

C6225147

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

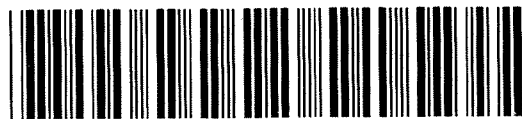
*Includes 1 in chamber.



Serial
Number:

C6225147

Model: 700



RE00030641

Des. No.
Number: C6225147

Model: 700



RE00030641

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225147
28 Aug 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1254
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0838
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150823

THE AMR FOR THIS RIFLE IS: 1.038

CENTROIDAL DISTANCES

0 TO 1	.203214
1 TO 2	.396295
1 TO 3	.586986
1 TO 4	.382744
1 TO 5	.0685055

5
+ 4 2 3<----POA

REMINGTON CENTERFIRE ACCURACY TEST

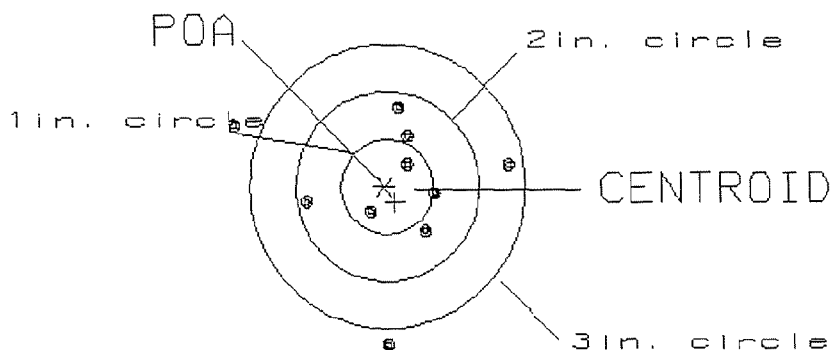
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .203
 MIN RADIUS : .289
 MEAN RADIUS : .870
 MAX RADIUS : 1.777
 CENTROID X : -.120
 CENTROID Y : .164

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225147

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.93

2

VS= 2.46

7

GS= 2.96

8

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .295

MIN RADIUS : .087

MEAN RADIUS : .955

MAX RADIUS : 1.943

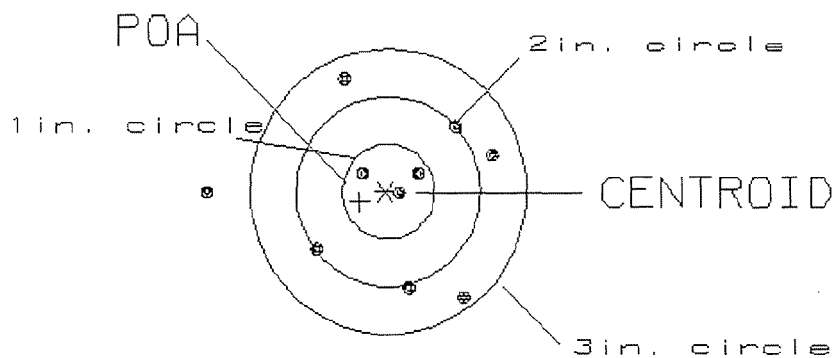
CENTROID X : .273

CENTROID Y : .113

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225147

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.02

3

VS= 2.35

4

GS= 3.05

9

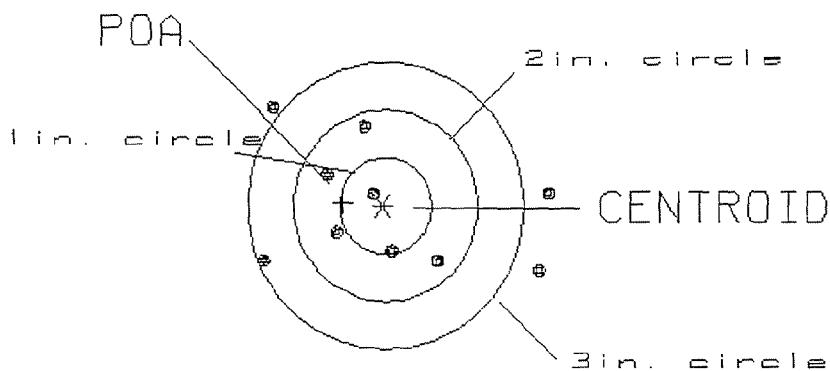
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .435
 MIN RADIUS : .213
 MEAN RADIUS : 1.022
 MAX RADIUS : 1.777
 CENTROID X : .434
 CENTROID Y : -.030

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225147

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.06
 VS= 1.68
 GS= 3.31

2
 6
 7

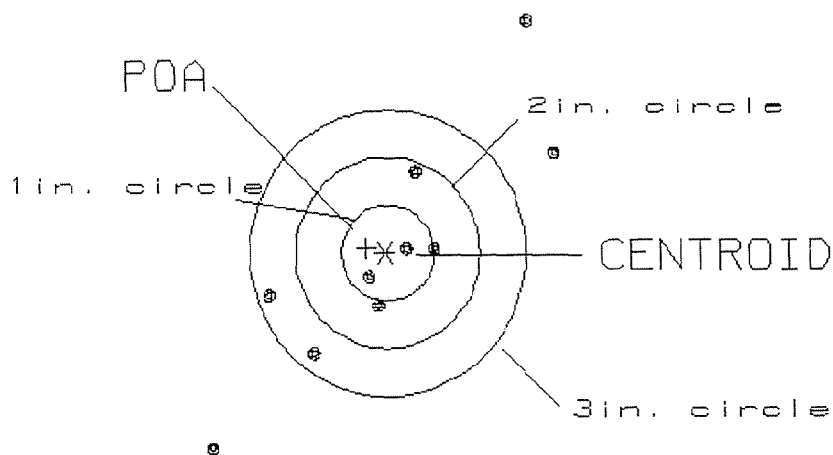
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .204
 MIN RADIUS : .188
 MEAN RADIUS : 1.297
 MAX RADIUS : 2.899
 CENTROID X : .198
 CENTROID Y : -.049

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225147

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.63
 VS= 4.54
 GS= 5.68

2
 5
 7

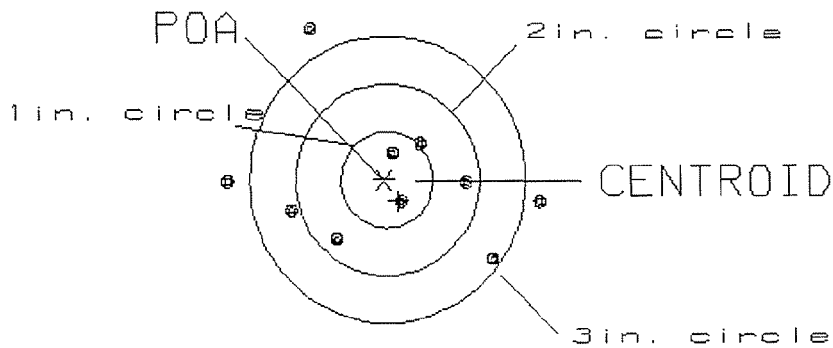
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .271
 MIN RADIUS : .245
 MEAN RADIUS : 1.044
 MAX RADIUS : 1.849
 CENTROID X : -.158
 CENTROID Y : .221

28 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225147

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.37
 VS= 2.47
 GS= 3.38

2
 5
 7

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 30641			
SERIAL NUMBER C6225147			
LOG-IN DATE 8/9/01			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8/21/01	RH
560 A	RE-BARREL AT CUSTOM SHOP	8/21/01	BWT
B	DRILL AND TAP	8/21/01	BWT
C	POLISH	8/22/01	GD
575	ASSEMBLE	8-22-01	RH
600	PROOF	8-22-01	RW
605	CHECK HEADSPACE	8-22-01	RW
610	DIS-ASSEMBLE GUN	8-22-01	RW
612	MAGNAFLUX	8-23-01	NRD
615	ROLLMARK CALIBER	8-22-01	RW
618	ROTO-BLAST	8/23	
620	APPLY COATINGS	8-24-01	TA
625 A	FINAL ASSEMBLY	8-27-01	RH
B	TRIGGER PULL TEST	8-28-01	RH
C	SAFETY "ON" FORCE	8-28-01	RH
D	SAFETY "OFF" FORCE	8-28-01	RH
E	FIRING PIN INDENT	8-28-01	RH
640	TARGET	8/28/01	AC
655	FINAL INSPECT	8-29-01	RH
660	PACK	8-30-01	NA
MAGNA - FLUX INSPECTED AUG 23 2001 OPERATOR <u>NRD</u>		SHIP DATE	
QAR INSPECTION DATE			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225147
DATE 8/27/01
TESTER RR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	236	2.35	257		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	237	2.56	2.49		
PULL #3	242	2.50	2.56		
PULL #4	2.34	2.53	2.48		
PULL #5	2.40	2.54	2.54		
TOTAL	11.89	12.48	12.64		
AVG.	237	2.49	2.52		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.11		
PULL #2	3.11	3.13		
PULL #3	3.13	3.17		
PULL #4	3.10	3.02		
PULL #5	3.08	3.14		
TOTAL	15.59	15.57		
AVG.	3.11	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.26		4.20
PULL #2	4.13	4.32		4.08
PULL #3	4.14	4.34		4.13
PULL #4	4.17	4.36		4.16
PULL #5	4.18	4.35		4.13
TOTAL	20.73	21.63		20.72
AVG.	4.14	4.32		4.14

Final Inspection

IN: C6225147

DATE REC'D: 8-9-01

DATE RET'D: 9-6-01

EDITOR: BFK

Item:

BARREL ASSY.

☒ BARREL☒ RECEIVER☒ FRONT SIGHT BLOCK☒ REAR SIGHT BLOCK☒ SCREWS☒ FINISH

SCOPE ASSY.

☒ SCOPE☒ SCOPE RINGS☒ MOUNTING SCREWS☒ MOUNTING BASE☒ SCREWS☒ FINISH☒ LOOSENESS☒ CLARITY

MISC.

☒ DD-250☒ BAR CODE☒ PACKAGING

Item:

STOCK ASSY.

☒ STOCK☒ SLING SWIVEL STUDS☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

SYSTEMS CASE

☒ SCOPE CASE☒ IRON SIGHTS☒ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION☒ SET

Comments: _____

Remington®

MODEL 700™ H24

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

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

DUPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6225147

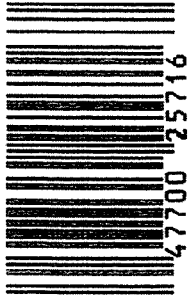
ORDER NO.
5716

01



5716 C6225147

UPC



047700257167

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225147

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 4	89	RW
600	Proof	4 4	89	RW
607	Check Headspace	4 4	89	RW
610	Dis-assemble Gun	4 4	89	RW
612	Magnaflux Barrel Action	4-6	89	KCR
	Magnaflux Bolt	4-7	89	KCR
615	Rollmark Caliber	4-7	89	G.S.
617	Drill and Tap Sight Holes	4 7	89	F.B.
618	Polish Barrel	4 7	89	BT
620	Apply Coatings (Barrel Action)		4-19-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/24/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/24/89	RW
	C) Inspect Ejector Hole for Chamfer		4/24/89	RW
	D) Oil Firing Pin Ass'y		4/24/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/28/89	W.B.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.75	4.5	4.75			4/28/89	WB
	G) Safety Off Force	3.0	3.0	3.0			4/28/89	WB
	H) Trigger Pull Test & Retainability						4/28/89	WB
	I) Firing Pin Indent	.0205	.021	.0205			4/28/89	WB
	J) Assemble Stock						4/28/89	RW
	K) Assemble Swivel Studs						16 May 89	RS
	L) Attach Front and Rear Sight Assemblies						4/28/89	RW
	M) Iron Sight Alignment						4/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/28/89	RW
	O) Attach Scope to Rifle						4/28/89	WB
	P) Detach & Attach Scope 20 Times						4/28/89	WB
640	Gallery Target & Test	45	R	1076			4/28/89	DA
	A) Time						4/28/89	DA
	B) Malfunctions						4/28/89	DA
	C) Pierced Primers						4/28/89	DA
	D) Optical Clarity of Scope						4/28/89	DA
645	Inspect for Live Ammo						4/28/89	DA
655	Final Inspection							
	A) Headspace						16 May 89	RS
	B) Trigger Pull	2.43	2.42	2.39	2.41	2.46	16 May 89	RS
	C) Function						16 May 89	RS
660	Pack						2 June 89	RS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C 6725147

DATE 4/28/89

TESTER W.B

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.72	2.37	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.73	2.42	2.42	
PULL #3	2.47	2.37	2.39	2.39	
PULL #4	2.46	2.57	2.56	2.41	
PULL #5	2.43	2.37	2.45	2.46	
TOTAL	12.27	11.76	12.19	12.11	
AVG.	2.45	2.37	2.44	2.422	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.27		
PULL #2	3.23	3.15		
PULL #3	3.27	3.35		
PULL #4	3.07	3.26		
PULL #5	3.13	3.45		
TOTAL	16.01	16.48		
AVG.	3.20	3.30		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.32		4.41
PULL #2	4.13	4.12		4.39
PULL #3	4.13	4.11		4.40
PULL #4	4.12	4.33		4.41
PULL #5	4.23	4.42		4.53
TOTAL	21.04	21.30		22.16
AVG.	4.21	4.26		4.43

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225147
1 May 1989

CENTROIDAL DISTANCES

0 TO	1	.586758
1 TO	2	.228668
1 TO	3	.25686
1 TO	4	.37864
1 TO	5	.0123693

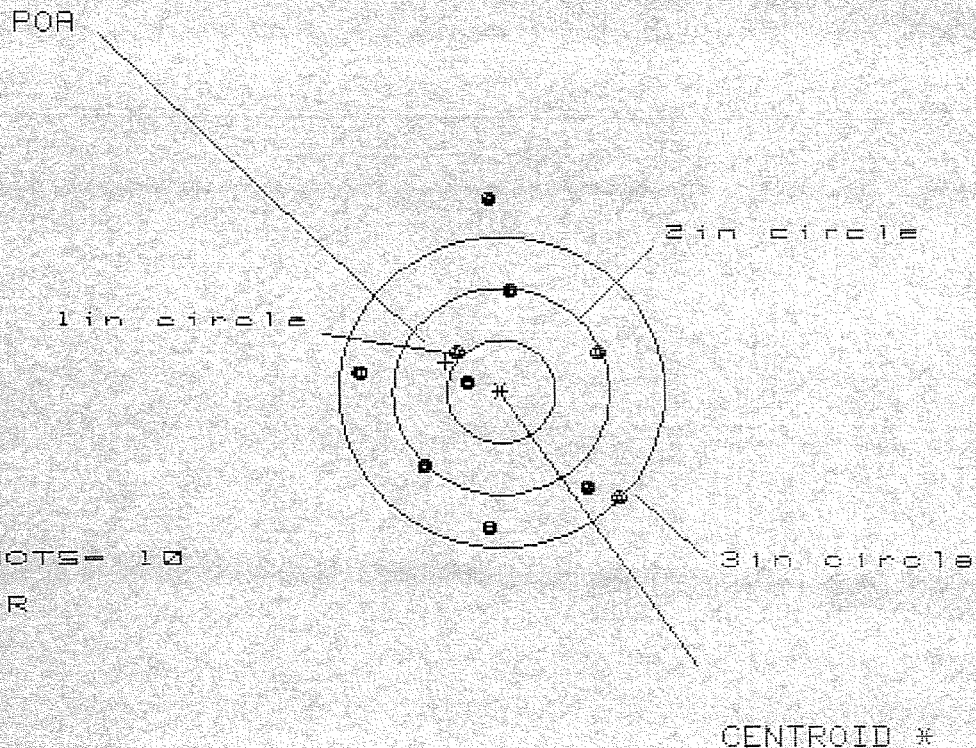
$t_{1/2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3512
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .421131
THE AMR FOR THIS RIFLE IS: 1.139

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225147

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.371

VS= 3.134

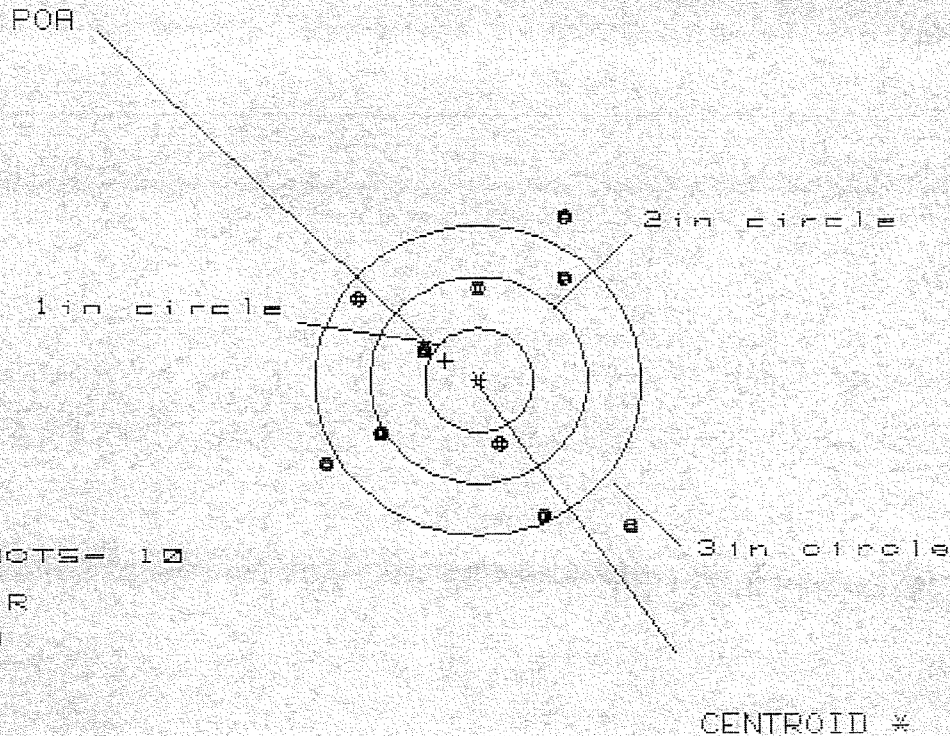
GS= 3.135

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.082	1.067	1.050
MINIMUM X	:	-1.289	-1.304	-1.170
MAXIMUM Y	:	1.847	1.142	1.043
MINIMUM Y	:	-1.286	-1.081	-1.179
CENTROID X	:	.514	.529	.395
CENTROID Y	:	-.283	-.488	-.389
POA TO CENTROID in.	:	.586	.719	.555
MIN RADIUS	:	.346	.461	.296
MEAN RADIUS	:	1.088	1.003	.930
MAX RADIUS	:	1.852	1.357	1.203
HORIZONTAL SPREAD	:	2.371	2.371	2.220
VERTICAL SPREAD	:	3.134	2.223	2.223
EXTREME SPREAD	:	3.135	2.640	2.291
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225147

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HS= 2.723

VS= 3.012

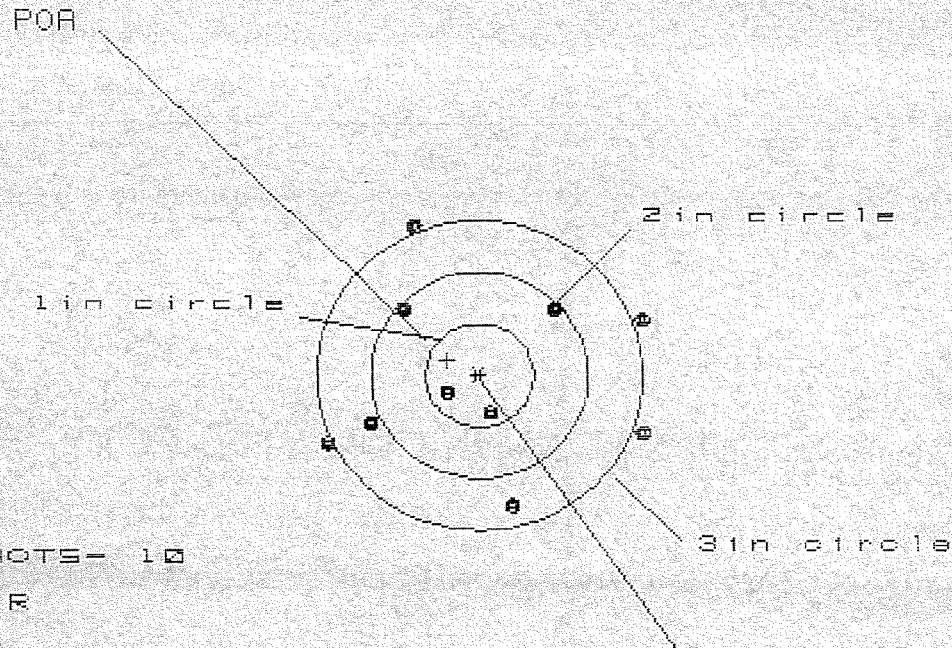
GS= 3.339

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.366	.988	1.110
MINIMUM X	-1.357	-1.205	-1.093
MAXIMUM Y	1.572	1.412	1.036
MINIMUM Y	-1.440	-1.520	-1.344
CENTROID X	.306	.154	.032
CENTROID Y	-.188	-.028	-.204
POA TO CENTROID in.	.359	.156	.207
MIN RADIUS	.605	.394	.418
MEAN RADIUS	1.269	1.157	1.071
MAX RADIUS	1.985	1.715	1.606
HORIZONTAL SPREAD	2.723	2.193	2.193
VERTICAL SPREAD	3.012	2.932	2.380
EXTREME SPREAD	3.339	3.233	2.861
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225147

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS= 2.916

VS= 2.738

GS= 3.154

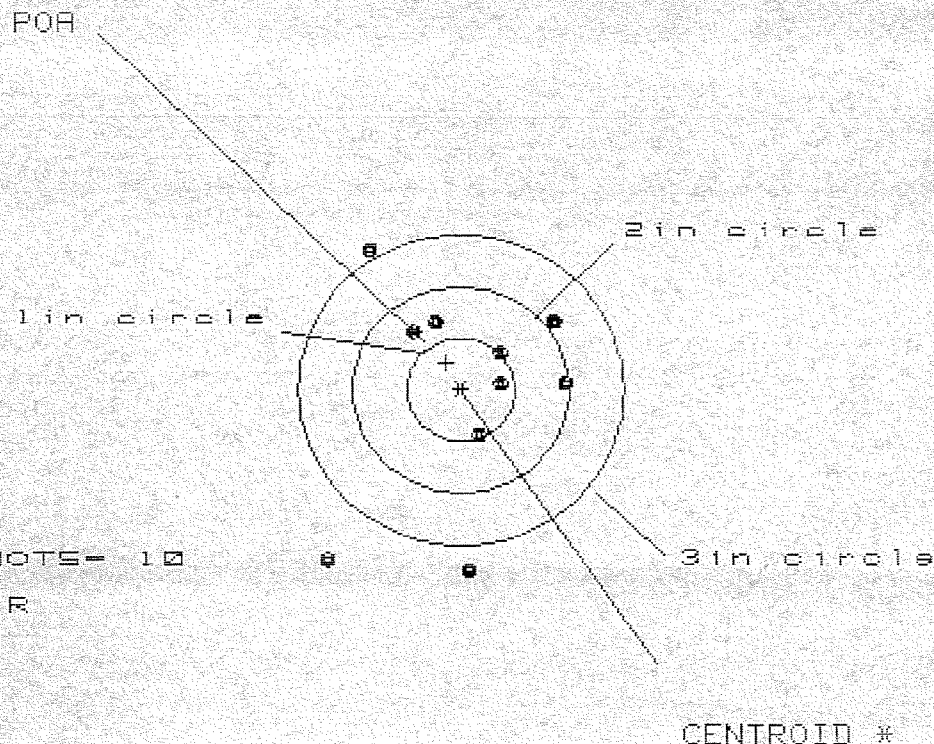
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.506	1.661	1.604
MINIMUM X	:	-1.410	-1.243	-1.300
MAXIMUM Y	:	1.487	1.553	.902
MINIMUM Y	:	-1.251	-1.185	-.991
CENTROID X	:	.298	.131	.188
CENTROID Y	:	-.144	-.210	-.404
POA TO CENTROID in.	:	.331	.247	.445
MIN RADIUS	:	.323	.143	.206
MEAN RADIUS	:	1.136	1.049	.964
MAX RADIUS	:	1.619	1.726	1.627
HORIZONTAL SPREAD	:	2.916	2.904	2.904
VERTICAL SPREAD	:	2.738	2.738	1.893
EXTREME SPREAD	:	3.154	2.931	2.965
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225147

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS= 2.195

VS= 3.126

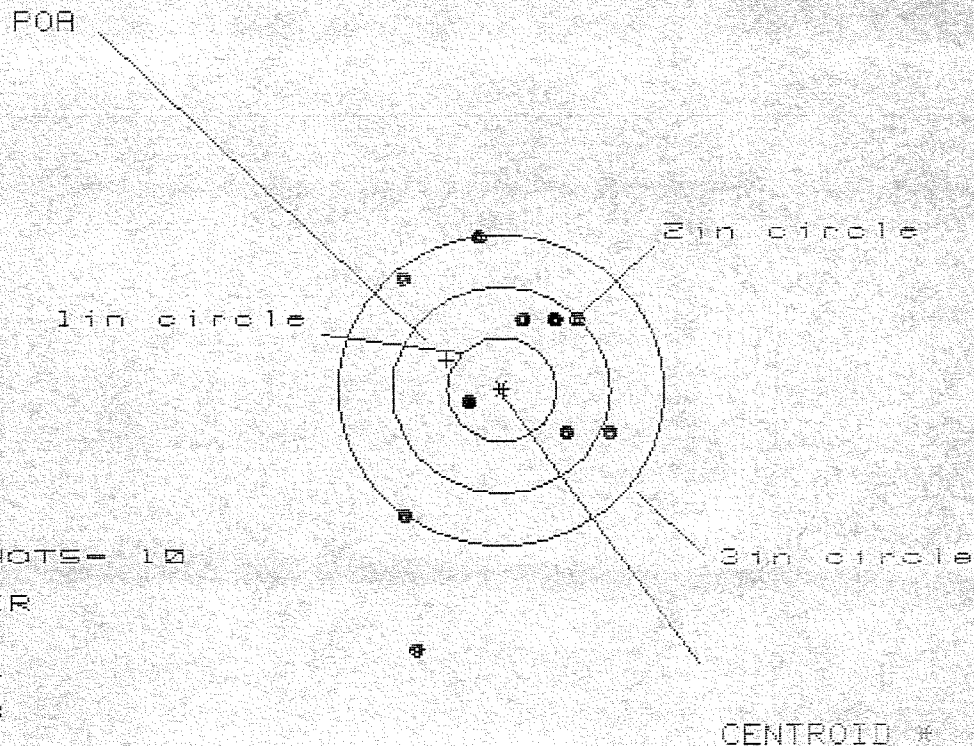
GS= 3.273

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.964	.827	.822
MINIMUM X	:	-1.232	-1.004	-1.009
MAXIMUM Y	:	1.383	1.201	.960
MINIMUM Y	:	-1.743	-1.925	-.843
CENTROID X	:	.136	.272	.277
CENTROID Y	:	-.261	-.079	.162
POA TO CENTROID in.	:	.294	.283	.321
MIN RADIUS	:	.391	.297	.191
MEAN RADIUS	:	1.027	.855	.699
MAX RADIUS	:	2.053	1.926	1.392
HORIZONTAL SPREAD	:	2.195	1.831	1.831
VERTICAL SPREAD	:	3.126	3.126	1.803
EXTREME SPREAD	:	3.273	3.273	2.234
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

28 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225147

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 1.057

VS= 4.022

GS= 4.060

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.973	.889	.851
MINIMUM X	:	-.894	-.978	-1.016
MAXIMUM Y	:	1.534	1.257	.946
MINIMUM Y	:	-2.488	-1.454	-1.297
CENTROID X	:	.502	.586	.624
CENTROID Y	:	-.286	-.009	-.166
POA TO CENTROID in.	:	.577	.587	.645
MIN RADIUS	:	.375	.405	.538
MEAN RADIUS	:	1.177	.966	.925
MAX RADIUS	:	2.603	1.739	1.632
HORIZONTAL SPREAD	:	1.867	1.867	1.867
VERTICAL SPREAD	:	4.022	2.711	2.243
EXTREME SPREAD	:	4.060	2.789	2.491
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	