

C6348892

MODEL 700™ M24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington®



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

MODEL 700™ H24

SERIAL NO.

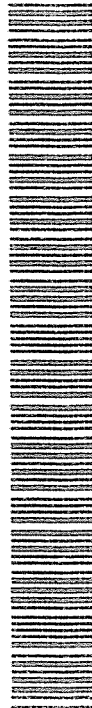
C6348892

ORDER NO.

5716

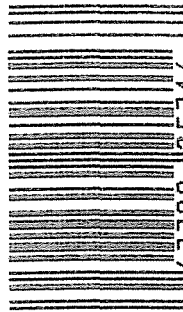
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6348892

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348892

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 30	89	DW
600	Proof	8 30	89	DW
607	Check Headspace	8 30	89	DW
610	Dis-assemble Gun	8 30	89	DW
612	Magnaflux Barrel Action		8/31/89	KCR
	Magnaflux Bolt		8/31/89	KCR
615	Rollmark Caliber		8/31/89	G.S.
7	Drill and Tap Sight Holes	9 1	89	FB
618	Polish Barrel RB	9 1	89	BT
620	Apply Coatings (Barrel Action)		9-7-89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		27 Sept 89	925

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			10/2/89	94
	G) Safety Off Force	4	4	4			10/2/89	94
	H) Trigger Pull Test & Retainability						27 Sept 89	928
	I) Firing Pin Indent	.021	.0215	.021			10/2/89	94
	J) Assemble Stock						10/3/89	RW
	K) Assemble Swivel Studs						4 Oct 89	928
	L) Attach Front and Rear Sight Assemblies						10/3/89	RW
	M) Iron Sight Alignment						10/3/89	RW
	N) Detach Front & Rear Sights & place in numbered container						10/3/89	RW
	O) Attach Scope to Rifle						10/3/89	94
	P) Detach & Attach Scope 20 Times						10/3/89	94
640	Gallery Target & Test						10-3-89	DH
	A) Time						10-3-89	DH
	B) Malfunctions						10-3-89	DH
	C) Pierced Primers						10-3-89	DH
	D) Optical Clarity of Scope						10-3-89	DH
645	Inspect for Live Ammo						10-3-89	DH
655	Final Inspection							
	A) Headspace						4 Oct 89	928
	B) Trigger Pull	266	259	261	264	265	4 Oct 89	928
	C) Function						4 Oct 89	928
660	Pack						14 Oct 89	928

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6348892DATE 4-6-90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.40 ²	2.46 ³		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.37	2.43		
PULL #3	2.47	2.35	2.39		
PULL #4	2.42	2.36	2.38		
PULL #5	2.40	2.35	2.36		
TOTAL	12.19	11.83	12.02		
AVG.	2.43	2.36	2.41		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.33		
PULL #2	3.27	3.34		
PULL #3	3.23	3.34		
PULL #4	3.28	3.30		
PULL #5	3.25	3.33		
TOTAL	16.41	16.64		
AVG.	3.28	3.32		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.24		
PULL #2	4.22	4.19		
PULL #3	4.25	4.10		
PULL #4	4.22	4.16		
PULL #5	4.20	4.12		
TOTAL	21.10	20.81		
AVG.	4.21	4.16		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348892
3 Oct 1989

CENTROIDAL DISTANCES

Ø TO	1	.618266
1 TO	2	.726176
1 TO	3	.77582
1 TO	4	.913474
1 TO	5	.48154

$\begin{matrix} 4 \\ +3 \\ 1 \end{matrix}$ $\begin{matrix} 2 \\ 5 \end{matrix}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0668
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1774
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18956

THE AMP FOR THIS RIFLE IS: 1.077

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348892

CENTERFIRE PATTERNS # 1

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= 3.524

VS= 2.822

GS= 4.140

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.217	.961	1.060
MINIMUM X	:	-2.307	-.978	-.879
MAXIMUM Y	:	1.661	1.576	.883
MINIMUM Y	:	-1.161	-1.246	-1.049
CENTROID X	:	-.157	.099	.000
CENTROID Y	:	-.598	-.513	-.710
POA TO CENTROID in.	:	.619	.522	.710
MIN RADIUS	:	.198	.189	.296
MEAN RADIUS	:	1.061	.888	.791
MAX RADIUS	:	2.431	1.763	1.082
HORIZONTAL SPREAD	:	3.524	1.939	1.939
VERTICAL SPREAD	:	2.822	2.822	1.932
EXTREME SPREAD	:	4.140	2.930	1.959
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

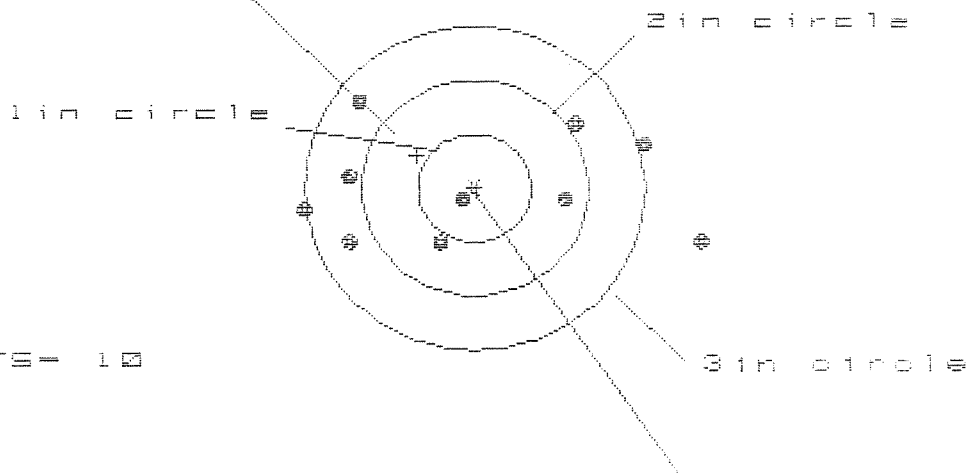
3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346882

CENTERFIRE PATTERNS

2

FOR



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS= 3.477

VS= 1.345

GS= 3.485

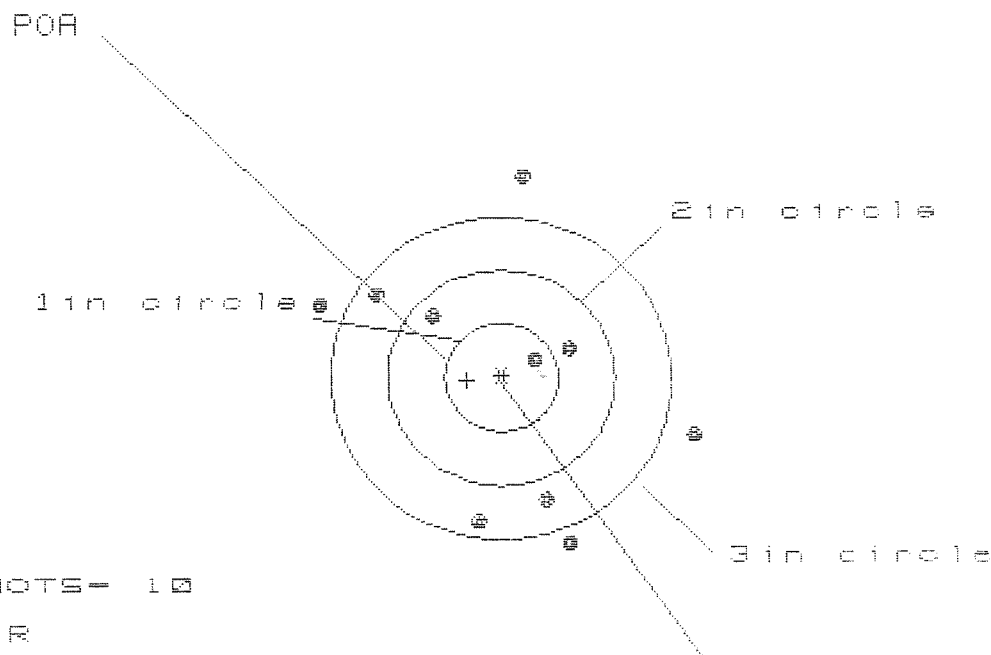
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.957	1.753	1.353
MINIMUM X	:	-1.520	-1.302	-1.083
MAXIMUM Y	:	.852	.799	.837
MINIMUM Y	:	-.493	-.546	-.508
CENTROID X	:	.507	.289	.070
CENTROID Y	:	-.304	-.251	-.289
FOR TO CENTROID in.	:	.591	.383	.297
MIN RADIUS	:	.157	.132	.300
MEAN RADIUS	:	1.143	1.017	.896
MAX RADIUS	:	2.016	1.779	1.469
HORIZONTAL SPREAD	:	3.477	3.055	2.436
VERTICAL SPREAD	:	1.345	1.345	1.345
EXTREME SPREAD	:	3.485	3.113	2.574
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/0634B892

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

ISI = 0.061

VSI = 0.409

CSI = 0.485

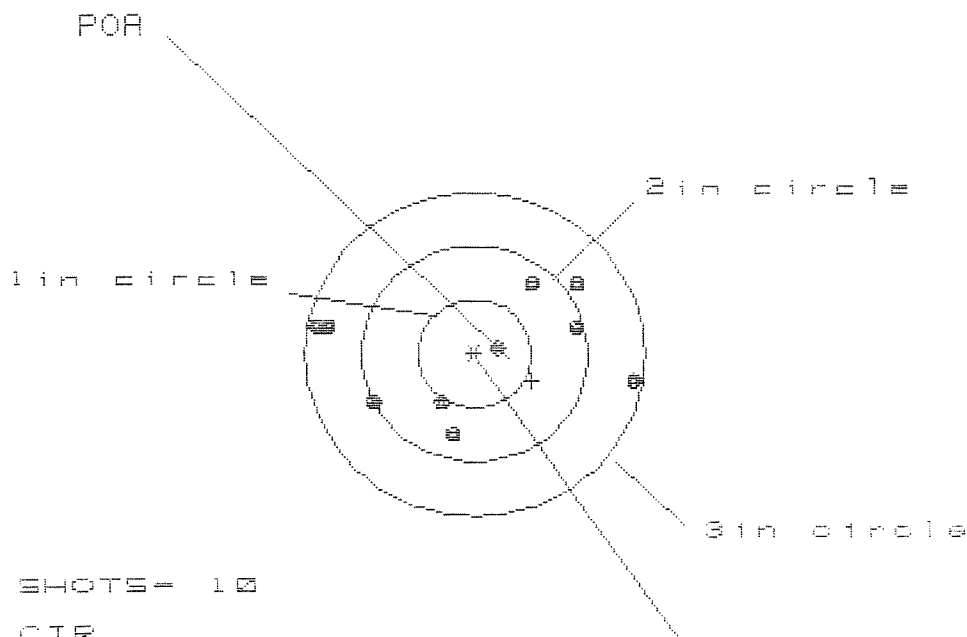
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.654	1.672	1.473
MINIMUM X	:	-1.607	-1.589	-1.329
MAXIMUM Y	:	1.894	.978	1.095
MINIMUM Y	:	-1.545	-1.334	-1.217
CENTROID X	:	.304	.286	.485
CENTROID Y	:	.026	-.185	-.301
POR TO CENTROID in.	:	.305	.341	.571
MIN RADIUS	:	.327	.499	.544
MEAN RADIUS	:	1.266	1.199	1.097
MAX RADIUS	:	1.901	1.843	1.722
HORIZONTAL SPREAD	:	3.261	3.261	2.802
VERTICAL SPREAD	:	3.439	2.312	2.312
EXTREME SPREAD	:	3.485	3.485	3.078
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348892

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.766

VS= 1.418

GS= 2.822

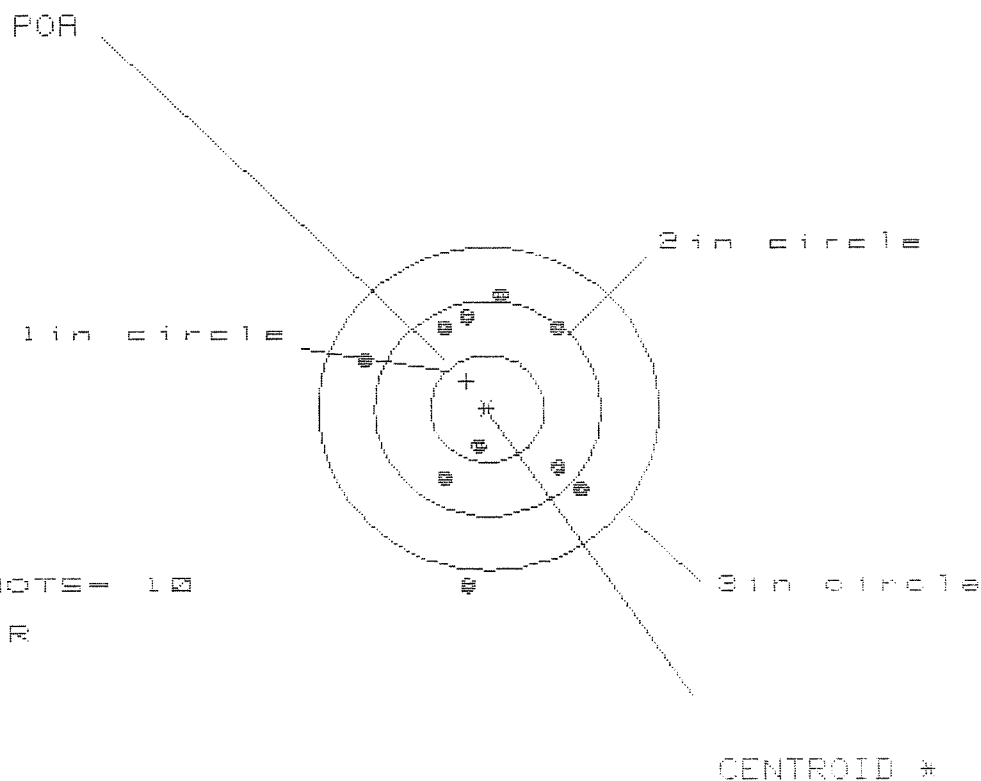
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.411	1.109	.959
MINIMUM X	:	-1.355	-1.198	-1.323
MAXIMUM Y	:	.635	.602	.631
MINIMUM Y	:	-.783	-.816	-.787
CENTROID X	:	-.504	-.661	-.511
CENTROID Y	:	.247	.280	.251
POA TO CENTROID in.	:	.561	.718	.569
MIN RADIUS	:	.237	.393	.244
MEAN RADIUS	:	.965	.917	.854
MAX RADIUS	:	1.441	1.221	1.341
HORIZONTAL SPREAD	:	2.766	2.307	2.282
VERTICAL SPREAD	:	1.418	1.418	1.418
EXTREME SPREAD	:	2.822	2.308	2.282
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

3 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348892

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 1.926

VS= 2.694

GS= 2.710

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.857	.837	.701
MINIMUM X	:	-1.069	-1.089	-.540
MAXIMUM Y	:	1.053	.870	.964
MINIMUM Y	:	-1.641	-.899	-.865
CENTROID X	:	.184	.204	.340
CENTROID Y	:	-.258	-.075	-.109
POR TO CENTROID in.	:	.316	.218	.357
MIN RADIUS	:	.329	.513	.515
MEAN RADIUS	:	.951	.861	.824
MAX RADIUS	:	1.652	1.228	1.113
HORIZONTAL SPREAD	:	1.926	1.926	1.241
VERTICAL SPREAD	:	2.694	1.769	1.769
EXTREME SPREAD	:	2.710	2.254	1.923
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348892
13 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.362724
1 TO	2	.210642
1 TO	3	.54904
1 TO	4	.500969
1 TO	5	.2502

3
10

<----FOR

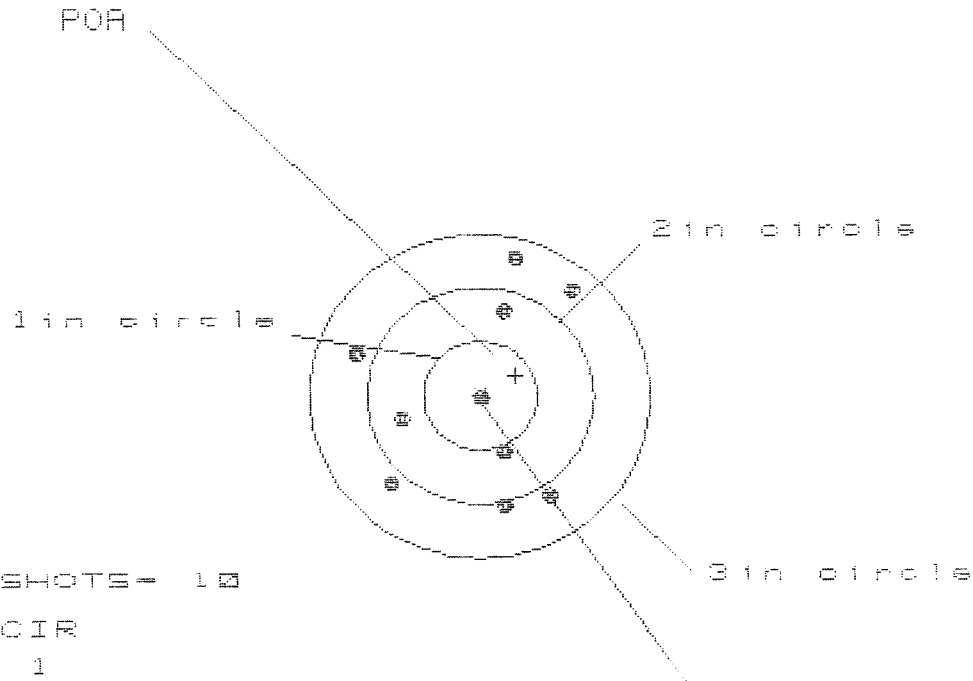
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1236
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0112
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .124106
THE AMR FOR THIS RIFLE IS: .936

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C0348082.1

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 10

HS# 1.875

VS# 2.322

GS# 2.394

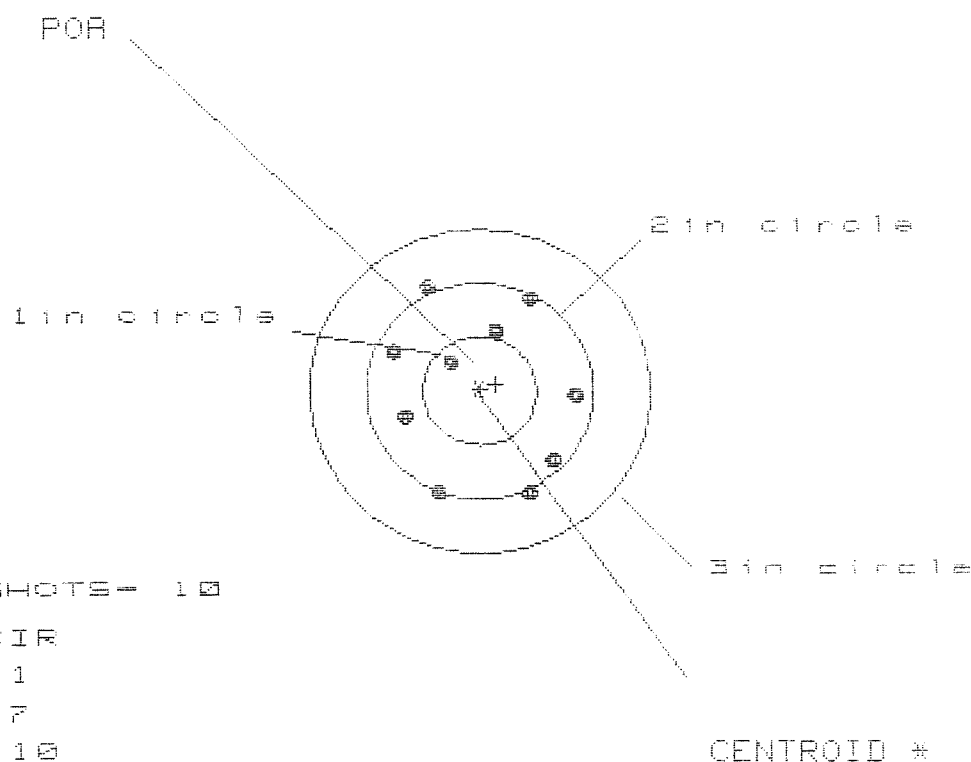
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.842	.792
MINIMUM X	:	-1.072	-1.033	-.928
MAXIMUM Y	:	1.264	1.170	1.084
MINIMUM Y	:	-1.058	-.918	-.772
CENTROID X	:	-.312	-.351	-.456
CENTROID Y	:	-.185	-.325	-.471
POR TO CENTROID in.	:	.363	.478	.656
MIN RADIUS	:	.019	.137	.316
MEAN RADIUS	:	.918	.866	.784
MAX RADIUS	:	1.311	1.441	1.145
HORIZONTAL SPREAD	:	1.875	1.875	1.720
VERTICAL SPREAD	:	2.322	2.088	1.856
EXTREME SPREAD	:	2.394	2.394	2.146
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08346882.1

CENTERFIRE PATTERNS # 2



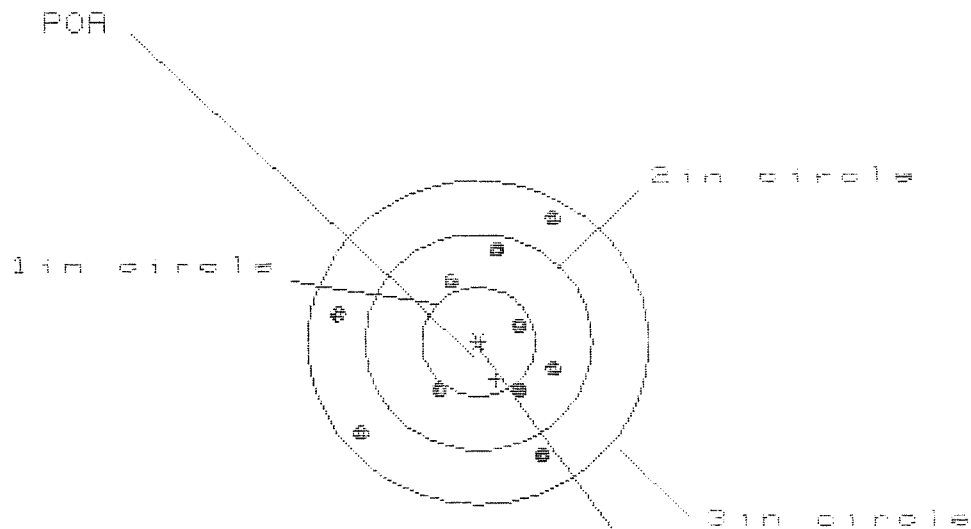
HS= 1.667
VS= 1.951
GS= 2.128

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.862	.810	.856
MINIMUM X	:	-.805	-.857	-.811
MAXIMUM Y	:	.965	.920	.813
MINIMUM Y	:	-.986	-.879	-.987
CENTROID X	:	-.141	-.089	-.135
CENTROID Y	:	-.062	-.169	-.061
POR TO CENTROID in.	:	.154	.191	.148
MIN RADIUS	:	.344	.456	.348
MEAN RADIUS	:	.840	.818	.785
MAX RADIUS	:	1.072	1.001	1.045
HORIZONTAL SPREAD	:	1.667	1.667	1.667
VERTICAL SPREAD	:	1.951	1.799	1.799
EXTREME SPREAD	:	2.128	1.962	1.962
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340892.1

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 1.8984

VS= 2.171

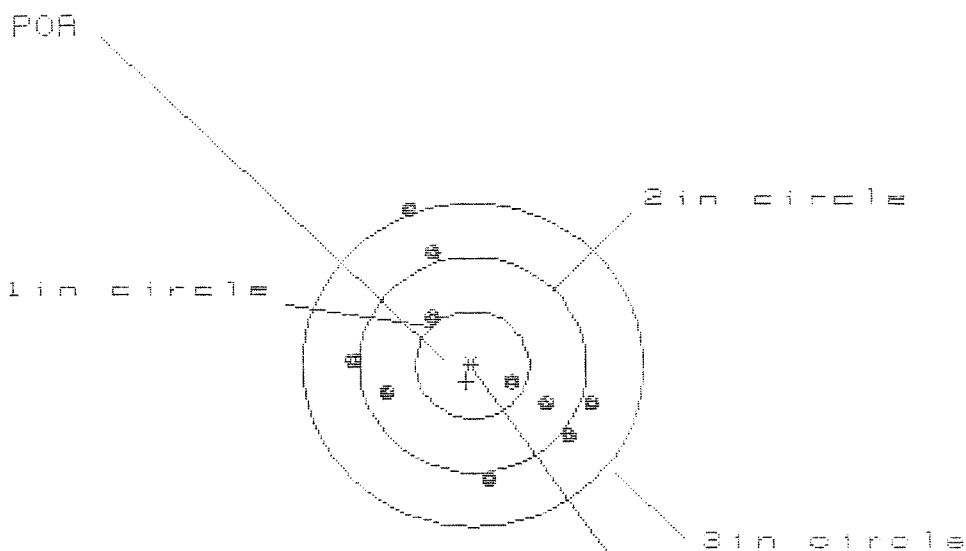
GS= 2.578

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.700	.583	.651
MINIMUM X	:	-1.194	-1.311	-1.243
MAXIMUM Y	:	1.133	1.044	.917
MINIMUM Y	:	-1.038	-1.127	-.996
CENTROID X	:	-.158	-.041	-.109
CENTROID Y	:	.342	.431	.300
POA TO CENTROID in.	:	.376	.433	.319
MIN RADIUS	:	.420	.284	.391
MEAN RADIUS	:	.887	.820	.773
MAX RADIUS	:	1.320	1.328	1.291
HORIZONTAL SPREAD	:	1.894	1.894	1.894
VERTICAL SPREAD	:	2.171	2.171	1.913
EXTREME SPREAD	:	2.578	2.224	2.224
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348892.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS = 2.030

VS = 2.530

GS = 2.630

CENTROID *

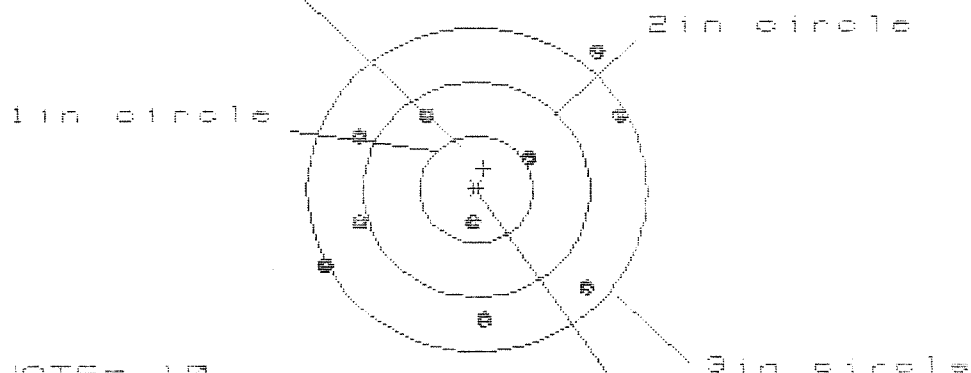
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.952	.966
MINIMUM X	:	-1.020	-1.078	-1.064
MAXIMUM Y	:	1.439	1.169	1.052
MINIMUM Y	:	-1.099	-.939	-.616
CENTROID X	:	.055	.113	.099
CENTROID Y	:	.156	-.004	.113
FOR TO CENTROID in.	:	.165	.113	.150
MIN RADIUS	:	.424	.319	.365
MEAN RADIUS	:	.931	.843	.829
MAX RADIUS	:	1.530	1.240	1.125
HORIZONTAL SPREAD	:	2.030	2.030	2.030
VERTICAL SPREAD	:	2.530	2.100	1.660
EXTREME SPREAD	:	2.630	2.172	2.064
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

13 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06048892.1

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 2.527

VS = 2.475

GS = 3.140

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.232	1.355	1.289
MINIMUM X	:	-1.294	-1.172	-1.094
MAXIMUM Y	:	1.270	.867	.790
MINIMUM Y	:	-1.205	-1.064	-1.141
CENTROID X	:	-.062	-.185	-.039
CENTROID Y	:	-.195	-.336	-.259
FOR TO CENTROID in.	:	.205	.384	.262
MIN RADIUS	:	.282	.193	.218
MEAN RADIUS	:	1.104	1.023	.976
MAX RADIUS	:	1.684	1.609	1.444
HORIZONTAL SPREAD	:	2.527	2.527	2.303
VERTICAL SPREAD	:	2.475	1.931	1.931
EXTREME SPREAD	:	3.140	2.928	2.520
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	