac{1}{5}$ <----POA

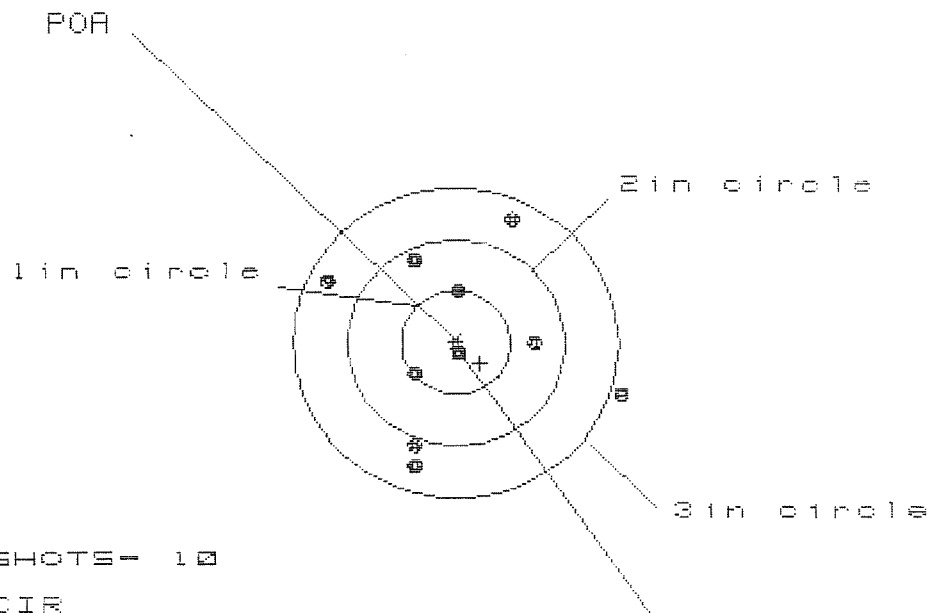
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0148
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1876
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .188183
THE AMR FOR THIS RIFLE IS: .9352

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C85222B8

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.649

VS= 2.405

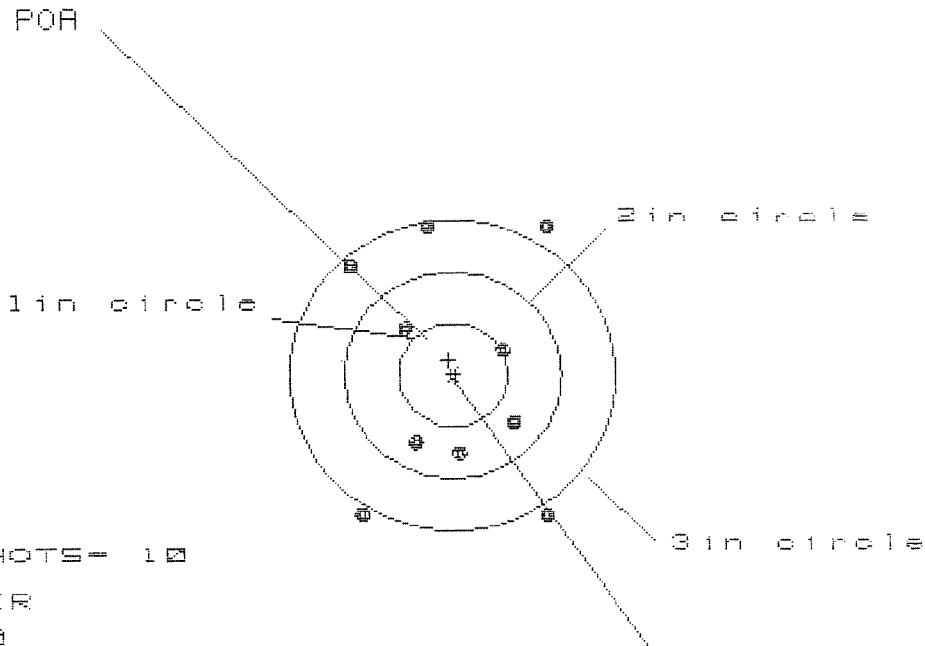
GS= 2.837

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.513	.853	.942
MINIMUM X	:	-1.136	-.968	-.880
MAXIMUM Y	:	1.224	1.173	.882
MINIMUM Y	:	-1.181	-1.232	-1.085
CENTROID X	:	-.220	-.388	-.477
CENTROID Y	:	.196	.247	.100
POA TO CENTROID in.	:	.295	.460	.487
MIN RADIUS	:	.085	.192	.229
MEAN RADIUS	:	.911	.830	.753
MAX RADIUS	:	1.580	1.371	1.096
HORIZONTAL SPREAD	:	2.649	1.821	1.821
VERTICAL SPREAD	:	2.405	2.405	1.967
EXTREME SPREAD	:	2.837	2.580	1.967
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	9		

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522288

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 1.768

VS= 2.763

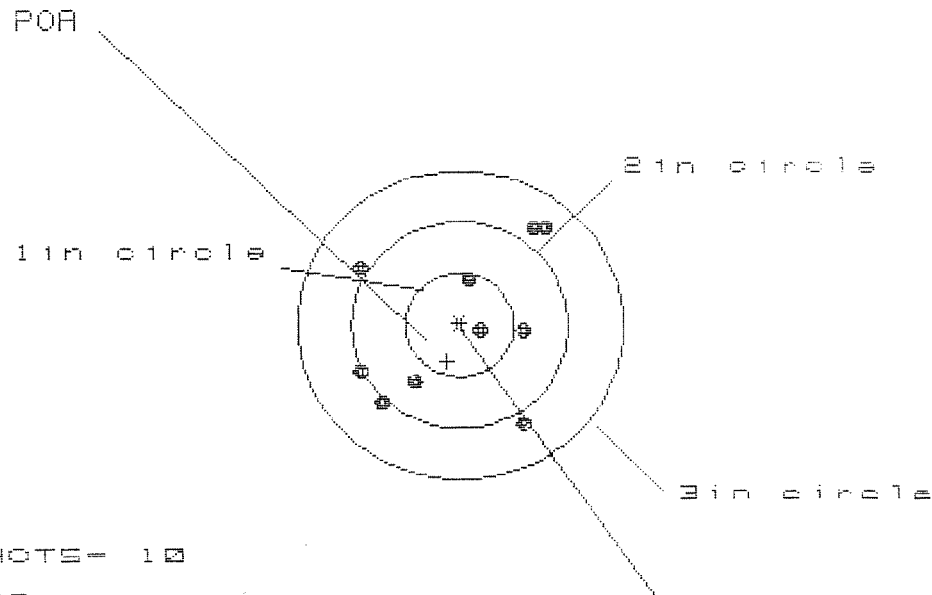
GS= 3.226

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.869	.964	.875
MINIMUM X	-.899	-.804	-.893
MAXIMUM Y	1.408	1.564	1.414
MINIMUM Y	-1.355	-1.199	-1.297
CENTROID X	.040	-.055	.034
CENTROID Y	-.147	-.303	-.153
POA TO CENTROID in.	.152	.308	.157
MIN RADIUS	.507	.564	.515
MEAN RADIUS	1.099	1.023	.970
MAX RADIUS	1.648	1.576	1.564
HORIZONTAL SPREAD	1.768	1.768	1.768
VERTICAL SPREAD	2.763	2.763	2.711
EXTREME SPREAD	3.226	2.948	2.948
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522288

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.696

VS= 1.909

GS= 2.204

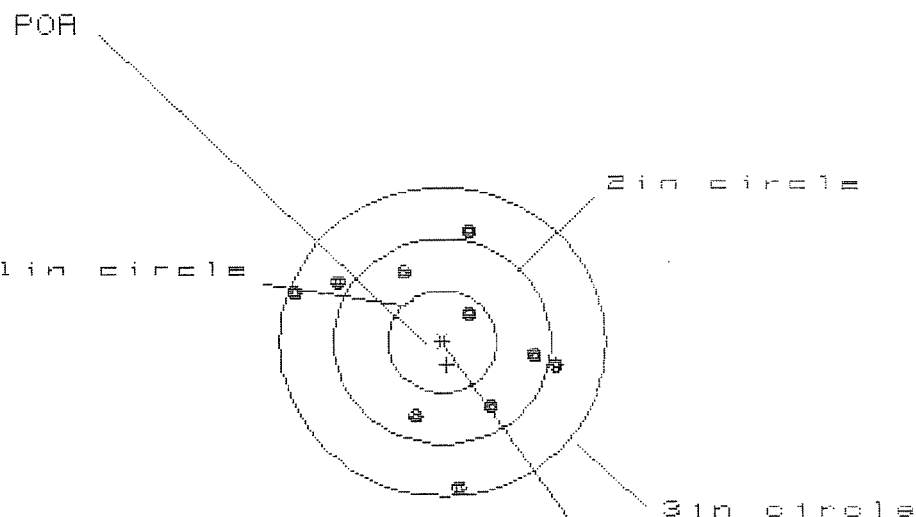
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.763	.814	.806
MINIMUM X	:	-.933	-.848	-.747
MAXIMUM Y	:	.944	1.048	.755
MINIMUM Y	:	-.966	-.861	-.730
CENTROID X	:	.118	.033	-.068
CENTROID Y	:	.349	.244	.113
POA TO CENTROID in.	:	.368	.247	.132
MIN RADIUS	:	.183	.279	.426
MEAN RADIUS	:	.855	.816	.744
MAX RADIUS	:	1.209	1.327	1.088
HORIZONTAL SPREAD	:	1.696	1.662	1.553
VERTICAL SPREAD	:	1.909	1.909	1.485
EXTREME SPREAD	:	2.204	2.181	2.127
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522288

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.403

VS = 2.464

GS = 2.527

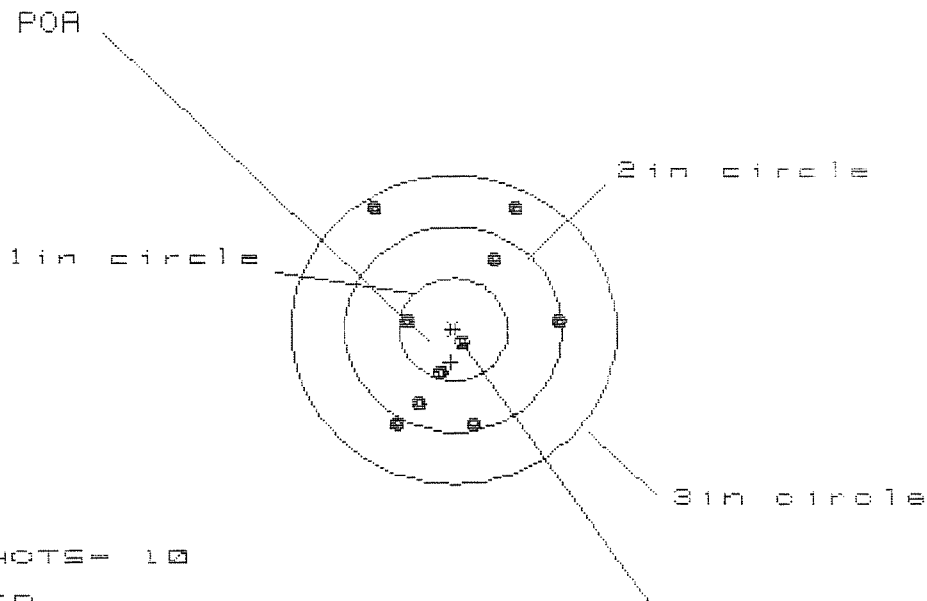
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.041	.890	.883
MINIMUM X	:	-1.362	-1.069	-1.076
MAXIMUM Y	:	1.061	1.119	.951
MINIMUM Y	:	-1.403	-1.345	-.832
CENTROID X	:	-.041	.110	.117
CENTROID Y	:	.223	.165	.333
POA TO CENTROID in.	:	.227	.198	.353
MIN RADIUS	:	.372	.332	.183
MEAN RADIUS	:	.973	.895	.820
MAX RADIUS	:	1.459	1.346	1.175
HORIZONTAL SPREAD	:	2.403	1.959	1.959
VERTICAL SPREAD	:	2.464	2.464	1.783
EXTREME SPREAD	:	2.527	2.469	2.132
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522208

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 1.741

VS= 2.177

GS= 2.436

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.012	.930	.989
MINIMUM X	:	-.729	-.623	-.564
MAXIMUM Y	:	1.222	1.354	.988
MINIMUM Y	:	-.955	-.823	-.654
CENTROID X	:	.029	.110	.051
CENTROID Y	:	.317	.185	.016
POA TO CENTROID in.	:	.318	.215	.053
MIN RADIUS	:	.116	.061	.187
MEAN RADIUS	:	.838	.753	.639
MAX RADIUS	:	1.393	1.433	1.046
HORIZONTAL SPREAD	:	1.741	1.553	1.553
VERTICAL SPREAD	:	2.177	2.177	1.642
EXTREME SPREAD	:	2.436	2.436	1.873
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6527208

DATE 9/15/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.43	2.32	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.35	2.34	2.21	
PULL #3	2.48	2.40	2.53	2.23	
PULL #4	2.31	2.44	2.47	2.19	
PULL #5	2.43	2.31	2.36	2.16	
TOTAL	12.11	11.93	12.02		
AVG.	2.42	2.38	2.40		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.00		
PULL #2	2.95	3.00		
PULL #3	2.95	3.05		
PULL #4	2.94	3.04		
PULL #5	3.04	3.09		
TOTAL	14.94	15.18		
AVG.	2.99	3.03		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	3.95		4.21
PULL #2	4.01	3.93		4.03
PULL #3	4.01	4.05		4.20
PULL #4	4.02	3.92		4.18
PULL #5	3.97	4.00		4.20
TOTAL	15.02	14.85		20.82
AVG.	3.00	3.97		4.16

CAR TCC

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522208

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		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	NEW BARREL 8/29/90	8/23/90	KCH
	Magnaflux Bolt		8/24/90	KCH
615	Rollmark Caliber		8/23/90	ES.
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		9-20-90	TA
	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		9/15/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 nt.	F) Safety On Force	5	4	3			9/15/90	928
	G) Safety Off Force	3	3	3			9/15/90	928
	H) Trigger Pull Test & Retainability						9/15/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/15/90	928
	J) Assemble Stock						9/16/90	RW
	K) Assemble Swivel Studs						9/17/90	928
	L) Attach Front and Rear Sight Assemblies						9/16/90	RW
	M) Iron Sight Alignment						9/16/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/16/90	RW
	O) Attach Scope to Rifle						9/16/90	RW
	P) Detach & Attach Scope 20 Times						9/16/90	RW
640	Gallery Target & Test						9-17-90	DH
	A) Time						9-17-90	DH
	B) Malfunctions						9-17-90	DH
	C) Pierced Primers						9-17-90	DH
	D) Optical Clarity of Scope						9-17-90	DH
645	Inspect for Live Ammo						9-17-90	DH
655	Final Inspection							
	A) Headspace						9/17/90	928
	B) Trigger Pull	2.14	2.21	2.23	2.19	2.16	9/17/90	928
	C) Function						9/17/90	928
660	Pack						9-19-90	DH