

C6611454

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Remington[®]


REG. U.S. PAT. & TM. OFF.

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

MODEL 700TM H24

SERIAL NO.
C6611454

ORDER NO.
5716

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

20



5716 C6611454



Had to Adjust
Barrel

Re Target

OK

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611454

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25	91	RW
600	Proof	3 25	91	RW
607	Check Headspace	3 25	91	RW
610	Dis-assemble Gun	3 25	91	RW
612	Magnaflux Barrel Action	3 28	91	KR
	Magnaflux Bolt	3 28	91	KR
615	Rollmark Caliber	3 28	91	JS
617	Drill and Tap Sight Holes	APR	3 1991	FB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/3/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/3/91	921
	G) Safety Off Force	4	4	4			5/3/91	921
	H) Trigger Pull Test & Retainability						5/3/91	921
	I) Firing Pin Indent	1022	1022	1022			5/3/91	921
	J) Assemble Stock						5/6/91	RW
	K) Assemble Swivel Studs						5-9-91	AC
	L) Attach Front and Rear Sight Assemblies						5/6/91	RW
	M) Iron Sight Alignment						5/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/6/91	RW
	O) Attach Scope to Rifle						5/6/91	RW
	P) Detach & Attach Scope 20 Times						5/6/91	RW
640	Gallery Target & Test						5/6/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						5/6/91	KJ
655	Final Inspection							
	A) Headspace						5-9-91	AC
	B) Trigger Pull	2.57	2.52	2.59	2.52	2.55	5/9/91	921
	C) Function						5-9-91	AC
660	Pack						6-20-91	N-

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611454DATE 5-3-91TESTER JEP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.24	2.30	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.26	2.29	2.52	
PULL #3	2.22	2.22	2.29	2.59	
PULL #4	2.18	2.26	2.24	2.52	
PULL #5	2.23	2.27	2.26	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.28		
PULL #2	3.31	3.17		
PULL #3	3.30	3.21		
PULL #4	3.34	3.28		
PULL #5	3.14	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	4.30	4.35		4.46
PULL #2	4.27	4.50		4.39
PULL #3	4.51	4.43		4.39
PULL #4	4.44	4.39		4.39
PULL #5	4.52	4.50		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611454
6 May 1991

CENTROIDAL DISTANCES

0 TO	1	.446754
1 TO	2	.235128
1 TO	3	.455992
1 TO	4	.349903
1 TO	5	.298324

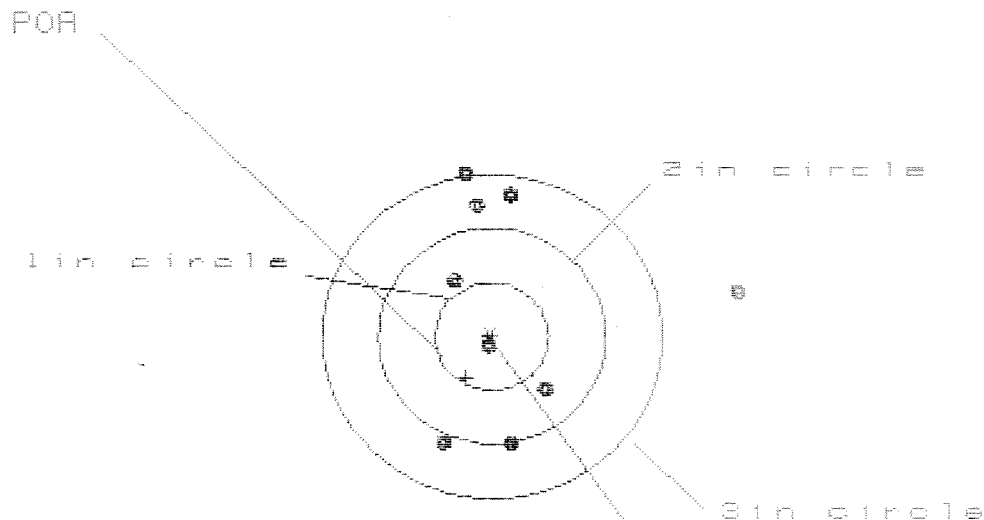
9.1
(----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .09
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1868
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207351
THE AMR FOR THIS RIFLE IS: 1.057

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611454

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 3.916

VS = 3.781

GS = 4.763

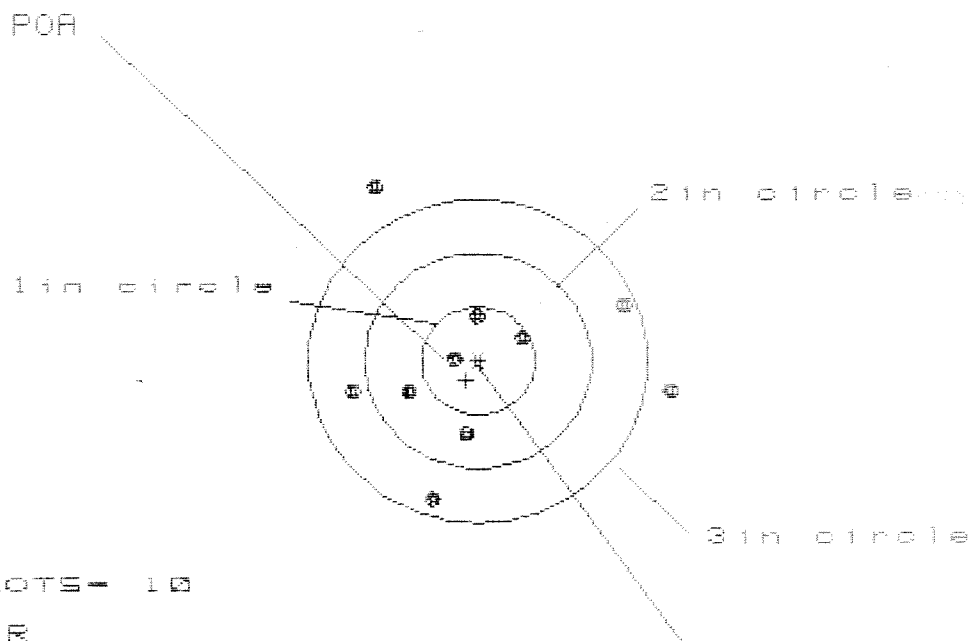
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.190	1.998	.483
MINIMUM X	-1.726	-.643	-.393
MAXIMUM Y	1.495	1.241	1.262
MINIMUM Y	-2.286	-1.266	-1.245
CENTROID X	.230	.422	.172
CENTROID Y	.383	.637	.616
POA TO CENTROID in.	.447	.764	.639
MIN RADIUS	.110	.428	.323
MEAN RADIUS	1.260	1.093	.934
MAX RADIUS	2.865	2.005	1.305
HORIZONTAL SPREAD	3.916	2.641	.876
VERTICAL SPREAD	3.781	2.507	2.507
EXTREME SPREAD	4.763	3.007	2.518
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611454

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.853

VS = 2.856

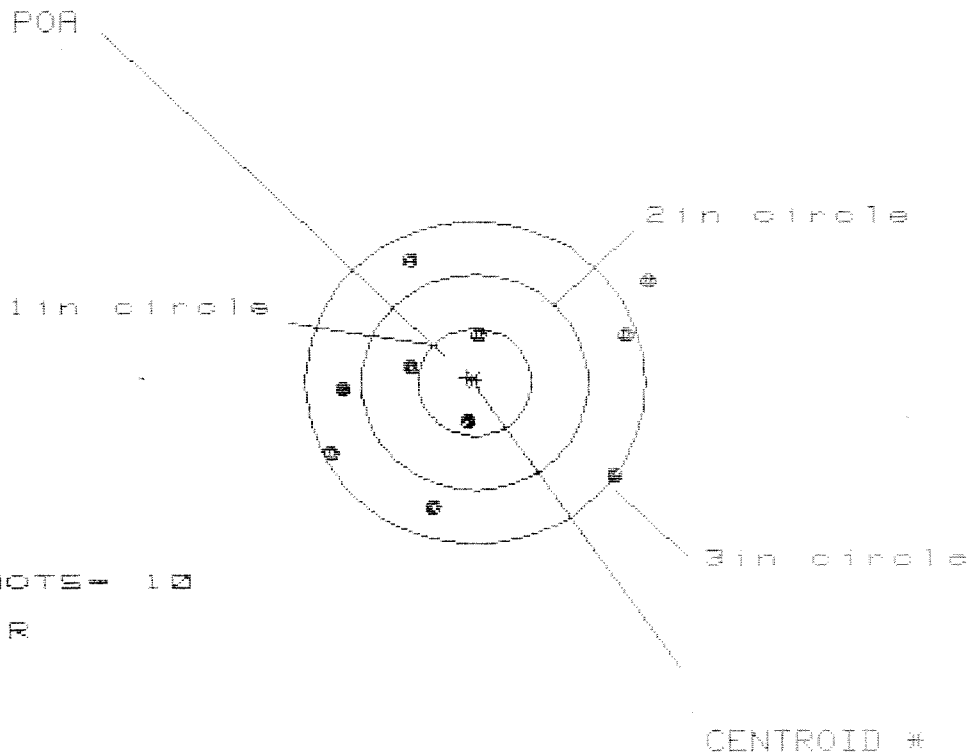
GS = 3.255

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.724	1.619	1.487
MINIMUM X	-1.139	-1.244	-1.042
MAXIMUM Y	1.615	.713	.704
MINIMUM Y	-1.241	-1.062	-1.071
CENTROID X	.108	.213	.011
CENTROID Y	.182	.003	.012
POA TO CENTROID in.	.212	.213	.016
MIN RADIUS	.171	.337	.199
MEAN RADIUS	.991	.905	.773
MAX RADIUS	1.870	1.620	1.574
HORIZONTAL SPREAD	2.863	2.863	2.449
VERTICAL SPREAD	2.856	1.775	1.775
EXTREME SPREAD	3.255	2.863	2.582
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

5 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611454

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 3

3in = 9

HS = 2.751

VS = 2.309

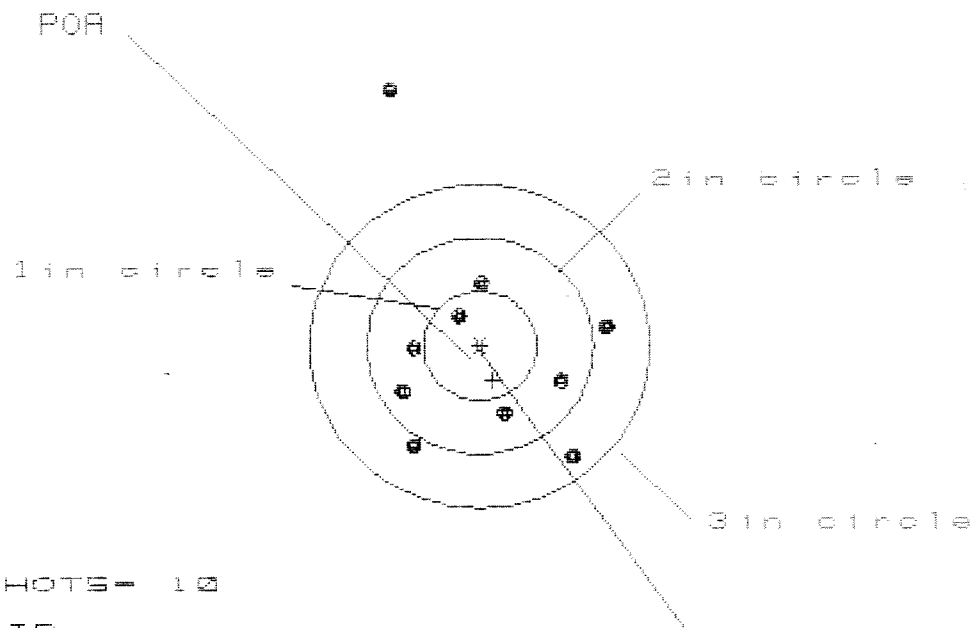
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PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.488	1.509	1.677
MINIMUM X	-1.263	-1.097	-.929
MAXIMUM Y	1.189	1.292	1.194
MINIMUM Y	-1.120	-1.017	-1.115
CENTROID X	.070	-.096	-.264
CENTROID Y	-.044	-.147	-.049
POA TO CENTROID in.	.082	.175	.269
MIN RADIUS	.386	.309	.285
MEAN RADIUS	1.121	1.022	.929
MAX RADIUS	1.754	1.601	1.734
HORIZONTAL SPREAD	2.751	2.606	2.606
VERTICAL SPREAD	2.309	2.309	2.309
EXTREME SPREAD	3.166	2.818	2.818
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611454

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 1.906

VS = 3.422

GS = 3.761

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.124	1.037	1.123
MINIMUM X	:	-.782	-.816	-.730
MAXIMUM Y	:	2.355	.879	.778
MINIMUM Y	:	-1.067	-.805	-.781
CENTROID X	:	-.114	-.027	-.113
CENTROID Y	:	.319	.057	.158
POA TO CENTROID in.	:	.339	.063	.194
MIN RADIUS	:	.330	.419	.482
MEAN RADIUS	:	.990	.802	.756
MAX RADIUS	:	2.482	1.137	1.181
HORIZONTAL SPREAD	:	1.906	1.853	1.853
VERTICAL SPREAD	:	3.422	1.684	1.559
EXTREME SPREAD	:	3.761	2.055	2.055
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11454

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.066

VS= 1.998

GS= 2.571

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.937	.811	.777
MINIMUM X	:	-1.129	-1.013	-.911
MAXIMUM Y	:	1.124	1.045	1.137
MINIMUM Y	:	-.874	-.953	-.861
CENTROID X	:	.156	.282	.180
CENTROID Y	:	.094	.173	.081
POA TO CENTROID in.	:	.182	.331	.198
MIN RADIUS	:	.409	.337	.420
MEAN RADIUS	:	.921	.860	.831
MAX RADIUS	:	1.336	1.098	1.141
HORIZONTAL SPREAD	:	2.066	1.824	1.688
VERTICAL SPREAD	:	1.998	1.998	1.998
EXTREME SPREAD	:	2.571	2.123	2.123
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611454

22 May 1991

CENTROIDAL DISTANCES

Q TO	1	.0699214
1 TO	2	.282209
1 TO	3	.379191
1 TO	4	.180701
1 TO	5	.15373

X TO Y FOR

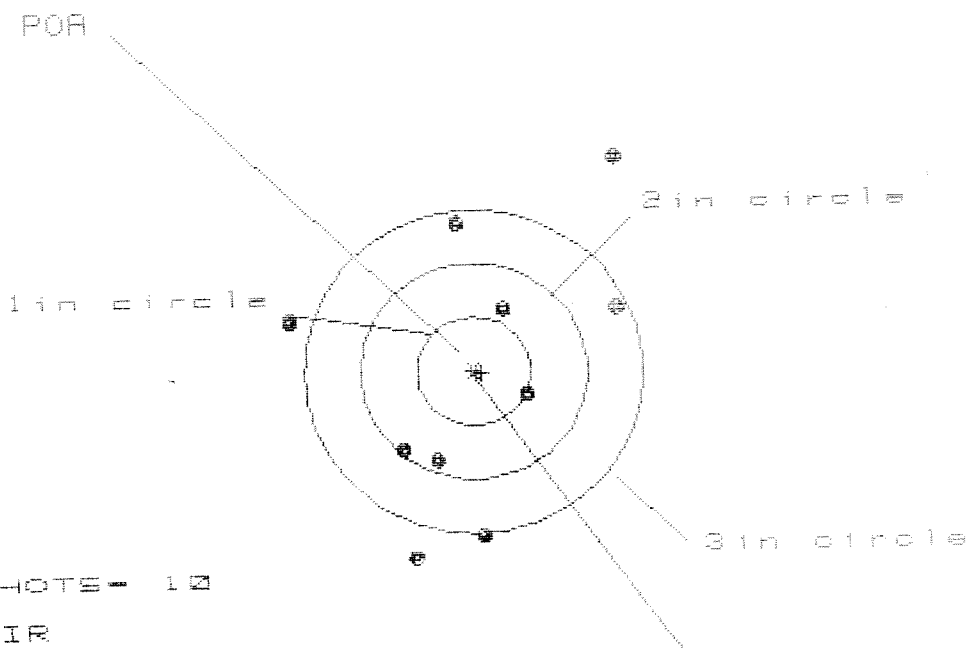
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1284
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0318
THE RESULTING AVERAGE FOI RADIUS FOR THIS RIFLE IS: .124529
THE AMR FOR THIS RIFLE IS: 1.177

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454.1

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 6

HS = 2.941

VS = 3.763

GS = 4.152

CENTROID #

PATTERN #

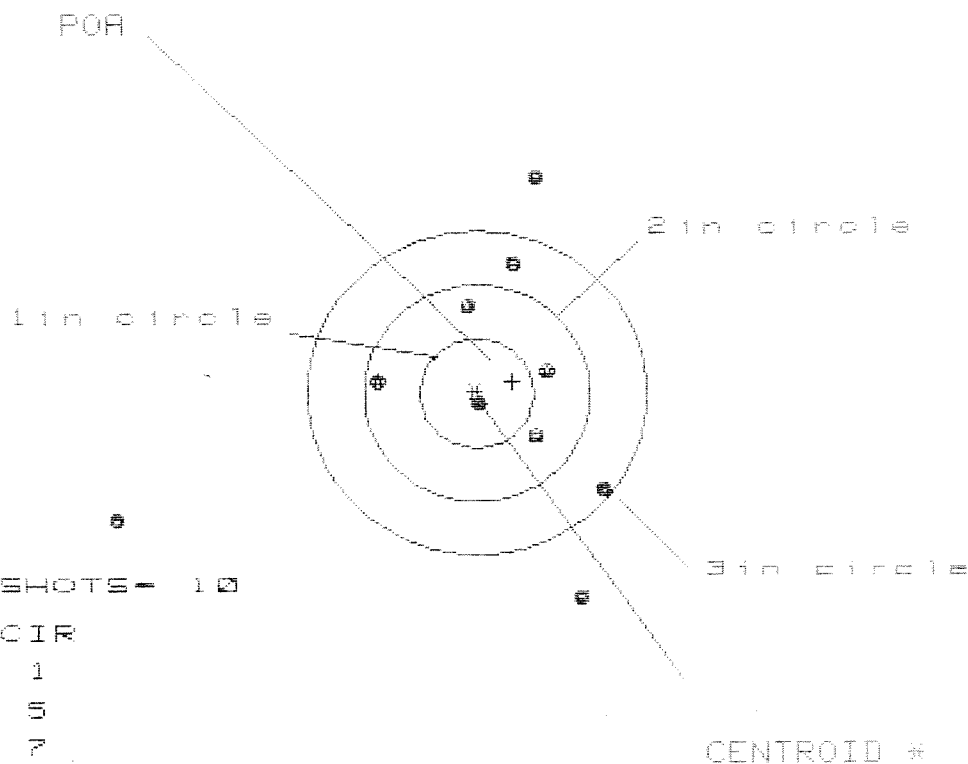
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SHOTS (BEST OF)		10	9	8
MAXIMUM	X	1.284	1.425	1.381
MINIMUM	X	-1.657	-1.516	-1.560
MAXIMUM	Y	2.026	1.566	1.377
MINIMUM	Y	-1.737	-1.512	-1.517
CENTROID	X	-.067	-.208	-.164
CENTROID	Y	.020	-.205	-.016
POA TO CENTROID	in.	.070	.292	.165
MIN RADIUS		.520	.598	.593
MEAN RADIUS		1.327	1.181	1.136
MAX RADIUS		2.388	1.675	1.646
HORIZONTAL	SPREAD	2.941	2.941	2.941
VERTICAL	SPREAD	3.763	3.078	2.894
EXTREME	SPREAD	4.152	3.095	2.943
NUMBER IN ONE	INCH CIRCLE =		0	
NUMBER IN TWO	INCH CIRCLE =		4	
NUMBER IN THREE	INCH CIRCLE =		6	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11454.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 4.286

VS = 3.841

GS = 4.899

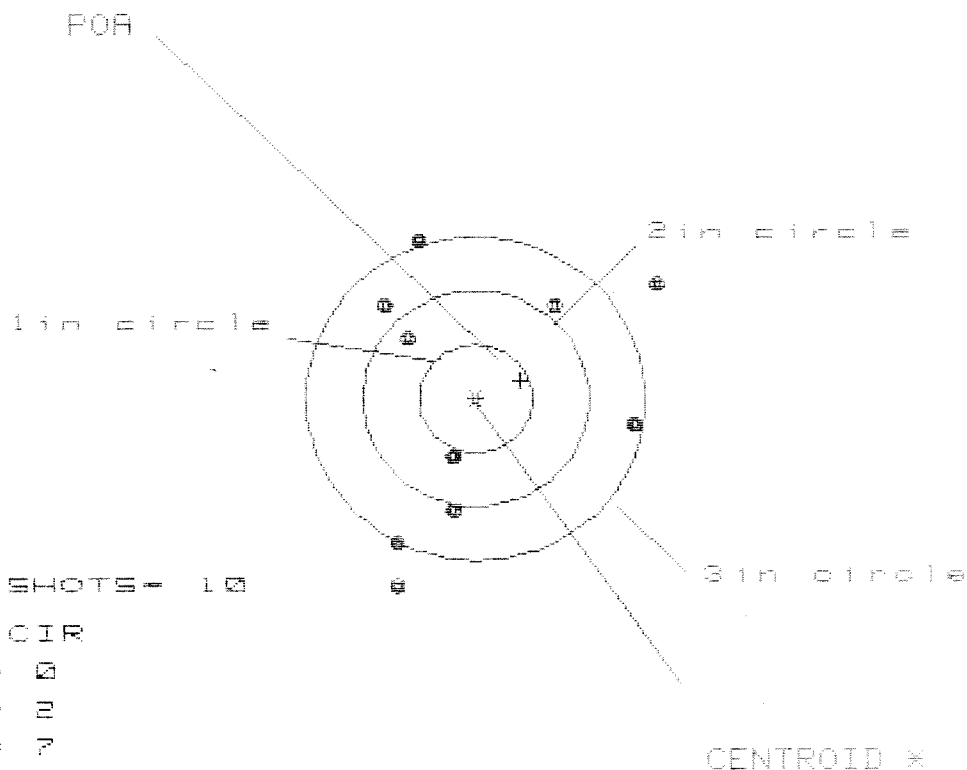
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.113	.760	.825
MINIMUM X	:	-3.173	-1.204	-1.139
MAXIMUM Y	:	1.976	1.842	1.592
MINIMUM Y	:	-1.865	-1.999	-1.233
CENTROID X	:	-.318	.035	-.030
CENTROID Y	:	-.109	.025	.275
POA TO CENTROID in.	:	.336	.043	.277
MIN RADIUS	:	.090	.298	.403
MEAN RADIUS	:	1.326	1.048	.919
MAX RADIUS	:	3.394	2.066	1.614
HORIZONTAL SPREAD	:	4.286	1.964	1.964
VERTICAL SPREAD	:	3.841	3.841	2.825
EXTREME SPREAD	:	4.899	3.854	2.880
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611454.1

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 2

3 in = 7

HS = 2.379

VS = 3.197

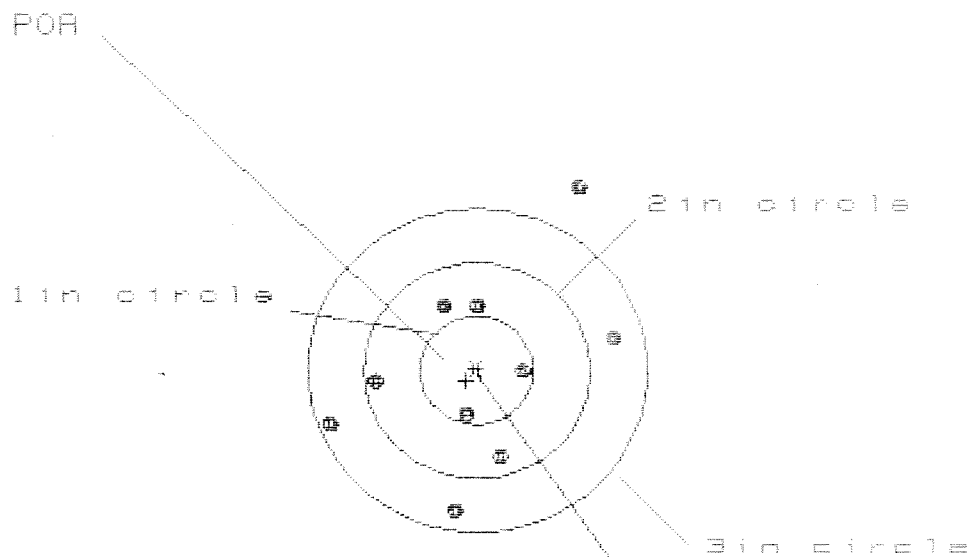
GS = 3.661

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.627	1.534	1.471
MINIMUM X	:	-0.752	-0.572	-0.635
MAXIMUM Y	:	1.448	1.569	1.365
MINIMUM Y	:	-1.749	-1.628	-1.371
CENTROID X	:	-0.398	-0.578	-0.515
CENTROID Y	:	-0.165	-0.286	-0.082
POA TO CENTROID in.	:	.431	.645	.522
MIN RADIUS	:	.568	.427	.631
MEAN RADIUS	:	1.286	1.185	1.116
MAX RADIUS	:	1.957	1.705	1.510
HORIZONTAL SPREAD	:	2.379	2.106	2.106
VERTICAL SPREAD	:	3.197	3.197	2.737
EXTREME SPREAD	:	3.661	3.201	2.741
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611454.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.500

VS= 3.093

GS= 3.311

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.248	1.353	1.335
MINIMUM X	:	-1.252	-1.147	-1.165
MAXIMUM Y	:	1.748	.836	.692
MINIMUM Y	:	-1.345	-1.151	-.781
CENTROID X	:	.096	-.009	.009
CENTROID Y	:	.098	-.096	.048
POA TO CENTROID in.	:	.137	.096	.049
MIN RADIUS	:	.424	.223	.367
MEAN RADIUS	:	.994	.863	.821
MAX RADIUS	:	1.984	1.437	1.378
HORIZONTAL SPREAD	:	2.500	2.500	2.500
VERTICAL SPREAD	:	3.093	1.987	1.473
EXTREME SPREAD	:	3.311	2.635	2.635
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06B11454.1

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 9

HS= 2.389

VS= 1.935

GS= 2.459

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.986	.741	.617
MINIMUM X	-1.483	-.981	-.888
MAXIMUM Y	1.031	1.004	.898
MINIMUM Y	-.984	-.931	-1.037
CENTROID X	.085	.250	.157
CENTROID Y	-.003	.024	.130
POA TO CENTROID in.	.085	.251	.204
MIN RADIUS	.157	.240	.297
MEAN RADIUS	.954	.870	.849
MAX RADIUS	1.503	1.305	1.163
HORIZONTAL SPREAD	2.389	1.722	1.505
VERTICAL SPREAD	1.935	1.935	1.935
EXTREME SPREAD	2.459	2.434	2.236
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 9		