

C6225354

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Serial Number: C6225354
Model: 700



RE0003250 1

BARBER - M24 0013498

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225354
5 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.098
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0894
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .132651

THE AMR FOR THIS RIFLE IS: 1.058

CENTROIDAL DISTANCES

0 TO	1	.598856
1 TO	2	.221551
1 TO	3	.924589
1 TO	4	.473241
1 TO	5	.908853

1 2 4+ 5 <----POA

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .599

MIN RADIUS : .179

MEAN RADIUS : 1.155

MAX RADIUS : 2.771

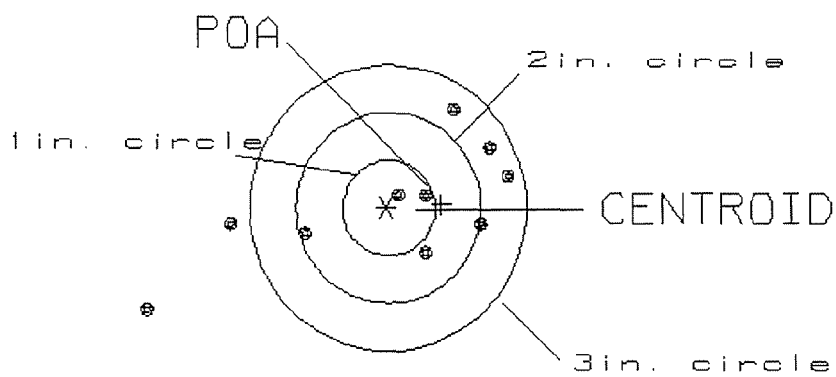
CENTROID X : -.598

CENTROID Y : -.032

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225354

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.89

2

VS= 2.06

4

GS= 4.13

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

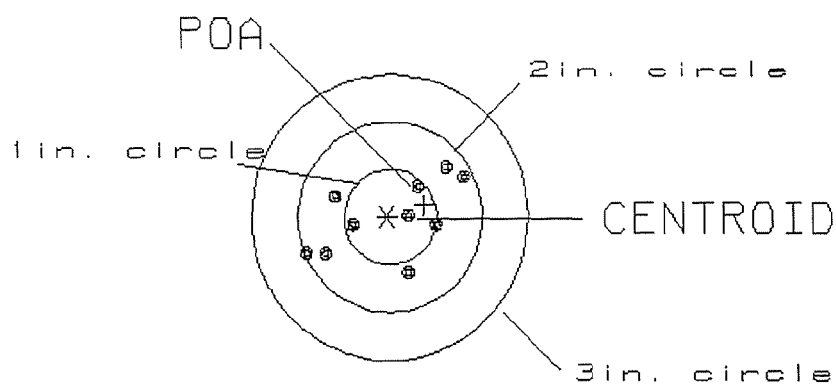
PATTERN #: 2

POA TO CENTROID: .415
MIN RADIUS : .162
MEAN RADIUS : .628
MAX RADIUS : .973
CENTROID X : -.396
CENTROID Y : -.123

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225354

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.71
VS= 1.12
GS= 1.89

3
10
10

REMINGTON CENTERFIRE ACCURACY TEST

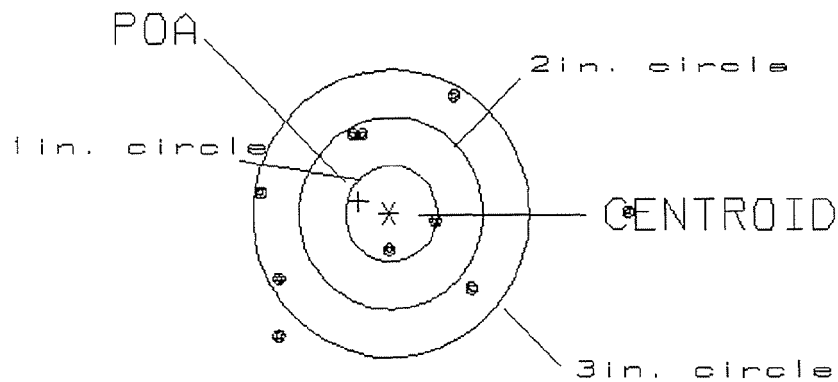
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .345
 MIN RADIUS : .420
 MEAN RADIUS : 1.263
 MAX RADIUS : 2.618
 CENTROID X : .322
 CENTROID Y : -.124

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225354

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.05
 VS= 2.48
 GS= 4.09

1
 4
 5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

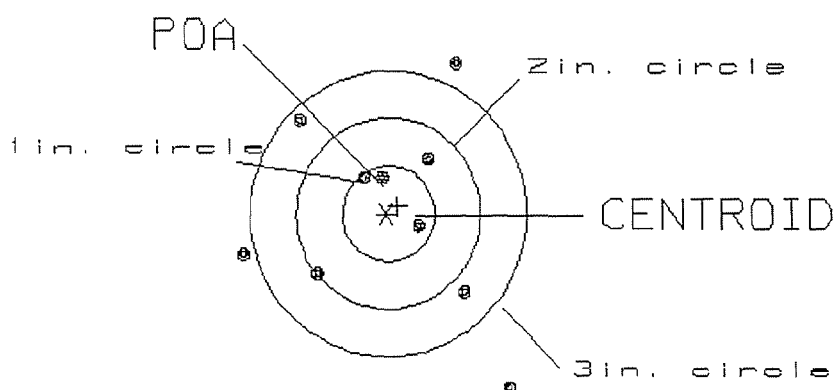
PATTERN #: 4

POA TO CENTROID: .149
 MIN RADIUS : .397
 MEAN RADIUS : 1.123
 MAX RADIUS : 2.261
 CENTROID X : -.127
 CENTROID Y : -.078

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225354

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.92
 VS= 3.43
 GS= 3.62

3
 5
 7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .322

MIN RADIUS : .634

MEAN RADIUS : 1.122

MAX RADIUS : 1.662

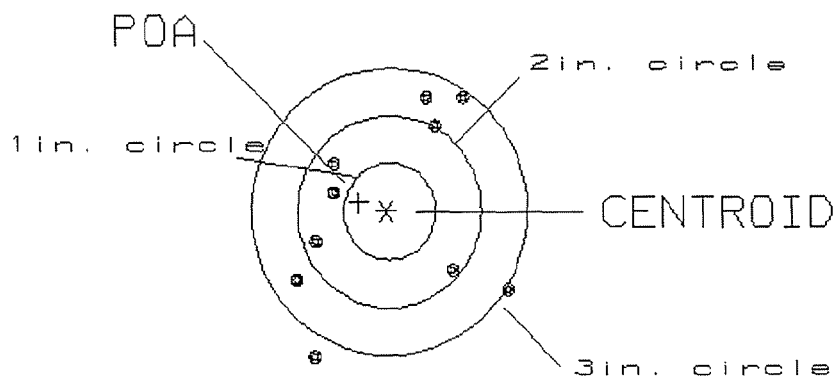
CENTROID X : .309

CENTROID Y : -.090

5 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225354

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.33

0

VS= 2.62

4

GS= 3.06

8

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

R & E NUMBER

00032501

SERIAL NUMBER

C-~~62~~ 6225354

LOG-IN DATE

9/13/01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/18/01	AA
560 A	RE-BARREL AT CUSTOM SHOP	9/20/01	BWT
B	DRILL AND TAP	9/20/01	BWT
C	POLISH	9-20-01	GP
575	ASSEMBLE	9-20-01	RTR
600	PROOF	9-20-01	RW
605	CHECK HEADSPACE	INSPECTED	RTH
610	DIS-ASSEMBLE GUN	SEP 24 2001	RTH
612	MAGNAFLUX	OPERATOR <u>AL</u>	
615	ROLLMARK CALIBER	9-24-01	RTH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HP
625 A	FINAL ASSEMBLY	10-3-01	RTH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/4/01	RW
655	FINAL INSPECT	10-6-01	RTH
660	PACK	10-6-01	RTH
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

In: 06225354

DATE REC'D: 9-13-01

DATE RET'D: 10-9-01

EDITOR: Kth

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

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

Misc.

☒ DD-250☒ BAR CODE☒ PACKAGING

Comments: _____

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

MODEL 700™ M24

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

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

SERIAL NO.
 C6225354

ORDER NO.
 5716

UPC

0 47700 25716 7

20

5716 C6225354

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225354

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12/22/88	Pfc.
	Magnaflux Bolt		1-3-89	Pfc.
615	Rollmark Caliber		12/22/88	MAC.
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	WJ
620	Apply Coatings (Barrel Action)		1-18-89	X/A
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/3/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/3/89	RW
	C) Inspect Ejector Hole for Chamfer		2/3/89	RW
	D) Oil Firing Pin Ass'y		2/3/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/2/89	PS

op. #	BARBER - M24 0013508 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			6/26/89	JS
	G) Safety Off Force	4	4	4			6/26/89	JS
	H) Trigger Pull Test & Retainability						6/26/89	JS
	I) Firing Pin Indent	.0225	.0225	.0225			6/26/89	JS
	J) Assemble Stock						2/14/89	RW
	K) Assemble Swivel Studs						17/26/89	JS
	L) Attach Front and Rear Sight Assemblies						2/14/89	RW
	M) Iron Sight Alignment						2/14/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/14/89	RW
	O) Attach Scope to Rifle						15/26/89	JS
	P) Detach & Attach Scope 20 Times						15/26/89	JS
640	Gallery Target & Test	63 R	90 L				2/16/89	A
	A) Time						"	K
	B) Malfunctions			NONE			"	K
	C) Pierced Primers			NONE			"	K
	D) Optical Clarity of Scope			OK			2/16/89	A
645	Inspect for Live Ammo			NONE			2/16/89	A
655	Final Inspection							
	A) Headspace						17/26/89	JS
	B) Trigger Pull	2.22	2.27	2.21	2.30	2.31	17/26/89	JS
	C) Function						17/26/89	JS
660	Pack						3/22	WJS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5354
C16348880

DATE 27 Sept 89

TESTER gds

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.35	2.19	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.47	2.19	2.55	
PULL #3	2.21	2.46	2.12	2.58	
PULL #4	2.29	2.27	2.19	2.61	
PULL #5	2.28	2.41	2.11	2.58	
TOTAL	11.38	11.96	10.80	12.76	
AVG.	2.276	2.392	2.16	2.552	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.24		
PULL #2	2.94	3.02		
PULL #3	3.11	3.07		
PULL #4	3.07	3.26		
PULL #5	2.96	2.97		
TOTAL	15.24	15.56		
AVG.	3.048	3.112		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	3.86		3.95
PULL #2	4.03	3.87		3.83
PULL #3	3.97	3.87		3.81
PULL #4	3.91	3.85		3.87
PULL #5	4.03	3.95		3.98
TOTAL	20.29	19.40		19.44
AVG.	4.058	3.88		3.88

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225354
17 Feb 1989

CENTROIDAL DISTANCES

0 TO	1	.28493
1 TO	2	.520465
1 TO	3	.470771
1 TO	4	.495149
1 TO	5	.792748

3 + ⁵/₂ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1984
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0682
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .209795
THE AMR FOR THIS RIFLE IS: .8344

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225354

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.699

VS= 2.248

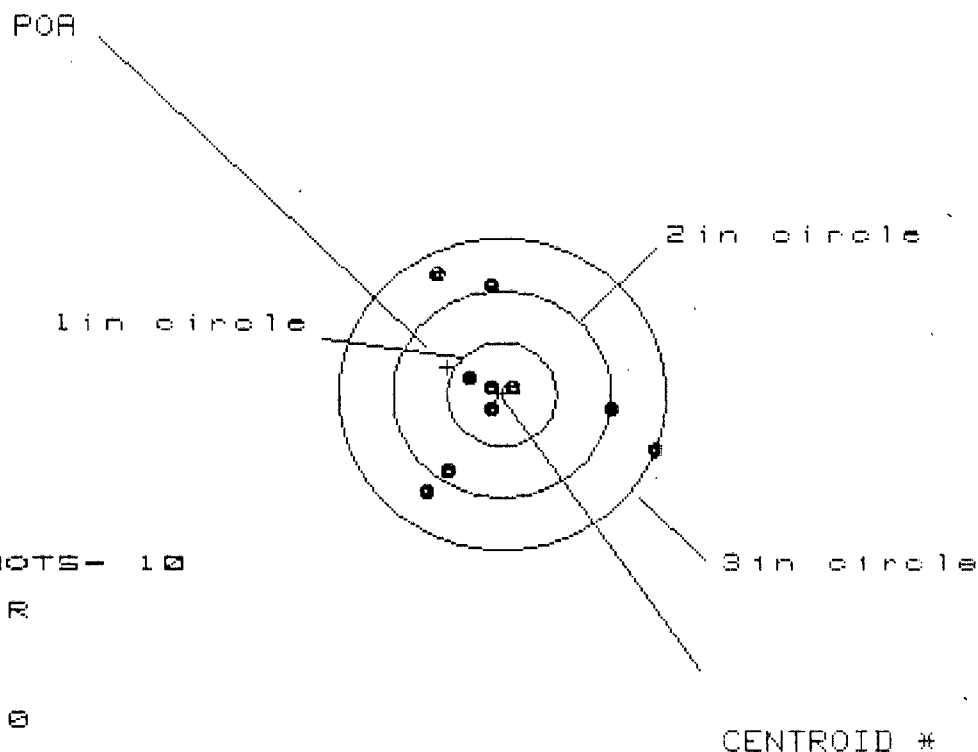
GS= 2.831

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.806	.832	.912
MINIMUM X	:	-.893	-.692	-.612
MAXIMUM Y	:	.944	.953	.791
MINIMUM Y	:	-1.304	-1.295	-.554
CENTROID X	:	-.023	-.224	-.304
CENTROID Y	:	-.284	-.294	-.132
POA TO CENTROID in.	:	.285	.370	.332
MIN RADIUS	:	.113	.142	.189
MEAN RADIUS	:	.820	.693	.595
MAX RADIUS	:	1.808	1.446	1.000
HORIZONTAL SPREAD	:	2.699	1.524	1.524
VERTICAL SPREAD	:	2.248	2.248	1.345
EXTREME SPREAD	:	2.831	2.615	1.940
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225354

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS = 2.081

VS = 2.065

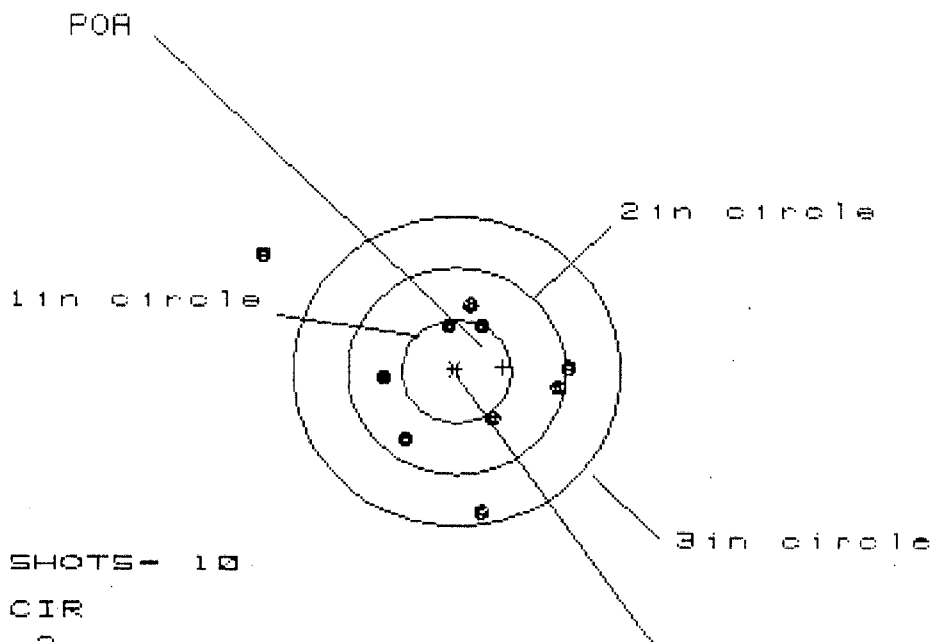
GS = 2.590

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.169	1.108
MINIMUM X	:	-.722	-.571	-.632
MAXIMUM Y	:	1.119	1.060	1.143
MINIMUM Y	:	-.946	-1.005	-.873
CENTROID X	:	.497	.346	.407
CENTROID Y	:	-.262	-.283	-.335
POA TO CENTROID in.	:	.562	.401	.527
MIN RADIUS	:	.103	.015	.041
MEAN RADIUS	:	.764	.670	.604
MAX RADIUS	:	1.461	1.185	1.144
HORIZONTAL SPREAD	:	2.081	1.740	1.740
VERTICAL SPREAD	:	2.065	2.065	2.016
EXTREME SPREAD	:	2.590	2.104	2.104
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225354

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.760

VS= 2.512

GS= 3.213

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.994	.797	.803
MINIMUM X	:	-1.766	-.820	-.814
MAXIMUM Y	:	1.129	.728	.571
MINIMUM Y	:	-1.383	-1.258	-.663
CENTROID X	:	-.428	-.231	-.237
CENTROID Y	:	-.044	-.169	-.012
POA TO CENTROID in.	:	.430	.287	.237
MIN RADIUS	:	.474	.367	.379
MEAN RADIUS	:	.900	.751	.663
MAX RADIUS	:	2.096	1.258	.920
HORIZONTAL SPREAD	:	2.760	1.617	1.617
VERTICAL SPREAD	:	2.512	1.986	1.234
EXTREME SPREAD	:	3.213	1.989	1.621
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225354

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 2.160

VS = 1.512

GS = 2.240

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.972	.840	.896
MINIMUM X	:	-1.188	-.716	-.660
MAXIMUM Y	:	.535	.580	.463
MINIMUM Y	:	-.977	-.932	-.963
CENTROID X	:	.384	.516	.460
CENTROID Y	:	-.002	-.047	.070
POA TO CENTROID in.	:	.384	.518	.465
MIN RADIUS	:	.405	.380	.336
MEAN RADIUS	:	.784	.733	.663
MAX RADIUS	:	1.253	1.034	1.012
HORIZONTAL SPREAD	:	2.160	1.556	1.556
VERTICAL SPREAD	:	1.512	1.512	1.426
EXTREME SPREAD	:	2.240	1.782	1.582
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			10	

17 Feb 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225354

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 3.109

VS= 2.478

GS= 3.453

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.072	1.197	.457
MINIMUM X	-1.037	-.807	-.658
MAXIMUM Y	1.082	1.026	.845
MINIMUM Y	-1.396	-1.452	-.877
CENTROID X	.562	.332	.183
CENTROID Y	.251	.307	.488
POA TO CENTROID in.	.616	.452	.521
MIN RADIUS	.126	.048	.099
MEAN RADIUS	.904	.698	.546
MAX RADIUS	2.132	1.882	1.006
HORIZONTAL SPREAD	3.109	2.004	1.115
VERTICAL SPREAD	2.478	2.478	1.722
EXTREME SPREAD	3.453	3.123	1.827
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		