

C6348960

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



BARBER - M24 0042611

	RECORDS CONTROL SCHEDULE
RECORDS CATEGORY OR TITLE: <u>124 - ESD ASSET VERIFICATION</u>	
COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒	
TOTAL RETENTION: <u>1</u> YEAR	
GS-11050 Rev. 8/78	

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0042611~~ 0042650

NOTION

Remington® REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

DUPONT

SERIAL NO.
C6348960

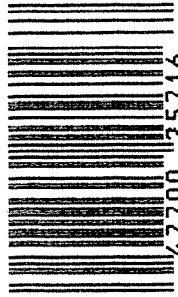
ORDER NO.
5716

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

01



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348960

OP. #	OP. NAME	READINGS	DATE	INIT	
575 & 580	Assemble Action and Stock	QUALITY AUDIT	9 26	89	RW
600	Proof		9 26	89	RW
607	Check Headspace		9 26	89	RW
610	Dis-assemble Gun		9 26	89	RW
612	Magnaflux Barrel Action		9/29/89		KCR
	Magnaflux Bolt		9/29/89		KCR
615	Rollmark Caliber		9/29/89		JS
7	Drill and Tap Sight Holes		9 29	89	JB
618	Polish Barrel RB		9 29	89	BT
620	Apply Coatings (Barrel Action)		10/11/89		TJA
	Apply Coating (Bolt)				
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89		RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89		RW
	C) Inspect Ejector Hole for Chamfer		10/12/89		RW
	D) Oil Firing Pin Ass'y		10/12/89		RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/12/89		JS

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	19 Oct 89	JS
	G) Safety Off Force	4	4	4	19 Oct 89	JS
	H) Trigger Pull Test & Retainability				19 Oct 89	JS
	I) Firing Pin Indent	021	0215	022	19 Oct 89	JS
	J) Assemble Stock				10/25/89	JS
	K) Assemble Swivel Studs				25 Oct 89	JS
	L) Attach Front and Rear Sight Assemblies				12/1/89	JS
	M) Iron Sight Alignment				12/1/89	JS
	N) Detach Front & Rear Sights & place in numbered container				12/1/89	JS
	O) Attach Scope to Rifle				10/23/89	JS
	P) Detach & Attach Scope 20 Times				10/23/89	JS
640	Gallery Target & Test				10-24-89	D/H
	A) Time				10-24-89	D/H
	B) Malfunctions				10-24-89	D/H
	C) Pierced Primers				10-24-89	D/H
	D) Optical Clarity of Scope				10-24-89	D/H
645	Inspect for Live Ammo				10-24-89	D/H
655	Final Inspection				25 Oct 89	JS
	A) Headspace				25 Oct 89	JS
	B) Trigger Pull	2.81	2.70	2.43	25 Oct 89	JS
	C) Function				25 Oct 89	JS
660	Pack				14 Oct 89	JS

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

SERIAL NO. C6348960DATE 4/3/90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.42	2.28	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.26	2.26	
PULL #3	2.40	2.29	2.32	
PULL #4	2.33	2.28	2.34	
PULL #5	2.32	2.30	2.32	
TOTAL	11.87	11.41	11.57	
AVG.	2.37	2.28	2.31	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.10	3.12	
PULL #2	3.17	3.11	
PULL #3	3.14	3.14	
PULL #4	3.15	3.13	
PULL #5	3.12	3.07	
TOTAL	15.68	15.47	
AVG.	3.13	3.09	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.24		
PULL #2	4.26	4.21		
PULL #3	4.26	4.25		
PULL #4	4.23	4.29		
PULL #5	4.15	4.21		
TOTAL	21.07	21.20		
AVG.	4.21	4.24		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348960
24 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.5816
1 TO	2	.206652
1 TO	3	.661238
1 TO	4	.414248
1 TO	5	.608666

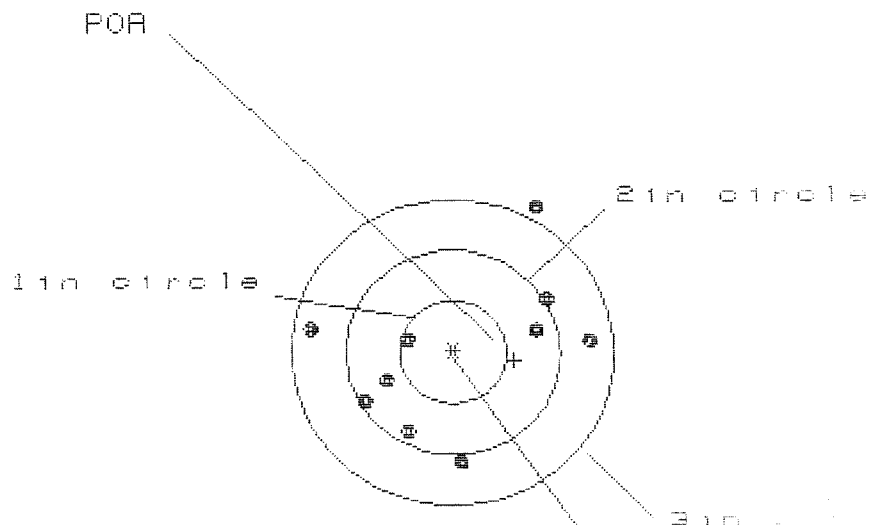
$\frac{1}{2} \frac{4}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.25
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0552
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .258022
THE AMP FOR THIS RIFLE IS: .9648

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0834B960

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.573

VS= 2.479

GS= 2.576

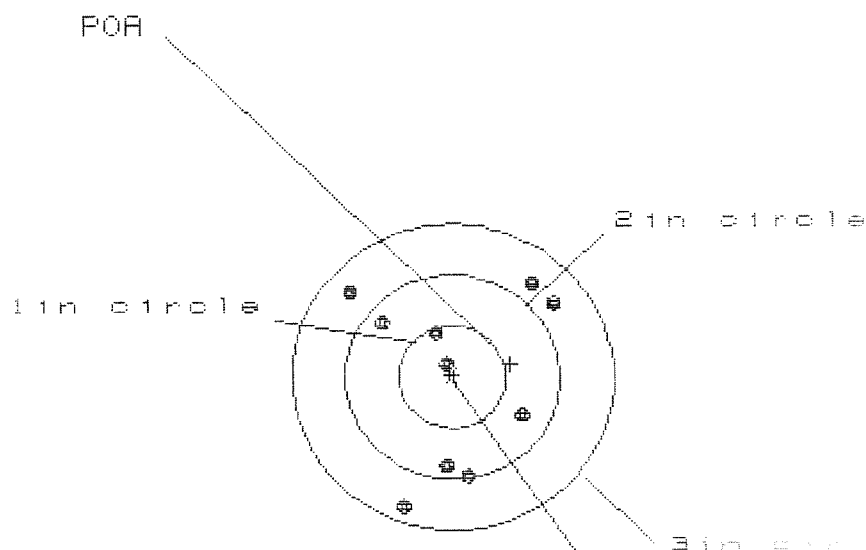
CENTROID

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.336	1.182
MINIMUM X	:	-1.320	-1.237	-.926
MAXIMUM Y	:	1.408	.662	.714
MINIMUM Y	:	-1.071	-.914	-.862
CENTROID X	:	-.577	-.660	-.506
CENTROID Y	:	.073	-.084	-.136
POA TO CENTROID in.	:	.581	.666	.524
MIN RADIUS	:	.459	.438	.598
MEAN RADIUS	:	1.007	.912	.872
MAX RADIUS	:	1.597	1.370	1.233
HORIZONTAL SPREAD	:	2.573	2.573	2.108
VERTICAL SPREAD	:	2.479	1.576	1.576
EXTREME SPREAD	:	2.576	2.576	2.211
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348960

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.892

VS= 2.141

GS= 2.424

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.988	.861	.732
MINIMUM X	-.984	-1.031	-.793
MAXIMUM Y	.983	.766	.849
MINIMUM Y	-1.238	-1.126	-1.043
CENTROID X	-.544	-.497	-.368
CENTROID Y	-.131	.006	-.077
POA TO CENTROID in.	.568	.497	.376
MIN RADIUS	.153	.145	.288
MEAN RADIUS	.883	.820	.779
MAX RADIUS	1.389	1.229	1.046
HORIZONTAL SPREAD	1.892	1.892	1.525
VERTICAL SPREAD	2.141	1.892	1.892
EXTREME SPREAD	2.424	2.097	1.989
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B960

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

HS = 1.823

VS = 2.118

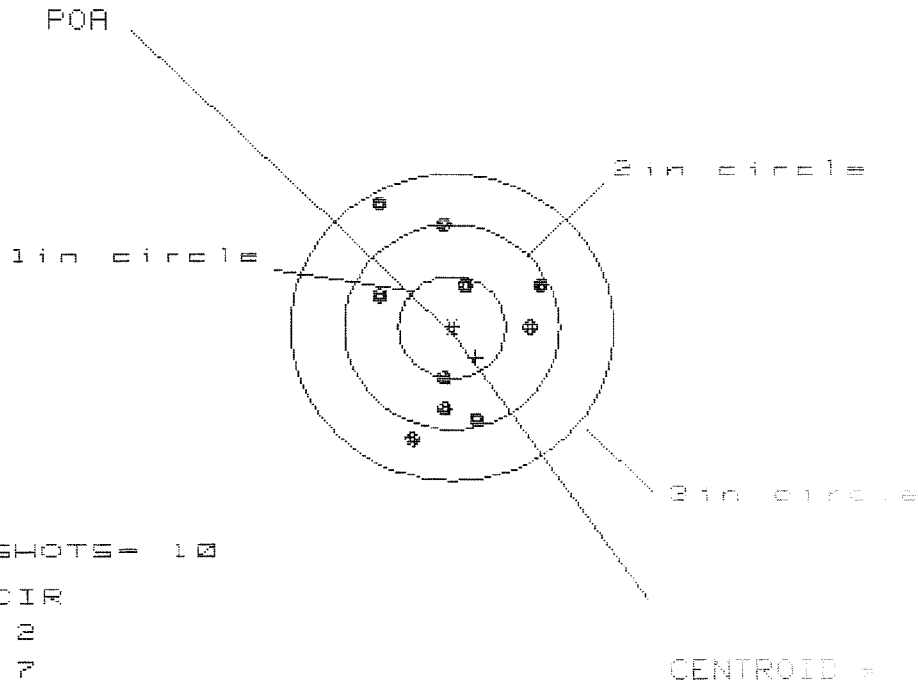
GS = 2.809

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.970	1.028	.923
MINIMUM X	-.953	-.846	-.812
MAXIMUM Y	1.011	.896	.948
MINIMUM Y	-1.107	-1.222	-1.110
CENTROID X	.067	-.040	.065
CENTROID Y	-.077	.038	-.074
POA TO CENTROID in.	.103	.055	.099
MIN RADIUS	.559	.562	.559
MEAN RADIUS	1.026	.972	.932
MAX RADIUS	1.419	1.290	1.226
HORIZONTAL SPREAD	1.923	1.874	1.735
VERTICAL SPREAD	2.118	2.118	2.058
EXTREME SPREAD	2.809	2.423	2.423
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348980

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.488

VS= 2.268

GS= 2.282

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.787	.716	.657
MINIMUM X	:	-.781	-.772	-.831
MAXIMUM Y	:	1.160	1.162	1.040
MINIMUM Y	:	-1.108	-.979	-.881
CENTROID X	:	-.226	-.155	-.096
CENTROID Y	:	.293	.164	.286
POA TO CENTROID in.	:	.370	.225	.302
MIN RADIUS	:	.393	.367	.389
MEAN RADIUS	:	.859	.790	.748
MAX RADIUS	:	1.328	1.175	1.065
HORIZONTAL SPREAD	:	1.488	1.488	1.488
VERTICAL SPREAD	:	2.268	2.141	1.921
EXTREME SPREAD	:	2.282	2.161	1.955
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

24 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348960

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.751

VS= 3.148

GS= 3.272

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.243	1.306	1.125
MINIMUM X	:	-1.508	-1.445	-1.398
MAXIMUM Y	:	1.347	1.147	1.098
MINIMUM Y	:	-1.801	-.615	-.664
CENTROID X	:	.030	-.033	.148
CENTROID Y	:	.118	.318	.367
POA TO CENTROID in.	:	.422	.320	.396
MIN RADIUS	:	.260	.060	.230
MEAN RADIUS	:	1.049	.921	.860
MAX RADIUS	:	1.888	1.498	1.394
HORIZONTAL SPREAD	:	2.751	2.751	2.515
VERTICAL SPREAD	:	3.148	1.762	1.762
EXTREME SPREAD	:	3.272	2.771	2.524
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348960
13 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.372404
1 TO	2	.393127
1 TO	3	.497305
1 TO	4	.214009
1 TO	5	.537379

5
142 <----POA

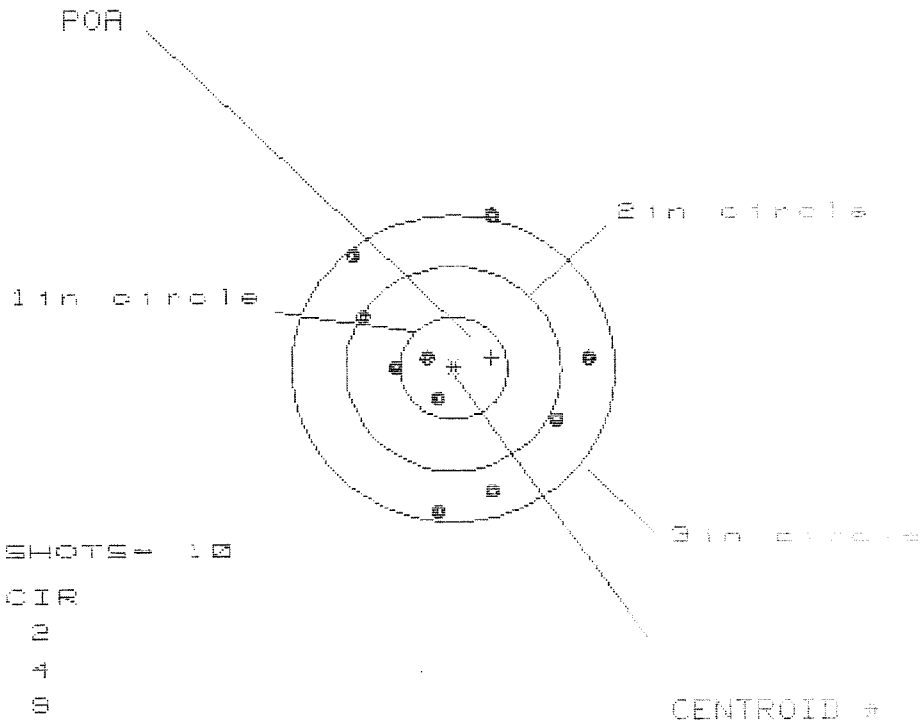
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2664
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .168
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .287459

THE AMR FOR THIS RIFLE IS: .9088

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06948966.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.157

VS= 2.893

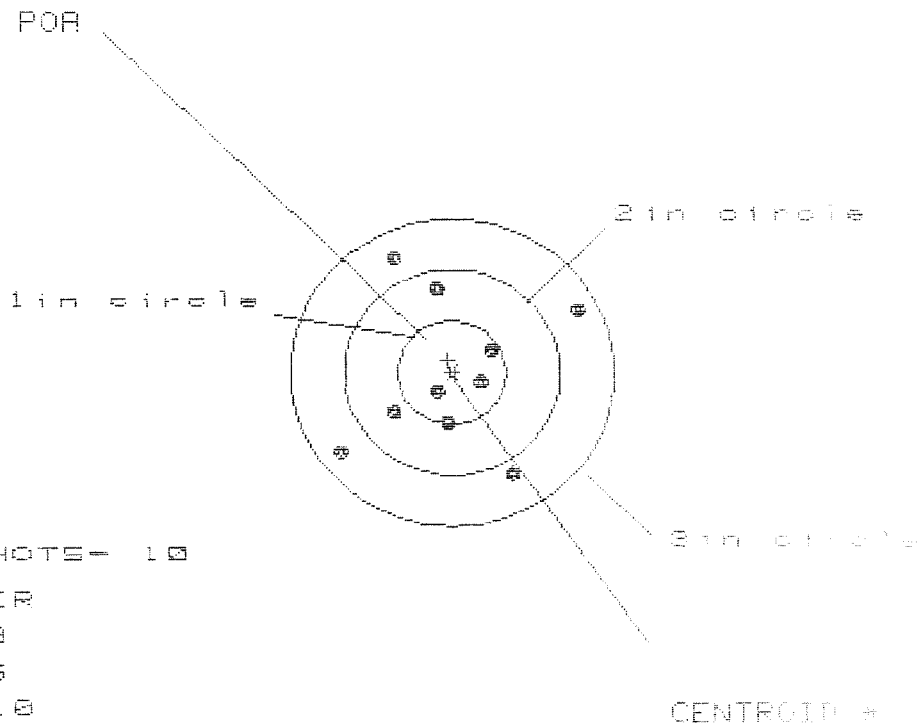
GS= 2.941

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.232	1.270	1.159
MINIMUM X	-.925	-.887	-.892
MAXIMUM Y	1.520	1.311	.835
MINIMUM Y	-1.373	-1.204	-1.040
CENTROID X	-.357	-.395	-.284
CENTROID Y	-.106	-.275	-.439
POA TO CENTROID in.	.372	.481	.523
MIN RADIUS	.246	.119	.196
MEAN RADIUS	1.002	.915	.842
MAX RADIUS	1.558	1.583	1.245
HORIZONTAL SPREAD	2.157	2.157	2.051
VERTICAL SPREAD	2.893	2.515	1.875
EXTREME SPREAD	2.941	2.656	2.086
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/083489B0.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.197

VS= 2.030

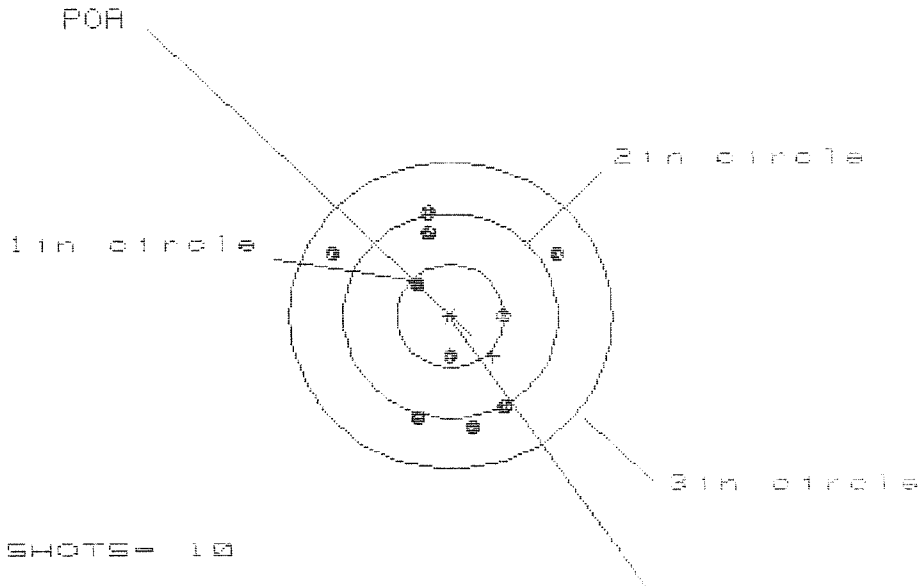
GS= 2.616

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.176	.705	.594
MINIMUM X	:	-1.021	-.890	-.555
MAXIMUM Y	:	1.091	1.163	1.075
MINIMUM Y	:	-.939	-.867	-.955
CENTROID X	:	.036	-.035	.016
CENTROID Y	:	-.116	-.188	-.100
POA TO CENTROID in.	:	.122	.211	.101
MIN RADIUS	:	.254	.145	.272
MEAN RADIUS	:	.796	.723	.670
MAX RADIUS	:	1.342	1.245	1.210
HORIZONTAL SPREAD	:	2.197	1.595	1.149
VERTICAL SPREAD	:	2.030	2.030	2.030
EXTREME SPREAD	:	2.616	2.333	2.333
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8340360.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

H8 = 2.049

V8 = 2.140

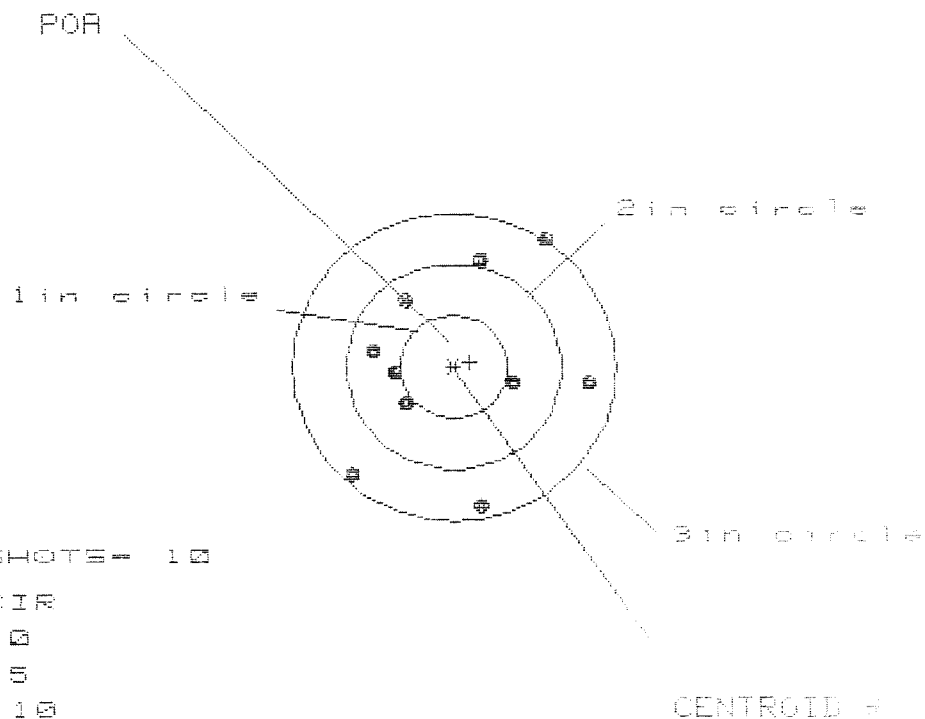
G8 = 2.207

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.961	.841	.490
MINIMUM X	:	-1.088	-.454	-.349
MAXIMUM Y	:	1.029	1.102	1.188
MINIMUM Y	:	-1.111	-1.038	-.952
CENTROID X	:	-.393	-.273	-.378
CENTROID Y	:	.390	.317	.231
POA TO CENTROID in.	:	.554	.418	.443
MIN RADIUS	:	.410	.344	.251
MEAN RADIUS	:	.880	.823	.779
MAX RADIUS	:	1.271	1.151	1.209
HORIZONTAL SPREAD	:	2.049	1.295	.839
VERTICAL SPREAD	:	2.140	2.140	2.140
EXTREME SPREAD	:	2.207	2.179	2.179
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348966.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS = 2.152

VS = 2.549

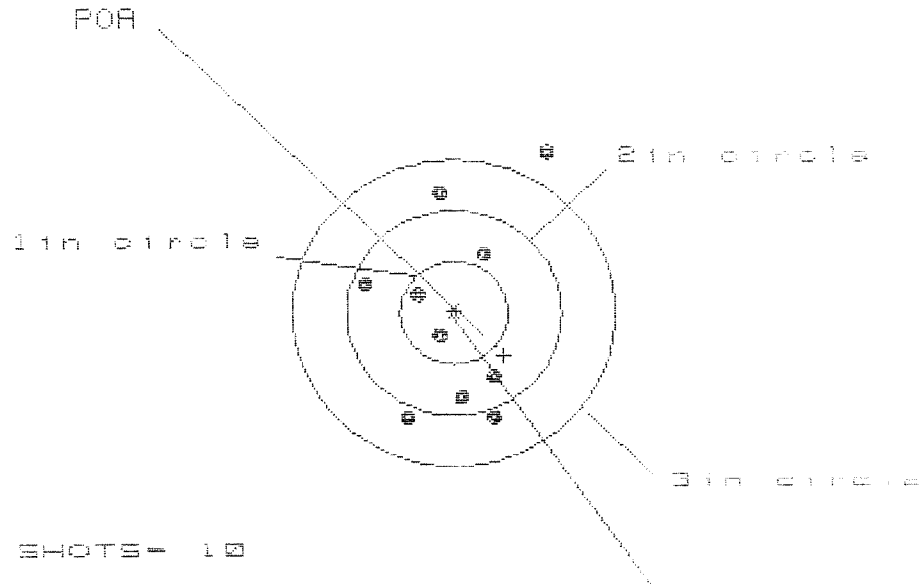
GS = 2.873

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.218	1.308	1.202
MINIMUM X	:	-.933	-.844	-.753
MAXIMUM Y	:	1.229	1.211	1.095
MINIMUM Y	:	-1.320	-1.183	-1.299
CENTROID X	:	-.151	-.241	-.135
CENTROID Y	:	-.048	-.185	-.069
POR TO CENTROID in.	:	.159	.304	.152
MIN RADIUS	:	.545	.394	.545
MEAN RADIUS	:	.980	.905	.867
MAX RADIUS	:	1.469	1.308	1.320
HORIZONTAL SPREAD	:	2.152	2.152	1.955
VERTICAL SPREAD	:	2.549	2.394	2.394
EXTREME SPREAD	:	2.873	2.430	2.394
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340850.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.705

VS= 2.578

GS= 2.851

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.827	.467	.467
MINIMUM X	-.878	-.786	-.786
MAXIMUM Y	1.566	1.307	.906
MINIMUM Y	-1.012	-.838	-.675
CENTROID X	-.467	-.559	-.559
CENTROID Y	.420	.246	.083
POR TO CENTROID in.	.628	.611	.565
MIN RADIUS	.258	.071	.093
MEAN RADIUS	.886	.749	.661
MAX RADIUS	1.771	1.307	1.004
HORIZONTAL SPREAD	1.705	1.253	1.253
VERTICAL SPREAD	2.578	2.145	1.581
EXTREME SPREAD	2.851	2.195	1.806
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	