

66225610

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
©

Remington®
REMINGTON & CO. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6225610

ORDER NO.
5716

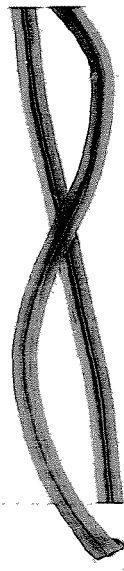
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20

UPC

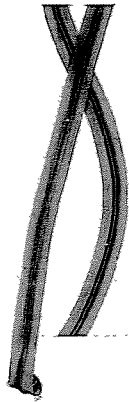
0 47700 25716 7

5716 C6225610



MOD. _____ GA. _____ GUN # C 6725610
 CAL. _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
		Don't extract	
	2nd		
	2/9/59	Extractor Bent	
		New Extractor	
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1



TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	<i>tested CK</i> <i>AC</i>	
TEST <i>✓ 2/10/89</i>		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225610

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9 88	12 9 88	RW
600	Proof	12 9 88	12 9 88	RW
607	Check Headspace	12 9 88	12 9 88	RW
610	Dis-assemble Gun	12 9 88	12 9 88	RW
612	Magnaflux Barrel Action	INTERCHANGEABILITY		12-22-88 Pfc.
	Magnaflux Bolt			1-3-89 Pfc.
615	Rollmark Caliber		12/22/88	WBC.
617	Drill and Tap Sight Holes		12 9 88	FB
618	Polish Barrel		12 9 88	WJ7
620	Apply Coatings (Barrel Action)		1-16-89	AA
	Apply Coating (Bolt)		1-16-89	AA
625	Final Assembly A) Clean inside of Bolt Assembly		1/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/24/89	RW
	C) Inspect Ejector Hole for Chamfer		1/24/89	RW
	D) Oil Firing Pin Ass'y		1/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/26/89	CS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			3/26/89	JS
	G) Safety Off Force	3	3	3			3/26/89	JS
	H) Trigger Pull Test & Retainability						1/26/89	JS
	I) Firing Pin Indent	0215	0215	021			3/26/89	JS
	J) Assemble Stock						2/6/89	RW
	K) Assemble Swivel Studs						9/26/89	JS
	L) Attach Front and Rear Sight Assemblies						2/6/89	RW
	M) Iron Sight Alignment						2/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/6/89	RW
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times						7/26/89	JS
640	Gallery Target & Test	51 R	102 L				2/8/89	K
	A) Time						11	A
	B) Malfunctions				NONE		11	K
	C) Pierced Primers				NONE		11	K
	D) Optical Clarity of Scope				OK		2/8/89	AC
645	Inspect for Live Ammo				NONE		2/8/89	AC
655	Final Inspection							
	A) Headspace						9/26/89	JS
	B) Trigger Pull	2.76	2.68	2.66	2.53	2.56	9/26/89	JS
	C) Function						9/26/89	JS
660	Pack						22 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225610

DATE 4-10-90

TESTER JEF.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.19	2.46	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.45	2.49	
PULL #3	2.41	2.28	2.43	
PULL #4	2.39	2.38	2.60	
PULL #5	2.41	2.54	2.72	
TOTAL	11.94	12.11	12.42	
AVG.	2.388	2.422	2.484	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.30	3.41	
PULL #2	3.19	3.33	
PULL #3	3.20	3.34	
PULL #4	3.31	3.31	
PULL #5	3.16	3.22	
TOTAL	16.16	16.61	
AVG.	3.232	3.322	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.53		
PULL #2	4.37	4.34		
PULL #3	4.41	4.45		
PULL #4	4.35	4.49		
PULL #5	4.07	4.22		
TOTAL	21.53	22.03		
AVG.	4.306	4.406		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225610
10 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.254153
1 TO	2	.716453
1 TO	3	.444855
1 TO	4	.393695
1 TO	5	.238799

$\frac{2}{3} \times 15$ <----FOR

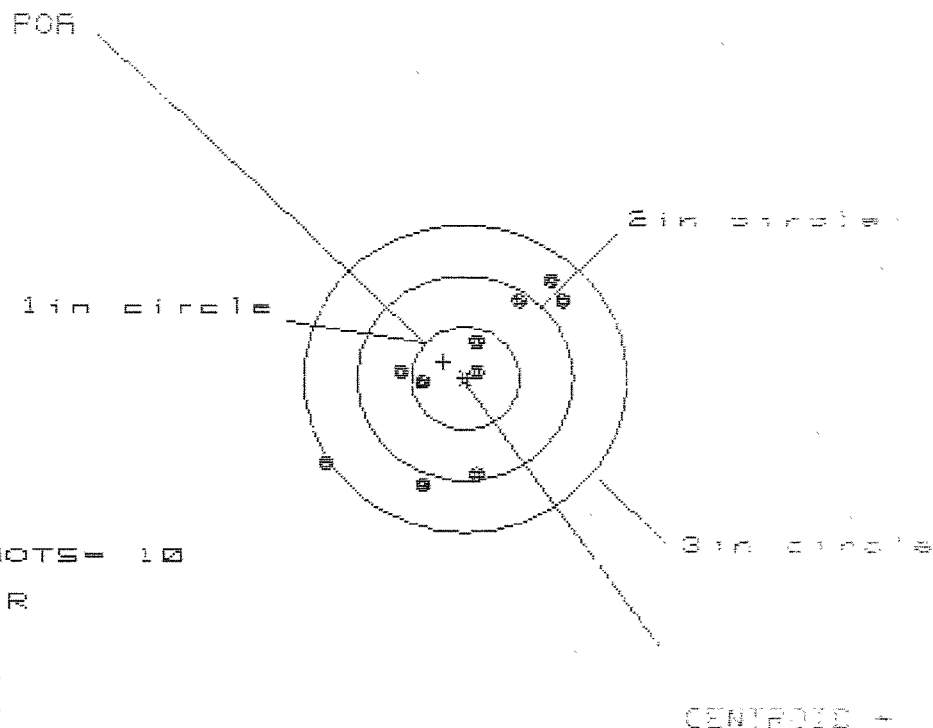
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0492
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0208
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0534161

THE AMR FOR THIS RIFLE IS: .9024

19 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225610

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.147

VS= 1.952

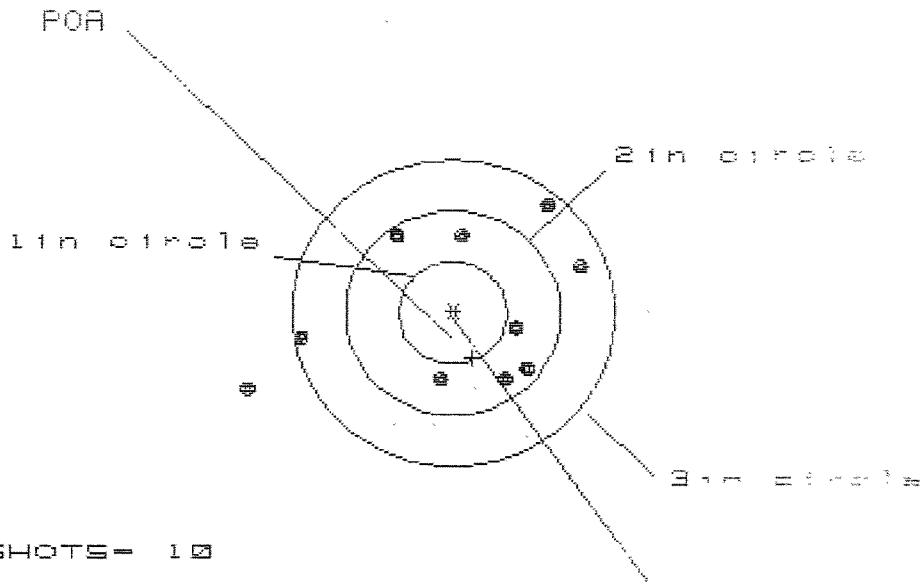
GS= 2.744

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.882	.741	.629
MINIMUM X	-1.265	-.706	-.618
MAXIMUM Y	.920	.828	.740
MINIMUM Y	-1.032	-1.124	-1.021
CENTROID X	.195	.336	.248
CENTROID Y	-.163	-.071	-.174
FOR TO CENTROID in.	.255	.343	.363
MIN RADIUS	.145	.047	.102
MEAN RADIUS	.828	.733	.696
MAX RADIUS	1.515	1.251	1.119
HORIZONTAL SPREAD	2.147	1.447	1.447
VERTICAL SPREAD	1.952	1.952	1.761
EXTREME SPREAD	2.744	2.320	2.132
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

18 Feb 1969

FILE:/PATTERNING/CENTERFIRE_PATT/C6225610

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 3.118

VS= 1.756

GS= 3.343

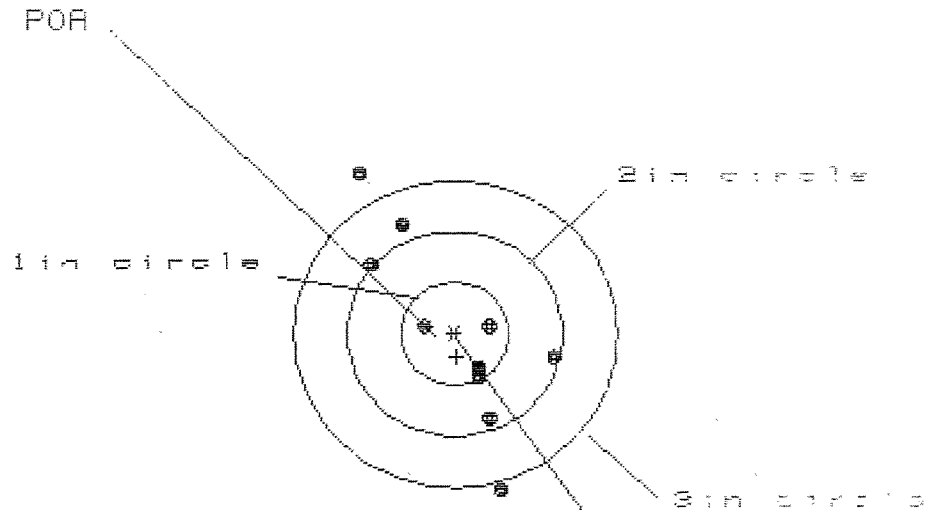
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.225	1.015	.867
MINIMUM X	:	-1.893	-1.657	-.938
MAXIMUM Y	:	1.035	.955	.915
MINIMUM Y	:	-.721	-.761	-.801
CENTROID X	:	-.184	.026	.233
CENTROID Y	:	.445	.525	.565
POA TO CENTROID in.	:	.481	.525	.612
MIN RADIUS	:	.609	.455	.346
MEAN RADIUS	:	1.071	.926	.801
MAX RADIUS	:	2.025	1.689	1.188
HORIZONTAL SPREAD	:	3.118	2.672	1.736
VERTICAL SPREAD	:	1.756	1.716	1.716
EXTREME SPREAD	:	3.343	2.771	1.953
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225810

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS= 1.821

VS= 3.117

GS= 3.389

CENTROID *

PATTERN #

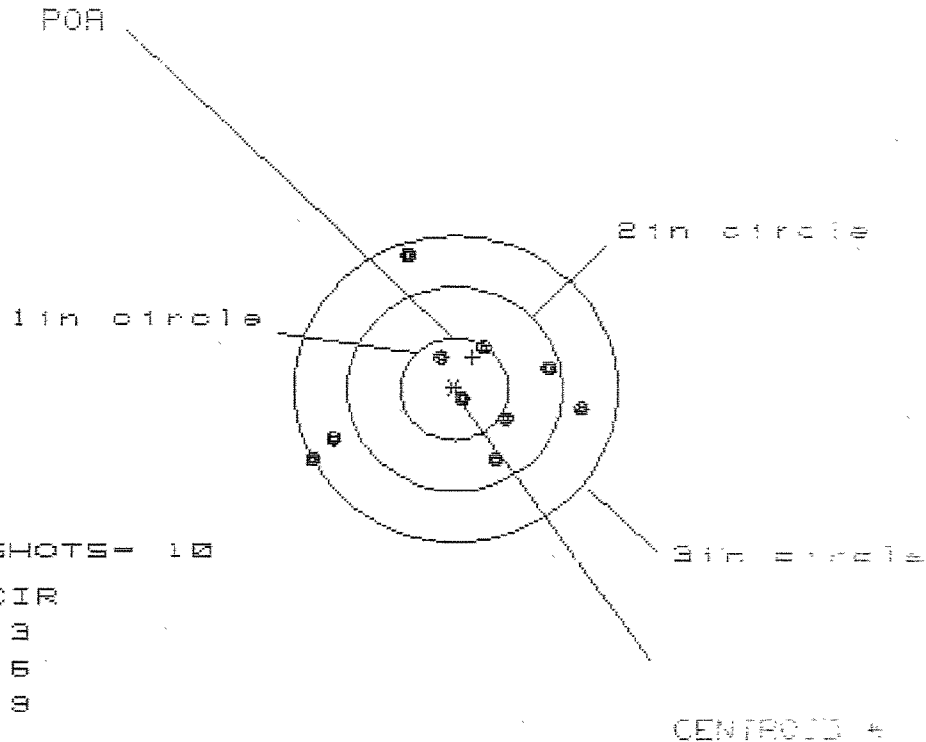
3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.948	.851	.897
MINIMUM X	-.873	-.896	-.850
MAXIMUM Y	1.555	1.209	1.035
MINIMUM Y	-1.562	-1.389	-.864
CENTROID X	-.019	.078	.033
CENTROID Y	.227	.054	.238
POA TO CENTROID in.	.228	.095	.230
MIN RADIUS	.283	.247	.276
MEAN RADIUS	.902	.764	.695
MAX RADIUS	1.783	1.436	1.191
HORIZONTAL SPREAD	1.821	1.747	1.747
VERTICAL SPREAD	3.117	2.598	1.899
EXTREME SPREAD	3.389	2.775	2.061
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

18 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CG225610

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.489

VS= 2.000

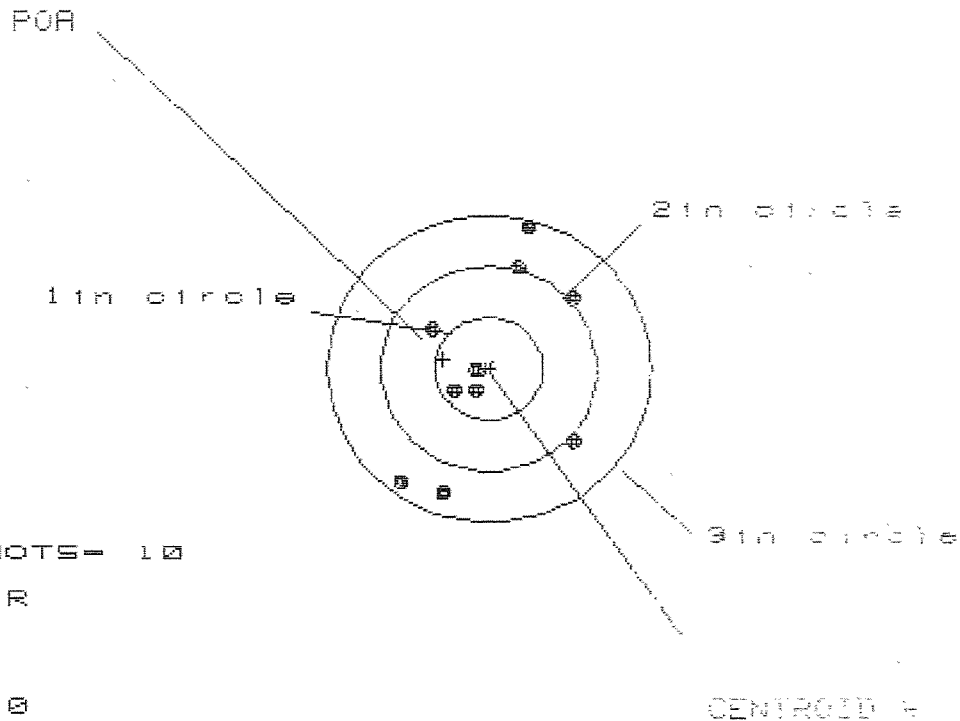
GS= 2.531

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.132	.981	.909
MINIMUM X	-1.357	-1.320	-1.392
MAXIMUM Y	1.347	1.276	.550
MINIMUM Y	-.653	-.724	-.563
CENTROID X	-.169	-.010	.053
CENTROID Y	-.313	-.242	-.401
POA TO CENTROID in.	.356	.242	.405
MIN RADIUS	.130	.207	.165
MEAN RADIUS	.841	.743	.640
MAX RADIUS	1.501	1.437	1.450
HORIZONTAL SPREAD	2.489	2.301	2.301
VERTICAL SPREAD	2.000	2.000	1.115
EXTREME SPREAD	2.531	2.322	2.322
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

10 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225610

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 10

HS= 1.589

VS= 2.638

GS= 2.753

PATTERN #	5	9	5
SHOTS (BEST OF)	10	9	5
MAXIMUM X	.889	.849	.757
MINIMUM X	-.780	-.740	-.539
MAXIMUM Y	1.395	1.171	1.651
MINIMUM Y	-1.243	-1.088	-1.208
CENTROID X	.423	.383	.475
CENTROID Y	-.092	-.247	-.127
POA TO CENTROID in.	.432	.455	.492
MIN RADIUS	.137	.084	.191
MEAN RADIUS	.870	.785	.747
MAX RADIUS	1.441	1.219	1.281
HORIZONTAL SPREAD	1.589	1.589	1.296
VERTICAL SPREAD	2.638	2.259	2.259
EXTREME SPREAD	2.753	2.485	2.357
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225610
20 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.344703
1 TO	2	.391
1 TO	3	.0805295
1 TO	4	.504001
1 TO	5	.496529

$\frac{5}{24}$ <----POA

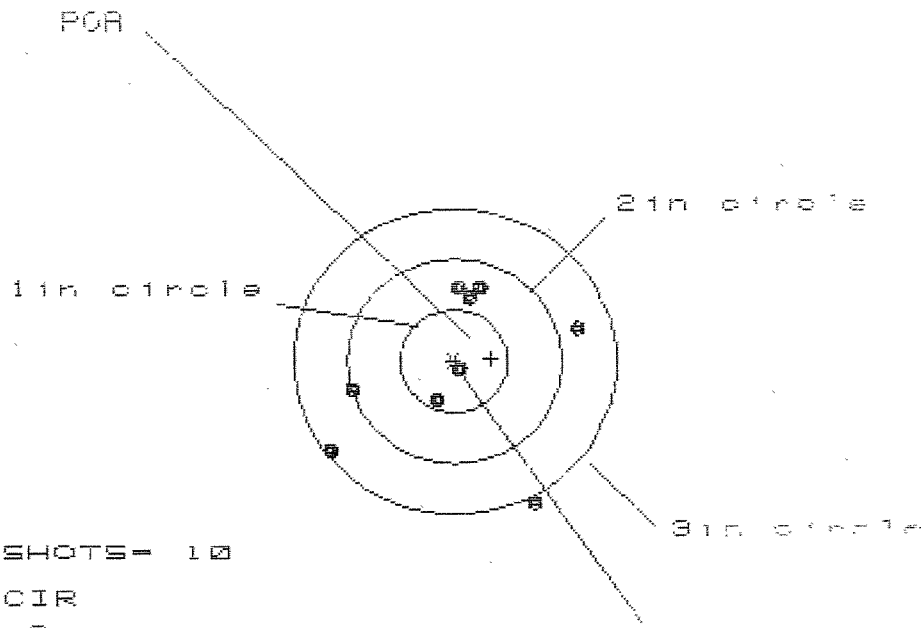
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0932
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0956
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .133513
THE AMR FOR THIS RIFLE IS: .8696

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225610

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.269

VS= 2.037

GS= 2.556

CENTROID *

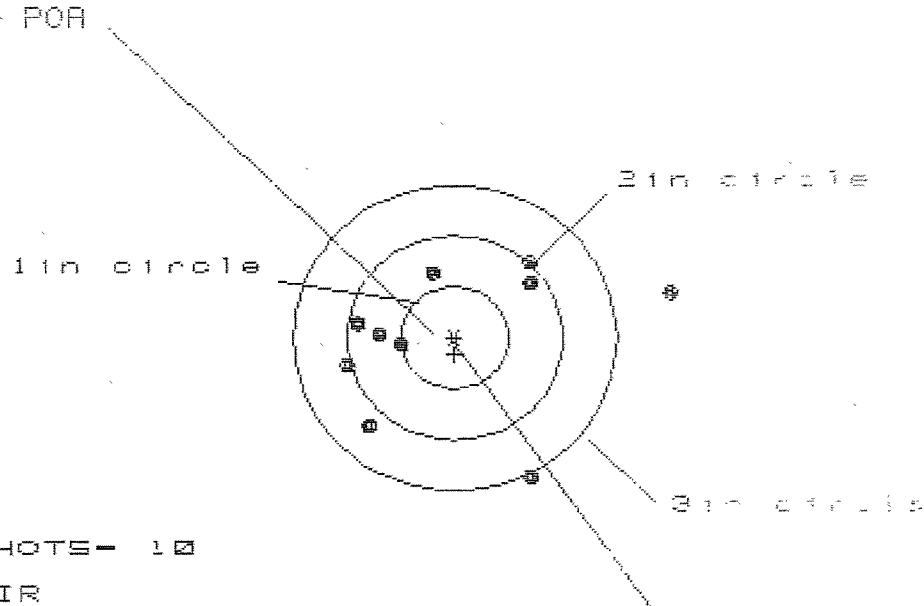
PATTERN #	:	1	9	9
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.095	1.174	1.037
MINIMUM X	:	-1.173	-1.095	-1.058
MAXIMUM Y	:	.693	.544	.417
MINIMUM Y	:	-1.344	-1.017	-.687
CENTROID X	:	-.344	-.423	-.286
CENTROID Y	:	-.022	.127	.354
FOR TO CENTROID in.	:	.345	.442	.382
MIN RADIUS	:	.123	.288	.332
MEAN RADIUS	:	.832	.740	.604
MAX RADIUS	:	1.519	1.494	1.183
HORIZONTAL SPREAD	:	2.269	2.269	2.095
VERTICAL SPREAD	:	2.037	1.561	1.024
EXTREME SPREAD	:	2.556	2.556	2.169
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

20 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225810

CENTERFIRE PATTERNS

2



OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 8

HS = 3.054

VS = 2.126

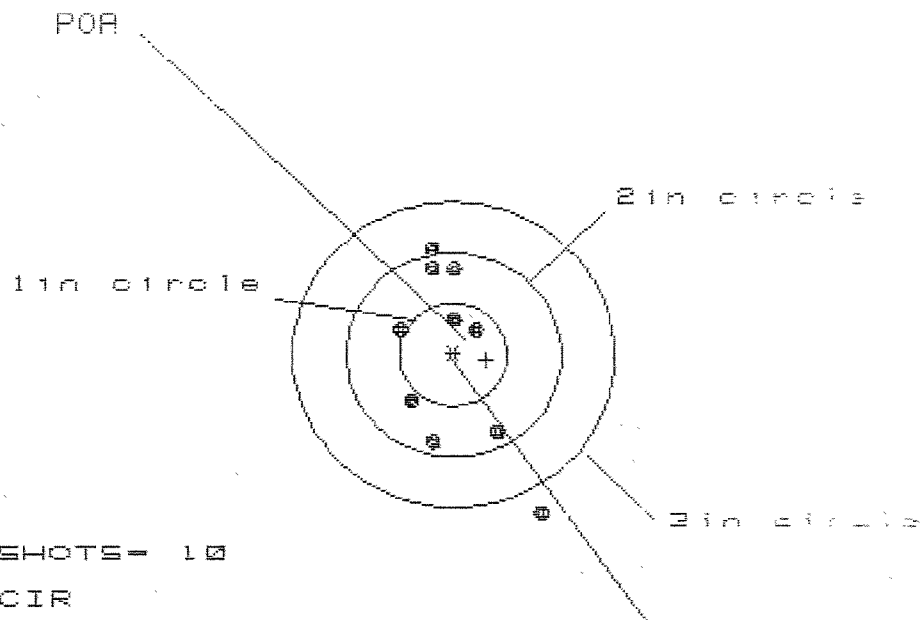
GS = 3.140

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.015	.941	1.058
MINIMUM X	:	-1.039	-.815	-.638
MAXIMUM Y	:	.761	.808	.643
MINIMUM Y	:	-1.365	-1.318	-.943
CENTROID X	:	.001	-.223	-.340
CENTROID Y	:	.162	.115	.290
POA TO CENTROID in.	:	.162	.251	.440
MIN RADIUS	:	.529	.301	.267
MEAN RADIUS	:	1.054	.880	.741
MAX RADIUS	:	2.059	1.615	1.238
HORIZONTAL SPREAD	:	3.054	1.756	1.756
VERTICAL SPREAD	:	2.126	2.126	1.586
EXTREME SPREAD	:	3.140	2.220	2.220
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

20 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225810

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.266

VS= 2.662

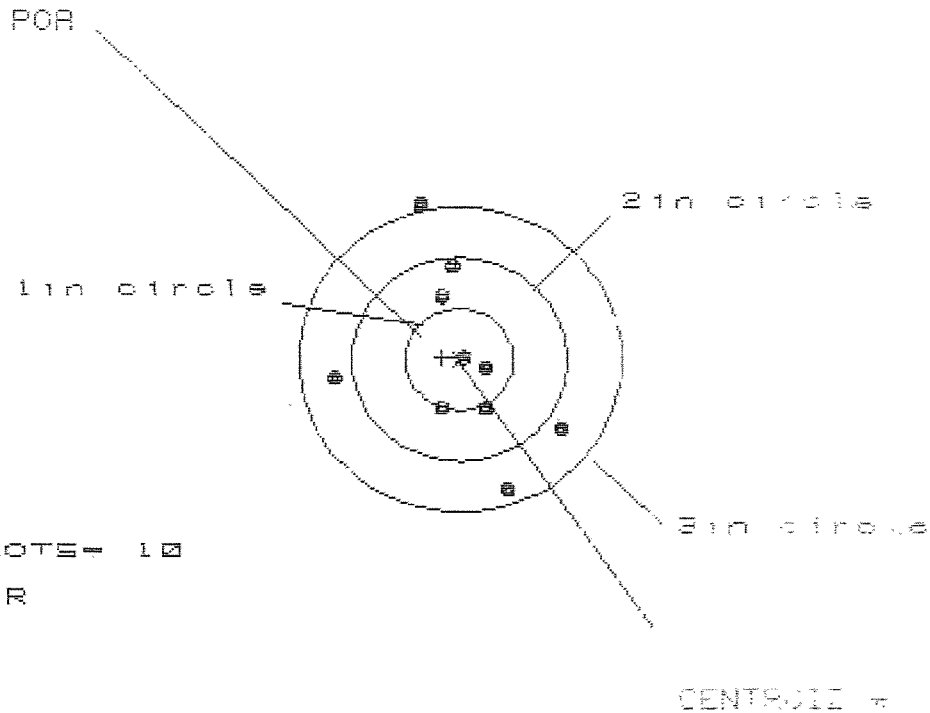
GS= 2.835

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.775	.482	.467
MINIMUM X	-.491	-.405	-.420
MAXIMUM Y	1.069	.892	.822
MINIMUM Y	-1.593	-.979	-.868
CENTROID X	-.310	-.396	-.381
CENTROID Y	.051	.228	.117
POA TO CENTROID in.	.314	.457	.399
MIN RADIUS	.322	.248	.338
MEAN RADIUS	.813	.666	.646
MAX RADIUS	1.771	1.078	.972
HORIZONTAL SPREAD	1.266	.887	.897
VERTICAL SPREAD	2.662	1.871	1.690
EXTREME SPREAD	2.835	1.950	1.713
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

28 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8225810

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.013

VS= 2.811

GS= 2.912

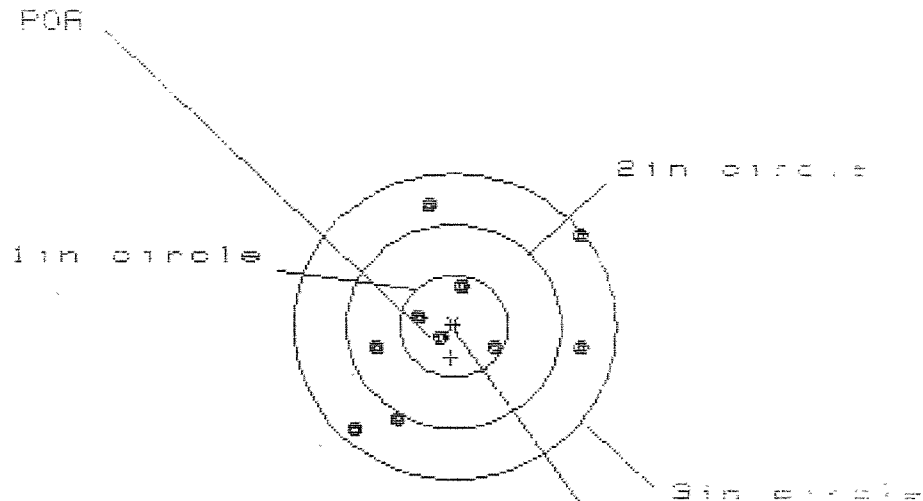
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.900	.859	.834
MINIMUM X	-1.113	-1.154	-1.109
MAXIMUM Y	1.560	1.142	1.007
MINIMUM Y	-1.251	-1.077	-.672
CENTROID X	.160	.201	.156
CENTROID Y	-.021	-.195	-.060
POA TO CENTROID in.	.161	.279	.167
MIN RADIUS	.060	.161	.067
MEAN RADIUS	.818	.710	.654
MAX RADIUS	1.602	1.154	1.127
HORIZONTAL SPREAD	2.013	2.013	2.013
VERTICAL SPREAD	2.811	2.219	1.679
EXTREME SPREAD	2.912	2.260	2.089
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

28 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225810

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS= 2.084

VS= 2.235

GS= 2.823

CENTROID 4

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.188	1.319	1.224
MINIMUM X	:	-.896	-.765	-.647
MAXIMUM Y	:	1.211	1.310	1.194
MINIMUM Y	:	-1.024	-.925	-.838
CENTROID X	:	.027	-.104	-.085
CENTROID Y	:	.308	.209	.323
POA TO CENTROID in.	:	.309	.234	.323
MIN RADIUS	:	.182	.019	.166
MEAN RADIUS	:	.831	.729	.588
MAX RADIUS	:	1.477	1.326	1.249
HORIZONTAL SPREAD	:	2.084	2.084	1.871
VERTICAL SPREAD	:	2.235	2.235	2.082
EXTREME SPREAD	:	2.823	2.326	2.097
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	