

C6594668

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

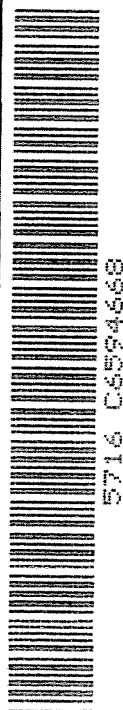
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6594668

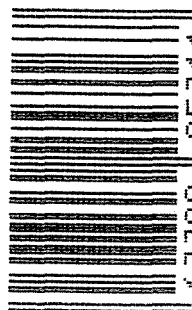
ORDER NO.
5716

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



5716 C6594668

UPC



0 47700 25716 2

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594668
DATE 9-20-95
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.46	2.67		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.47	2.60		
PULL #3	2.52	2.37	2.72		
PULL #4	2.48	2.32	2.37		
PULL #5	2.37	2.27	2.68		
TOTAL	12.51	11.89	13.04		
AVG.	2.50	2.37	2.60		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.01		
PULL #2	3.02	3.15		
PULL #3	3.20	3.16		
PULL #4	3.21	3.06		
PULL #5	3.30	3.27		
TOTAL	15.73	15.65		
AVG.	3.14	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.05	4.04	
PULL #2	4.10	4.03	3.95	
PULL #3	3.88	4.09	3.85	
PULL #4	3.84	4.07	3.92	
PULL #5	4.00	3.80	3.97	
TOTAL	19.93	20.04	19.73	
AVG.	3.98	4.00	3.94	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C-6594668

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

op. #	OP. NAME	READINGS					DATE	INIT
525 cont.	F) Safety On Force	4.0	4.0	4.0			12-29-95	DA
	G) Safety Off Force	2.5	2.5	3.0			12-29-95	DA
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.30	2.34	2.36	2.34	2.35	12-29-95	DA
	C) Function							
660	Pack							

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594668

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	1/15/91	KS
600	Proof		1/15/91	KS
607	Check Headspace		1/15/91	KS
610	Dis-assemble Gun		1/15/91	KS
612	Magnaflux Barrel Action	1 18 91		K.R
	Magnaflux Bolt	1 18 91		K.R
615	Rollmark Caliber	1 18 91		JS
617	Drill and Tap Sight Holes	1 24 91		LB
618	Polish Barrel	1 24 91		WB
620	Apply Coatings (Barrel Action)		2-15-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		3/5/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/5/91	KA
	C) Inspect Ejector Hole for Chamfer		3/5/91	KA
	D) Oil Firing Pin Ass'y		3/5/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		3/6/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			3/6/91	WLB
	G) Safety Off Force	2	2	2			3/6/91	WLB
	H) Trigger Pull Test & Retainability						3/6/91	JK
	I) Firing Pin Indent	.0225	.0225	.0225			3/6/91	WLB
	J) Assemble Stock						3/6/91	JK
	K) Assemble Swivel Studs						3-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						3/6/91	JK
	M) Iron Sight Alignment						3/6/91	JK
	N) Detach Front & Rear Sights & place in numbered container						3/6/91	JK
	O) Attach Scope to Rifle						3/6/91	JK
	P) Detach & Attach Scope 20 Times						3/6/91	JK
640	Gallery Target & Test						3-7-91	A
	A) Time						11	A
	B) Malfunctions						11	A
	C) Pierced Primers						11	A
	D) Optical Clarity of Scope						11	A
645	Inspect for Live Ammo						3-7-91	A
655	Final Inspection							
	A) Headspace						3-1-91	D/H
	B) Trigger Pull	2.47	2.48	2.46	2.41	2.45	3/1/91	JK
	C) Function						3-1-91	D/H
660	Pack						3-15-91	D/H

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594668
DATE 3-6-91
TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.37	2.40	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.44	2.33	2.48	
PULL #3	2.27	2.46	2.37	2.46	
PULL #4	2.44	2.36	2.46	2.41	
PULL #5	2.47	2.34	2.43	2.45	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.27		
PULL #2	3.18	3.17		
PULL #3	3.33	3.26		
PULL #4	3.25	3.32		
PULL #5	3.30	3.17		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.48		4.46
PULL #2	4.11	4.34		4.37
PULL #3	4.20	4.26		4.33
PULL #4	4.52	4.29		4.33
PULL #5	4.22	4.24		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594668
9 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.282936
1 TO	2	.684796
1 TO	3	.31425
1 TO	4	.142506
1 TO	5	.392827

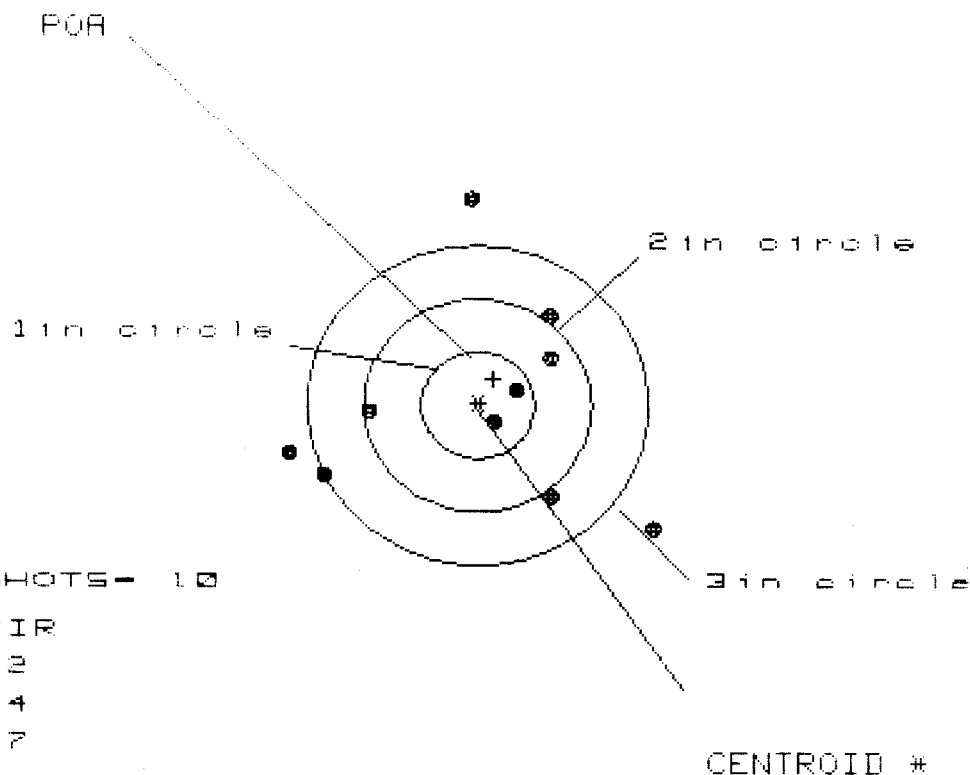
$\frac{2}{15}$
43 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0052
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1184
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118514
THE AMR FOR THIS RIFLE IS: .9164

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594668

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 3.197

VS= 3.028

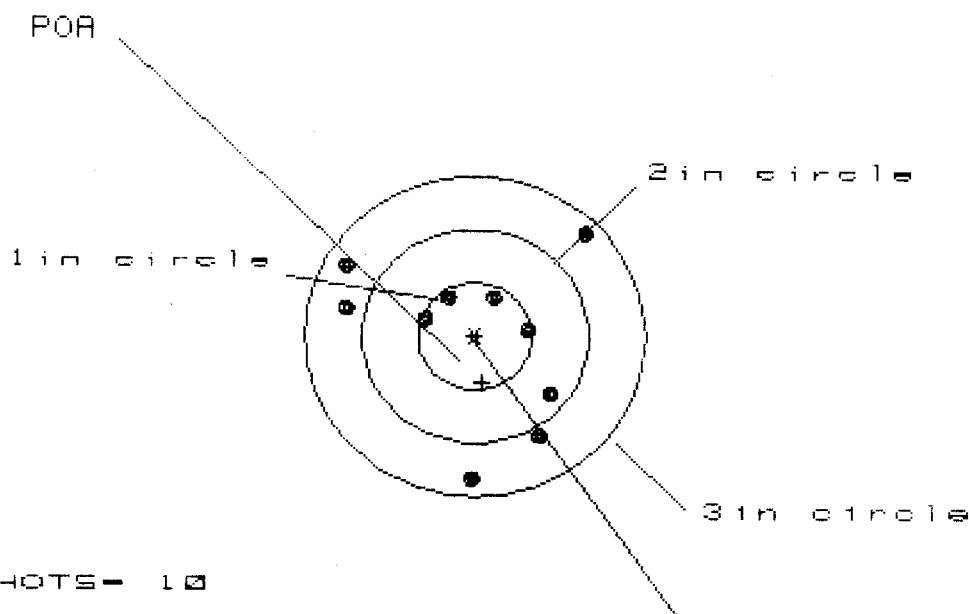
GS= 3.417

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.571	.836	.856
MINIMUM X	:	-1.626	-1.451	-1.431
MAXIMUM Y	:	1.918	1.795	.912
MINIMUM Y	:	-1.110	-1.009	-.785
CENTROID X	:	-.138	-.313	-.333
CENTROID Y	:	-.247	-.124	-.348
POA TO CENTROID in.	:	.283	.337	.482
MIN RADIUS	:	.190	.403	.339
MEAN RADIUS	:	1.134	1.070	.963
MAX RADIUS	:	1.924	1.802	1.479
HORIZONTAL SPREAD	:	3.197	2.287	2.287
VERTICAL SPREAD	:	3.028	2.804	1.697
EXTREME SPREAD	:	3.417	2.889	2.625
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594668

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 4

2in - 5

3in = 10

HS- 2.186

VS= 2.253

GS= 2.470

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.009	.813	.826
MINIMUM X	:	-1.177	-1.065	-1.052
MAXIMUM Y	:	.949	.749	.599
MINIMUM Y	:	-1.304	-1.198	-.957
CENTROID X	:	-.066	-.178	-.191
CENTROID Y	:	.434	.328	.478
POA TO CENTROID in.	:	.439	.373	.515
MIN RADIUS	:	.370	.424	.312
MEAN RADIUS	:	.885	.841	.758
MAX RADIUS	:	1.385	1.258	1.197
HORIZONTAL SPREAD	:	2.186	1.878	1.878
VERTICAL SPREAD	:	2.253	1.947	1.556
EXTREME SPREAD	:	2.470	2.316	2.316
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			10	

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594668

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 7

HS= 2.515

VS= 3.683

GS= 3.707

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.805	.886	.945
MINIMUM X	:	-1.710	-1.621	-1.562
MAXIMUM Y	:	1.815	1.150	.942
MINIMUM Y	:	-1.868	-1.667	-.577
CENTROID X	:	.149	.060	.001
CENTROID Y	:	-.375	-.576	-.368
POA TO CENTROID in.	:	.403	.579	.368
MIN RADIUS	:	.156	.247	.103
MEAN RADIUS	:	.990	.882	.747
MAX RADIUS	:	1.985	1.732	1.562
HORIZONTAL SPREAD	:	2.515	2.507	2.507
VERTICAL SPREAD	:	3.683	2.817	1.519
EXTREME SPREAD	:	3.707	2.846	2.553
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	7		

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594668

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.545

VS= 1.523

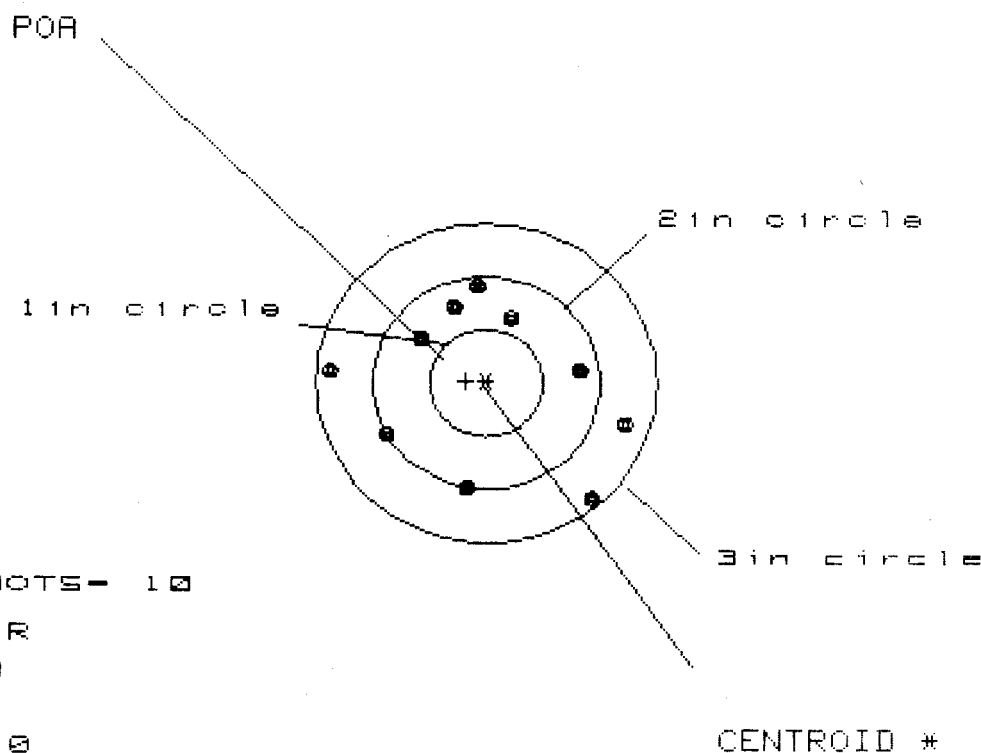
GS= 1.566

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.608	.504	.514
MINIMUM X	:	-.937	-.711	-.701
MAXIMUM Y	:	.767	.726	.627
MINIMUM Y	:	-.756	-.797	-.639
CENTROID X	:	-.150	-.046	-.056
CENTROID Y	:	-.389	-.348	-.249
POA TO CENTROID in.	:	.417	.351	.255
MIN RADIUS	:	.169	.134	.174
MEAN RADIUS	:	.586	.528	.487
MAX RADIUS	:	1.007	.801	.781
HORIZONTAL SPREAD	:	1.545	1.215	1.215
VERTICAL SPREAD	:	1.523	1.523	1.266
EXTREME SPREAD	:	1.566	1.540	1.395
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C65946B8

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 10

HS= 2.618

VS= 1.961

GS= 2.660

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.249	1.353	1.195
MINIMUM X	:	-1.369	-1.265	-.897
MAXIMUM Y	:	.915	.799	.798
MINIMUM Y	:	-1.046	-1.064	-1.065
CENTROID X	:	.179	.075	.233
CENTROID Y	:	-.015	.101	.102
POA TO CENTROID in.	:	.179	.126	.254
MIN RADIUS	:	.668	.545	.539
MEAN RADIUS	:	.987	.914	.866
MAX RADIUS	:	1.400	1.434	1.286
HORIZONTAL SPREAD	:	2.618	2.618	2.092
VERTICAL SPREAD	:	1.961	1.863	1.863
EXTREME SPREAD	:	2.660	2.660	2.095
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594668
12 Mar 1991

CENTROIDAL DISTANCES

Ø TO	1	.0752861
1 TO	2	.462964
1 TO	3	.103078
1 TO	4	.145561
1 TO	5	.0754321

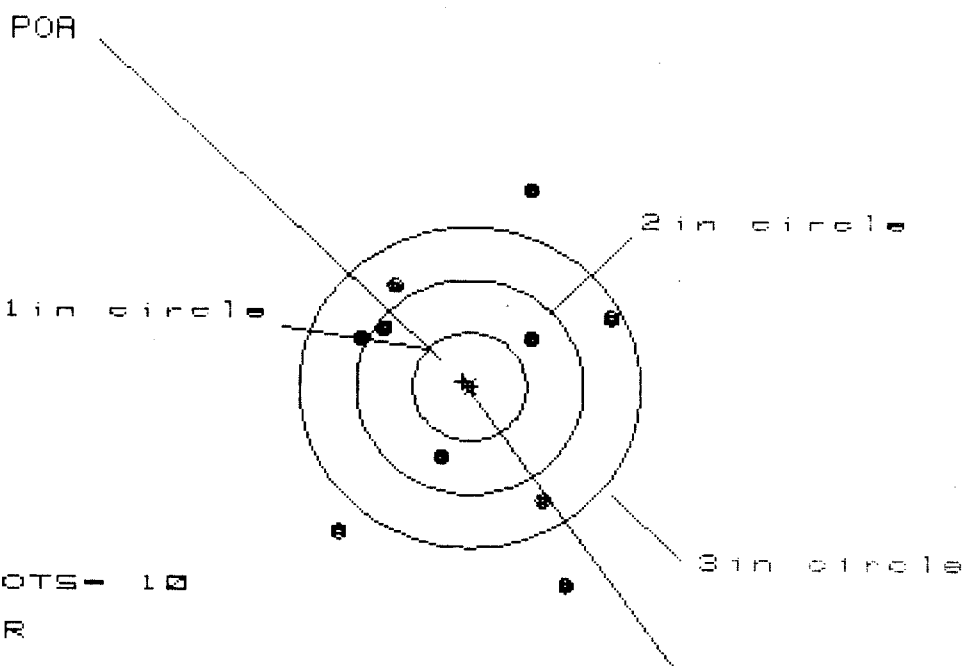
²
34 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .027
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0556
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0618091
THE AMR FOR THIS RIFLE IS: 1.067

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594668.1

CENTERFIRE PATTERNS # 1



* OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.387

VS= 3.743

GS= 3.757

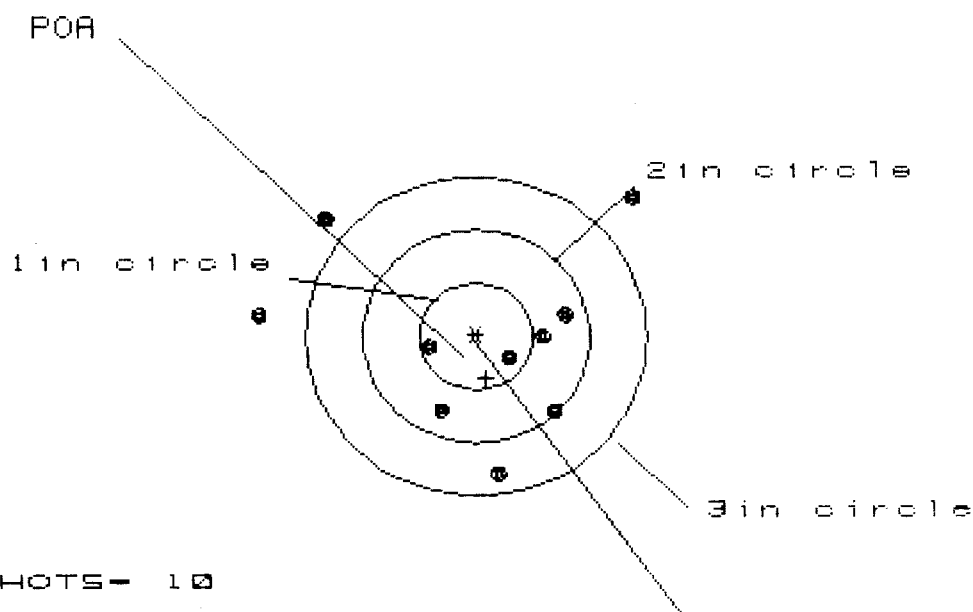
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.235	1.329	1.406
MINIMUM X	:	-1.152	-1.058	-.981
MAXIMUM Y	:	1.889	1.683	.997
MINIMUM Y	:	-1.854	-1.599	-1.389
CENTROID X	:	.058	-.036	-.113
CENTROID Y	:	-.048	.158	-.052
POA TO CENTROID in.	:	.075	.163	.124
MIN RADIUS	:	.638	.622	.659
MEAN RADIUS	:	1.292	1.182	1.100
MAX RADIUS	:	2.038	1.918	1.701
HORIZONTAL SPREAD	:	2.387	2.387	2.387
VERTICAL SPREAD	:	3.743	3.282	2.386
EXTREME SPREAD	:	3.757	3.684	3.137
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594668.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in - 7

HS- 3.388

VS- 2.609

GS- 3.569

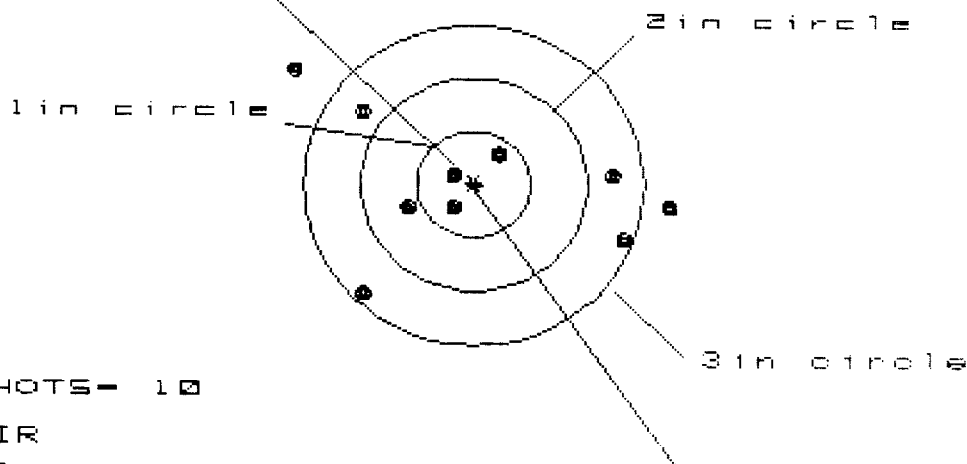
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.428	1.210	.692
MINIMUM X	:	-1.960	-1.511	-1.359
MAXIMUM Y	:	1.343	1.367	1.281
MINIMUM Y	:	-1.266	-1.242	-1.071
CENTROID X	:	-.086	.132	-.020
CENTROID Y	:	.392	.368	.197
POA TO CENTROID in.	:	.402	.391	.198
MIN RADIUS	:	.356	.210	.210
MEAN RADIUS	:	1.076	.932	.803
MAX RADIUS	:	1.972	1.875	1.868
HORIZONTAL SPREAD	:	3.388	2.721	2.051
VERTICAL SPREAD	:	2.609	2.609	2.352
EXTREME SPREAD	:	3.569	2.881	2.790
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594668.1

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 4

3 in = 8

HS= 3.289

VS= 2.149

GS= 3.553

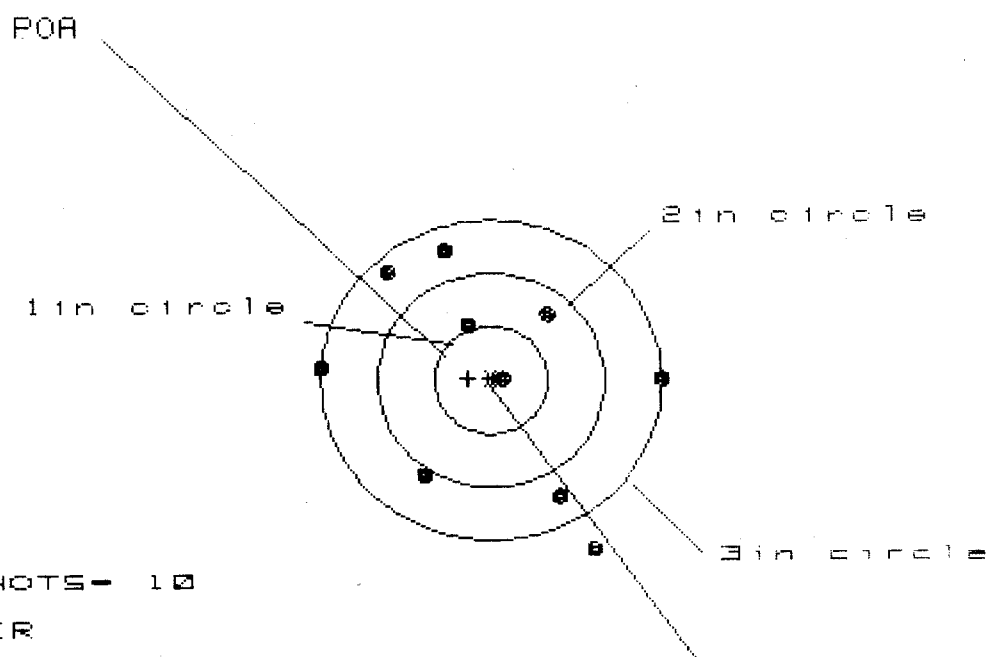
CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.728	1.554	1.356
MINIMUM X	:	-1.561	-1.184	-.989
MAXIMUM Y	:	1.105	.846	.832
MINIMUM Y	:	-1.044	-.921	-.935
CENTROID X	:	-.022	.152	-.043
CENTROID Y	:	.017	-.106	-.091
POA TO CENTROID in.	:	.028	.185	.101
MIN RADIUS	:	.245	.360	.192
MEAN RADIUS	:	1.055	.977	.859
MAX RADIUS	:	1.913	1.559	1.403
HORIZONTAL SPREAD	:	3.289	2.738	2.345
VERTICAL SPREAD	:	2.149	1.767	1.767
EXTREME SPREAD	:	3.553	2.876	2.606
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594668.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in - 1

2in - 3

3in = 8

HS= 2.971

VS= 2.846

GS= 3.190

CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.450	1.554	1.376
MINIMUM X	:	-1.521	-1.417	-.929
MAXIMUM Y	:	1.236	1.057	1.054
MINIMUM Y	:	-1.610	-1.307	-1.310
CENTROID X	:	.200	.096	.274
CENTROID Y	:	-.016	.163	.166
POA TO CENTROID in.	:	.200	.189	.320
MIN RADIUS	:	.091	.244	.156
MEAN RADIUS	:	1.134	1.033	.967
MAX RADIUS	:	1.858	1.560	1.416
HORIZONTAL SPREAD	:	2.971	2.971	2.305
VERTICAL SPREAD	:	2.846	2.364	2.364
EXTREME SPREAD	:	3.190	2.973	2.613
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

12 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594668.1

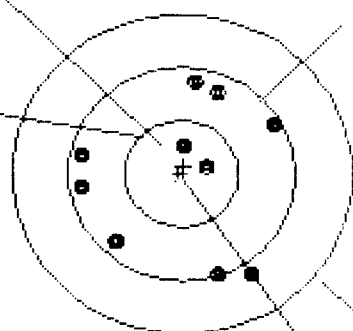
CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in - 2

2in - 9

3in = 10

HS= 1.715

VS= 1.790

GS= 1.856

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.801	.868	.503
MINIMUM X	:	-.914	-.847	-.738
MAXIMUM Y	:	.875	.774	.825
MINIMUM Y	:	-.915	-.993	-.943
CENTROID X	:	-.015	-.082	-.191
CENTROID Y	:	-.067	.034	-.016
POA TO CENTROID in.	:	.069	.089	.191
MIN RADIUS	:	.201	.179	.291
MEAN RADIUS	:	.780	.731	.712
MAX RADIUS	:	1.095	1.059	1.055
HORIZONTAL SPREAD	:	1.715	1.715	1.241
VERTICAL SPREAD	:	1.790	1.767	1.767
EXTREME SPREAD	:	1.856	1.828	1.777
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	