

C6349200

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

[REDACTED]

COPY "O" (OFFICIAL) ☐ "X" (EXTRA) ☒

TOTAL RETENTION:

[REDACTED]

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400110073

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6349200	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			
 5716 C6349200			

UPC



0 47700 25716 7

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349200

DATE 10-19-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.37	2.53		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.72	2.41		
PULL #3	2.72	2.70	2.66		
PULL #4	2.32	2.74	2.62		
PULL #5	2.67	2.74	2.74		
TOTAL	12.89	13.27	12.96		
AVG.	2.57	2.65	2.59		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	2.87		
PULL #2	2.87	2.80		
PULL #3	2.92	2.81		
PULL #4	2.85	2.95		
PULL #5	2.85	2.82		
TOTAL	14.49	14.25		
AVG.	2.89	2.85		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.00	4.21	
PULL #2	4.12	4.20	4.01	
PULL #3	4.11	4.17	4.06	
PULL #4	4.09	4.01	4.10	
PULL #5	4.06	3.88	4.16	
TOTAL	20.59	20.26	20.54	
AVG.	4.11	4.05	4.10	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349200

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
625 cont.	F) Safety On Force	6 1/2	6 1/4	6 1/4			11/27	WB
	G) Safety Off Force	3 1/2	3 1/4	3 1/4			11/27	WB
	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	2.72	2.63	2.72	2.77	2.68	11/27	WB
	C) Function							
660	Pack							

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349200

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12 90	4/12/90	RW
600	Proof	4 12 90	4/12/90	A
607	Check Headspace	4 12 90	4/12/90	A
610	Dis-assemble Gun	4 12 90	4/12/90	RW
612	Magnaflux Barrel Action	4-19-90	4-19-90	KCR
	Magnaflux Bolt	4-19-90	4-19-90	KCR
615	Rollmark Caliber	4-19-90	4-19-90	LS
617	Drill and Tap Sight Holes		4/23/90	RB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/20/90	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/16/90	GE

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/17/90	gcl
	G) Safety Off Force	3	3	3			5/17/90	gcl
	H) Trigger Pull Test & Retainability						5/16/90	gcl
	I) Firing Pin Indent	.0225	.0225	.0225			5/17/90	gcl
	J) Assemble Stock						5/17/90	Rw
	K) Assemble Swivel Studs						25 May 90	gcl
	L) Attach Front and Rear Sight Assemblies						5/17/90	Rw
	M) Iron Sight Alignment						5/17/90	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/17/90	Rw
	O) Attach Scope to Rifle						5/17/90	gcl
	P) Detach & Attach Scope 20 Times						5/17/90	gcl
640	Gallery Target & Test						5-17-90	DH
	A) Time						5-17-90	DH
	B) Malfunctions						5-17-90	DH
	C) Pierced Primers						5-17-90	DH
	D) Optical Clarity of Scope						5-17-90	DH
645	Inspect for Live Ammo						5-17-90	DH
655	Final Inspection						25 May 90	gcl
	A) Headspace						25 May 90	gcl
	B) Trigger Pull	2.68	2.72	2.70	2.77	2.75	5/22/90	W.B.
	C) Function						25 May 90	gcl
660	Pack						6-20-90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6349200

DATE 5/16/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.36	2.43	1.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.35	2.40	1.72	
PULL #3	2.38	2.45	2.35	2.70	
PULL #4	2.40	2.39	2.47	2.72	
PULL #5	2.38	2.47	2.36	2.75	
TOTAL	11.95	12.02	12.01		
AVG.	2.39	2.404	2.402		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.50		
PULL #2	3.14	3.35		
PULL #3	3.20	3.42		
PULL #4	3.42	3.44		
PULL #5	3.45	3.44		
TOTAL	16.49	17.15		
AVG.	3.298	3.43		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.38		4.24
PULL #2	4.21	4.19		4.19
PULL #3	4.18	4.21		4.23
PULL #4	4.17	4.27		4.28
PULL #5	4.29	4.23		4.29
TOTAL	21.02	21.28		21.23
AVG.	4.204	4.256		4.246

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349200
18 May 1990

CENTROIDAL DISTANCES

0 TO	1	.0981275
1 TO	2	.414401
1 TO	3	.0490918
1 TO	4	.190434
1 TO	5	.300781

& <----POA

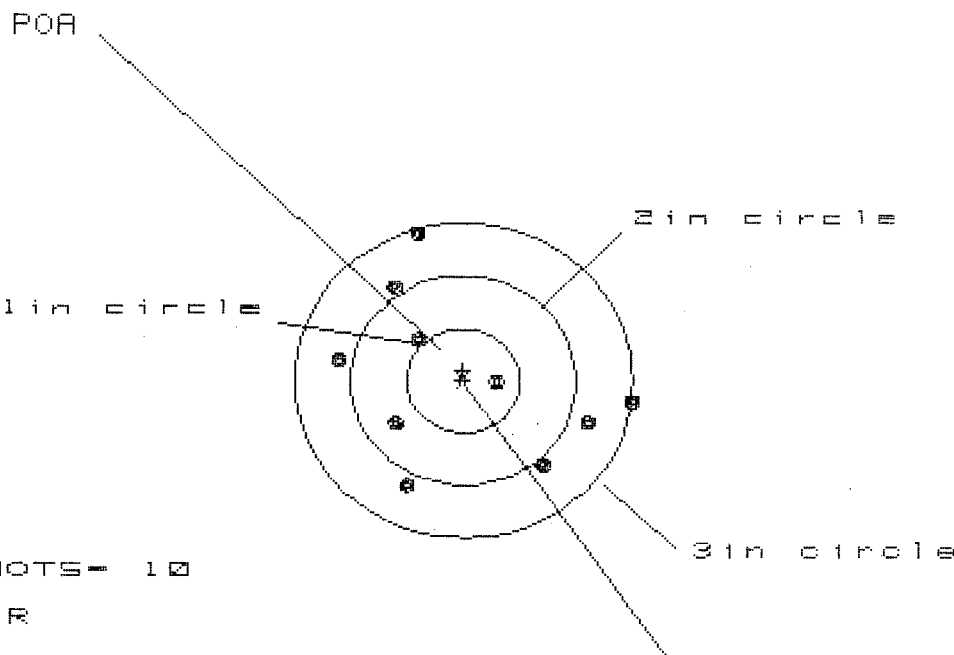
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0704
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .073
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101416

THE AMR FOR THIS RIFLE IS: .8544

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349200

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.605

VS= 2.413

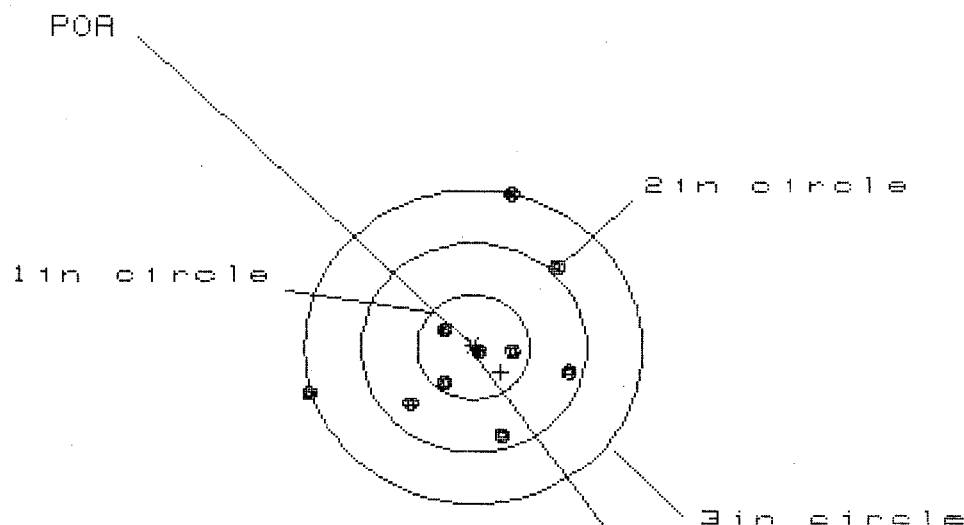
GS= 2.626

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.535	1.224	1.193
MINIMUM X	:	-1.070	-.899	-.930
MAXIMUM Y	:	1.392	1.373	1.027
MINIMUM Y	:	-1.021	-1.040	-.868
CENTROID X	:	.005	-.166	-.135
CENTROID Y	:	-.098	-.079	-.251
POA TO CENTROID in.	:	.098	.184	.285
MIN RADIUS	:	.305	.461	.479
MEAN RADIUS	:	1.010	.934	.871
MAX RADIUS	:	1.545	1.396	1.220
HORIZONTAL SPREAD	:	2.605	2.123	2.123
VERTICAL SPREAD	:	2.413	2.413	1.895
EXTREME SPREAD	:	2.626	2.472	2.198
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			9	

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349200

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.321

VS= 2.360

GS= 2.576

CENTROID +

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.861	.895	.717
MINIMUM X	:	-1.460	-1.426	-.688
MAXIMUM Y	:	1.484	.903	.875
MINIMUM Y	:	-.876	-.711	-.739
CENTROID X	:	-.243	-.277	-.099
CENTROID Y	:	.234	.069	.097
POA TO CENTROID in.	:	.337	.285	.139
MIN RADIUS	:	.024	.166	.176
MEAN RADIUS	:	.766	.677	.573
MAX RADIUS	:	1.516	1.444	1.033
HORIZONTAL SPREAD	:	2.321	2.321	1.405
VERTICAL SPREAD	:	2.360	1.614	1.614
EXTREME SPREAD	:	2.576	2.431	1.751
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349280

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.908

VS= 2.466

GS= 2.469

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.111	1.171	1.232
MINIMUM X	:	-.798	-.737	-.677
MAXIMUM Y	:	1.242	1.107	.583
MINIMUM Y	:	-1.224	-.833	-.695
CENTROID X	:	.002	-.059	-.119
CENTROID Y	:	-.049	.087	-.051
POA TO CENTROID in.	:	.049	.105	.130
MIN RADIUS	:	.302	.171	.235
MEAN RADIUS	:	.801	.710	.635
MAX RADIUS	:	1.339	1.237	1.259
HORIZONTAL SPREAD	:	1.908	1.908	1.908
VERTICAL SPREAD	:	2.466	1.940	1.278
EXTREME SPREAD	:	2.469	2.067	2.021
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349200

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.584

VS= 2.166

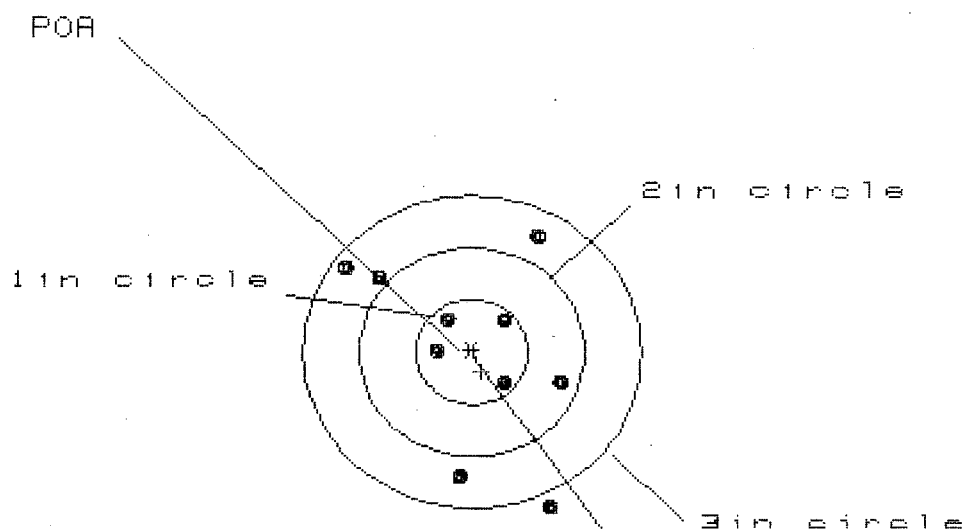
GS= 2.320

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.779	.689	.681
MINIMUM X	:	-.805	-.681	-.689
MAXIMUM Y	:	1.152	1.039	.776
MINIMUM Y	:	-1.014	-.830	-.700
CENTROID X	:	-.031	.059	.067
CENTROID Y	:	.089	.202	.072
POA TO CENTROID in.	:	.095	.210	.098
MIN RADIUS	:	.241	.292	.168
MEAN RADIUS	:	.810	.753	.696
MAX RADIUS	:	1.295	1.041	.915
HORIZONTAL SPREAD	:	1.584	1.370	1.370
VERTICAL SPREAD	:	2.166	1.869	1.476
EXTREME SPREAD	:	2.320	1.881	1.679
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

18 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349200

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 9

HS= 1.874

VS= 2.560

GS= 2.827

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.768	.840	.711
MINIMUM X	-1.107	-1.034	-.873
MAXIMUM Y	1.107	.946	1.021
MINIMUM Y	-1.453	-1.397	-1.322
CENTROID X	-.085	-.157	-.028
CENTROID Y	.189	.350	.275
POA TO CENTROID in.	.287	.384	.276
MIN RADIUS	.300	.231	.323
MEAN RADIUS	.885	.785	.729
MAX RADIUS	1.592	1.398	1.334
HORIZONTAL SPREAD	1.874	1.874	1.583
VERTICAL SPREAD	2.560	2.343	2.343
EXTREME SPREAD	2.827	2.436	2.436
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349200
18 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.272281
1 TO	2	.576563
1 TO	3	.412433
1 TO	4	.393001
1 TO	5	.699217

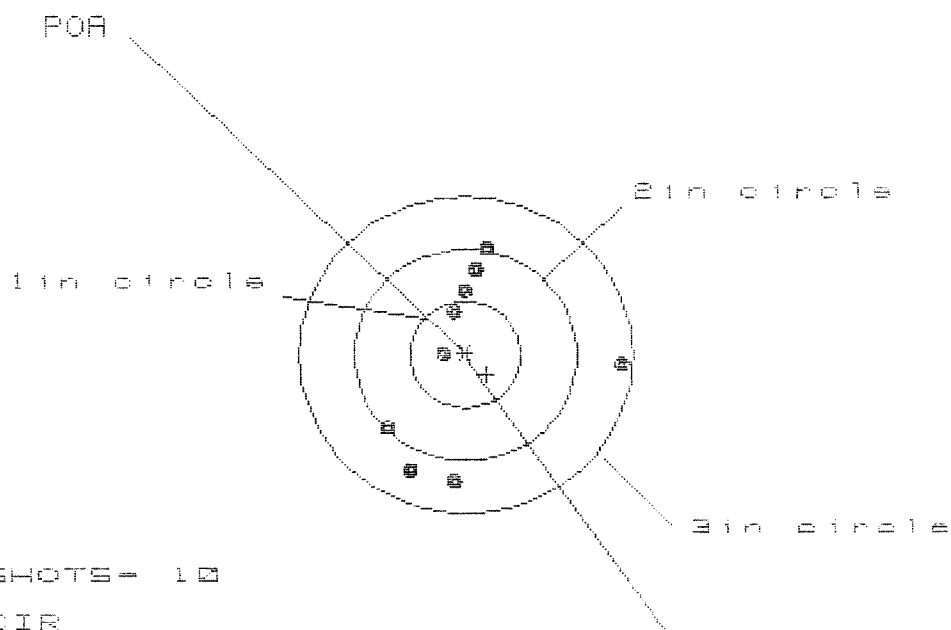
$\bar{L}^2_{\#5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0686
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0402
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .079511
THE AMR FOR THIS RIFLE IS: .9752

18 Jun 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6349280.1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.138

VS= 2.237

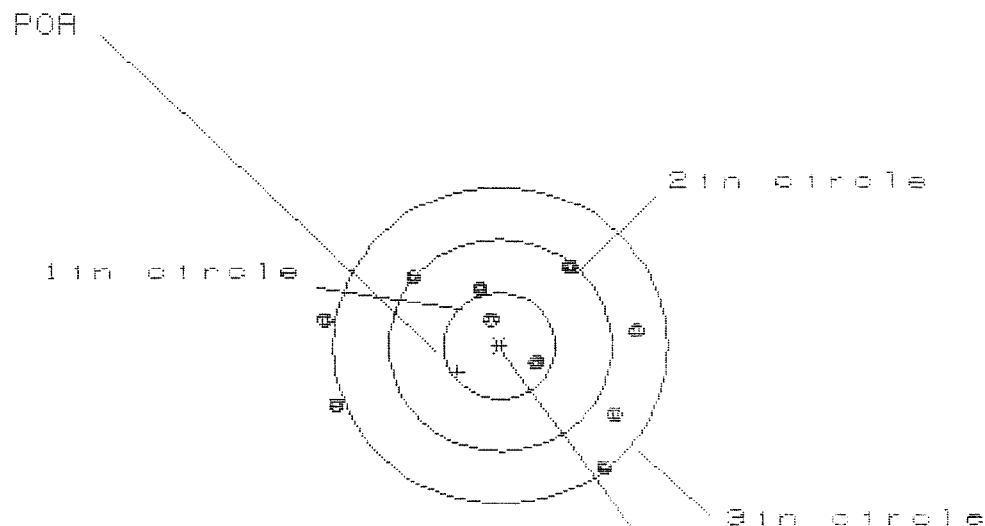
GS= 2.256

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.423	.356	.364
MINIMUM X	:	-.715	-.557	-.549
MAXIMUM Y	:	1.006	.993	.837
MINIMUM Y	:	-1.231	-1.244	-1.286
CENTROID X	:	-.196	-.354	-.362
CENTROID Y	:	.189	.202	.358
POA TO CENTROID in.	:	.272	.408	.509
MIN RADIUS	:	.248	.090	.180
MEAN RADIUS	:	.838	.744	.636
MAX RADIUS	:	1.428	1.246	1.319
HORIZONTAL SPREAD	:	2.138	.913	.913
VERTICAL SPREAD	:	2.237	2.237	2.123
EXTREME SPREAD	:	2.256	2.256	2.223
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349200.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 2.801

VS= 1.972

GS= 2.928

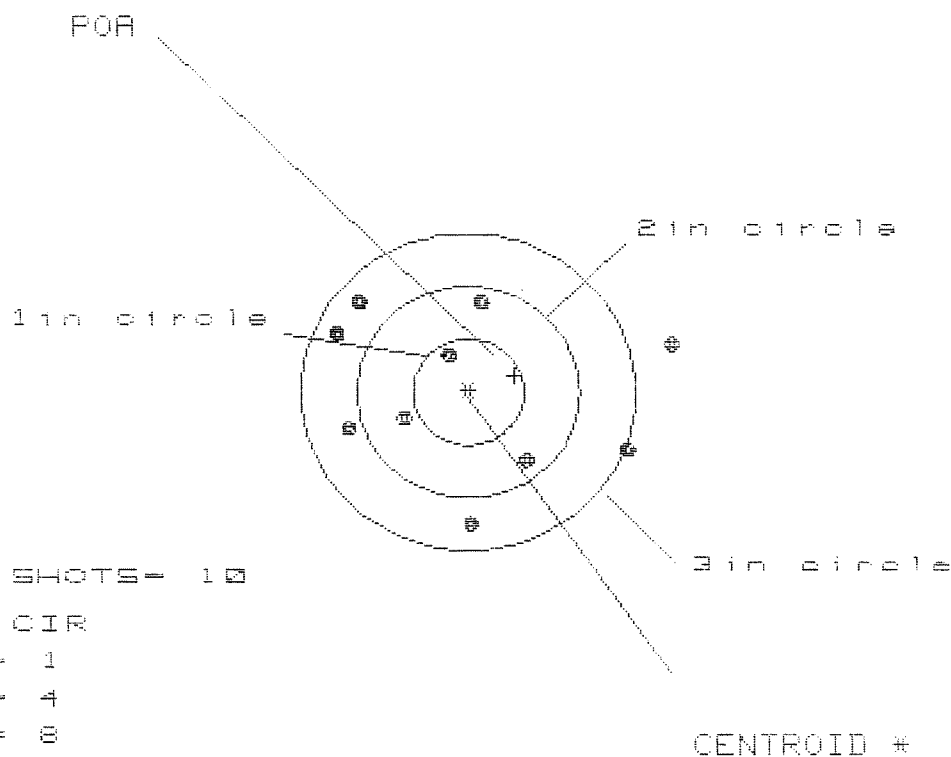
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.180	.999	.794
MINIMUM X	:	-1.621	-1.641	-1.175
MAXIMUM Y	:	.776	.807	.739
MINIMUM Y	:	-1.196	-1.165	-1.233
CENTROID X	:	.377	.558	.763
CENTROID Y	:	.253	.222	.290
POA TO CENTROID in.	:	.455	.600	.816
MIN RADIUS	:	.202	.203	.182
MEAN RADIUS	:	1.029	.940	.821
MAX RADIUS	:	1.646	1.729	1.339
HORIZONTAL SPREAD	:	2.801	2.640	1.969
VERTICAL SPREAD	:	1.972	1.972	1.972
EXTREME SPREAD	:	2.928	2.732	2.488
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349200.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.922

VS= 2.170

GS= 2.928

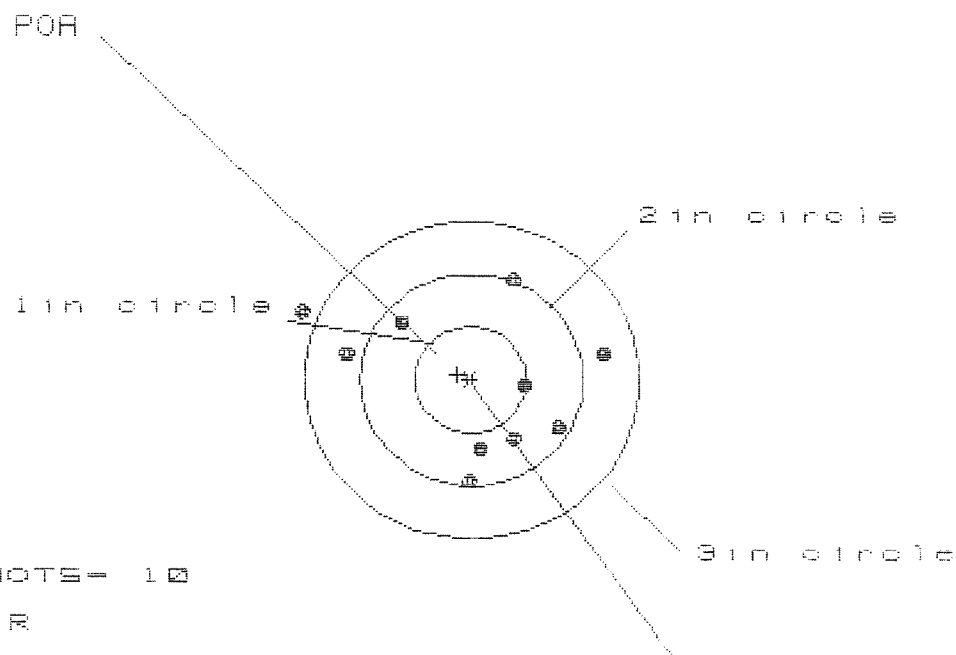
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.793	1.637	.953
MINIMUM X	:	-1.129	-.930	-.725
MAXIMUM Y	:	.879	.925	.866
MINIMUM Y	:	-1.291	-1.245	-1.304
CENTROID X	:	-.422	-.621	-.826
CENTROID Y	:	-.156	-.202	-.143
POA TO CENTROID in.	:	.450	.653	.838
MIN RADIUS	:	.433	.412	.328
MEAN RADIUS	:	1.113	.997	.871
MAX RADIUS	:	1.840	1.705	1.385
HORIZONTAL SPREAD	:	2.922	2.567	1.678
VERTICAL SPREAD	:	2.170	2.170	2.170
EXTREME SPREAD	:	2.928	2.832	2.426
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349200.1

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.668

VS= 1.933

GS= 2.710

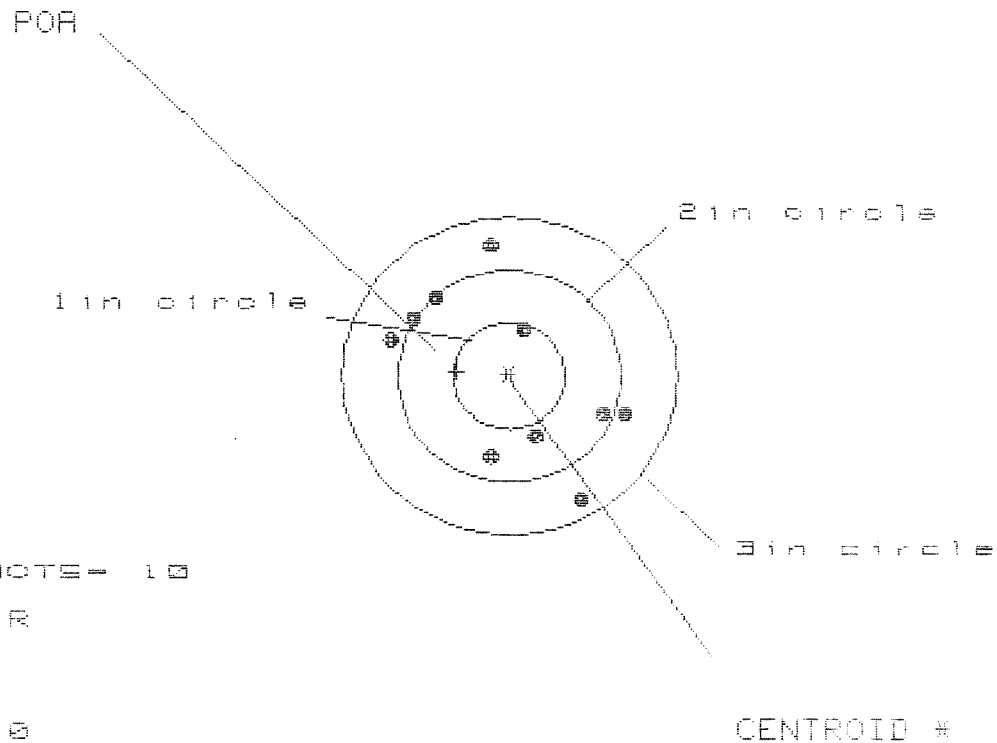
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.153	.985	.741
MINIMUM X	:	-1.515	-1.305	-1.182
MAXIMUM Y	:	.958	1.032	1.066
MINIMUM Y	:	-.975	-.901	-.867
CENTROID X	:	.119	.287	.164
CENTROID Y	:	-.046	-.120	-.154
POR TO CENTROID in.	:	.127	.311	.225
MIN RADIUS	:	.437	.277	.404
MEAN RADIUS	:	.952	.829	.813
MAX RADIUS	:	1.656	1.336	1.224
HORIZONTAL SPREAD	:	2.668	2.290	1.923
VERTICAL SPREAD	:	1.933	1.933	1.933
EXTREME SPREAD	:	2.710	2.290	2.025
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349200.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS = 2.086

VS = 2.322

GS = 2.452

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.068	1.138	1.126
MINIMUM X	:	-1.018	-.948	-.960
MAXIMUM Y	:	1.189	1.063	.702
MINIMUM Y	:	-1.133	-.901	-.768
CENTROID X	:	.465	.395	.407
CENTROID Y	:	-.039	.087	-.046
POA TO CENTROID in.	:	.467	.405	.410
MIN RADIUS	:	.439	.363	.469
MEAN RADIUS	:	.944	.895	.868
MAX RADIUS	:	1.294	1.250	1.190
HORIZONTAL SPREAD	:	2.086	2.086	2.086
VERTICAL SPREAD	:	2.322	1.964	1.470
EXTREME SPREAD	:	2.452	2.216	2.216
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			10	