

C6225354

MODEL 700TM N24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: **C6225354**
Model: **700**



RE00032501

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

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .599

MIN RADIUS : .179

MEAN RADIUS : 1.155

MAX RADIUS : 2.771

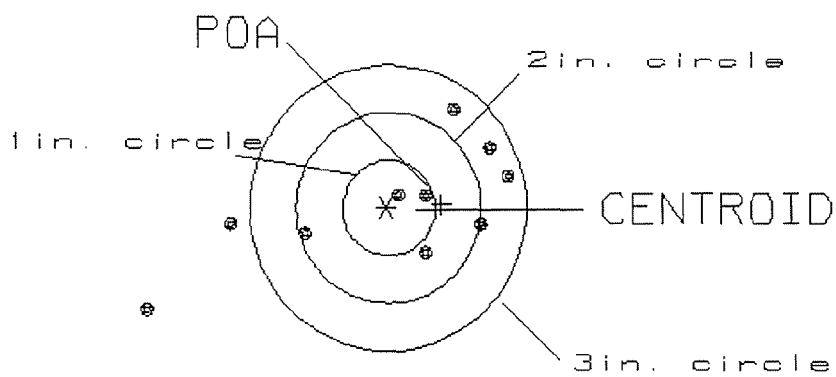
CENTROID X : -.598

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

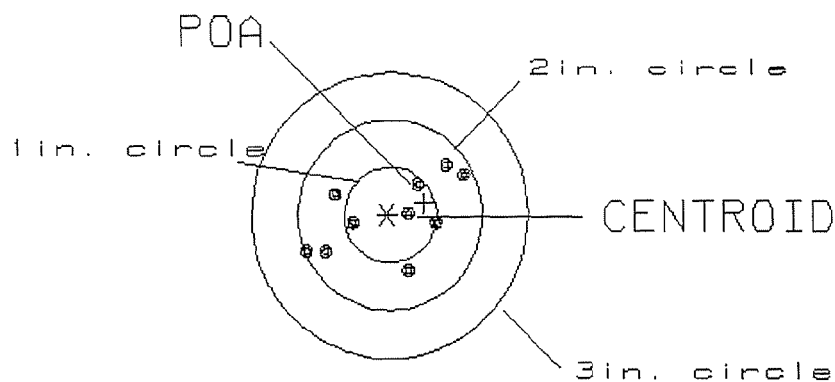
PATTERN #: 2

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

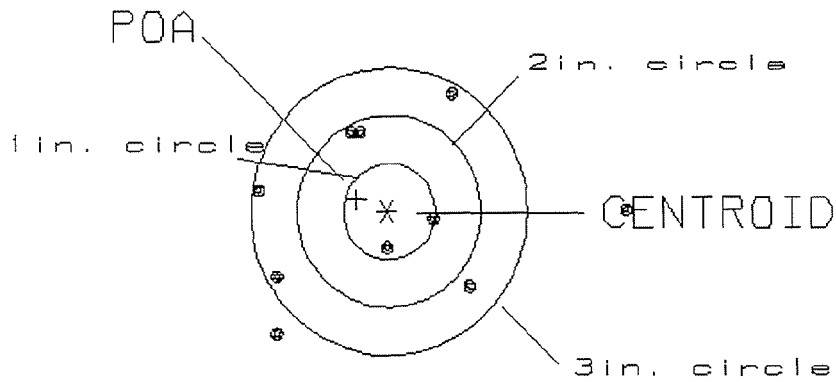
PATTERN #: ☐ 3 ☐

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
 8

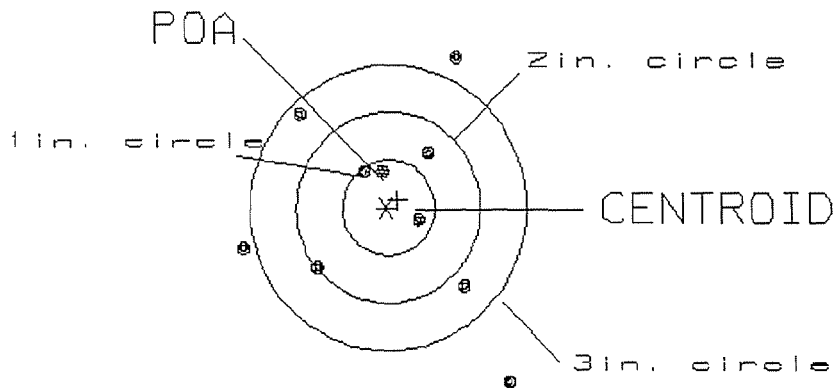
PATTERN #: ☐ 4 ☐

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

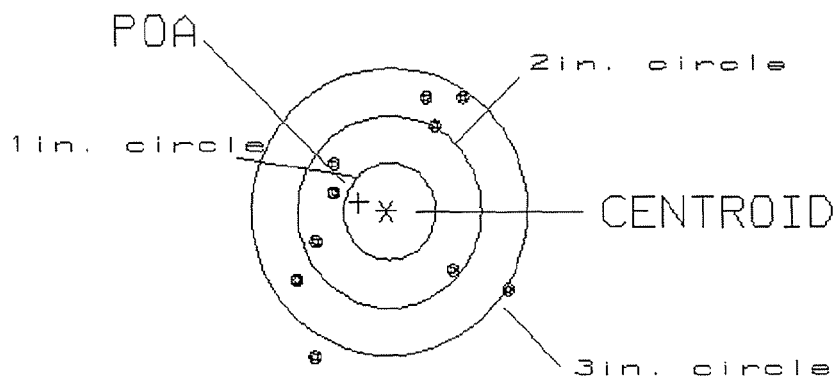
PATTERN #: ☐ 5 ☐

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
 VS= 2.62
 GS= 3.06

0
 4
 6

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

R & E NUMBER 00032501

SERIAL NUMBER C-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	RH
600	PROOF	9-20-01	RH
605	CHECK HEADSPACE	INSPECTED	RH
610	DIS-ASSEMBLE GUN	SEP 24 2001	RH
612	MAGNAFLUX	OPERATOR	RH
615	ROLLMARK CALIBER	9-24-01	RH
618	ROTO-BLAST	9/25	K
620	APPLY COATINGS	9/28	HQ
625 A	FINAL ASSEMBLY	10-3-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10/4/01	RH
655	FINAL INSPECT	10-6-01	RH
660	PACK	10-6-01	RH
		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: _____

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



Remington

MODEL 700™ H24

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

SERIAL NO.

C6225354

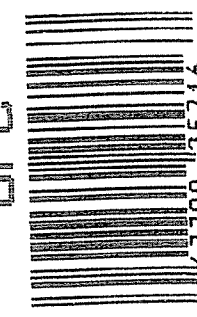
ORDER NO.

5716



5716 C6225354

UPC



0 47700 25716 7

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. #	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

SWS TRIGGER PULL TEST

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

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

$\bar{x} = \frac{1}{5} \sum_{i=1}^5 x_i$ <-----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/C6225354

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

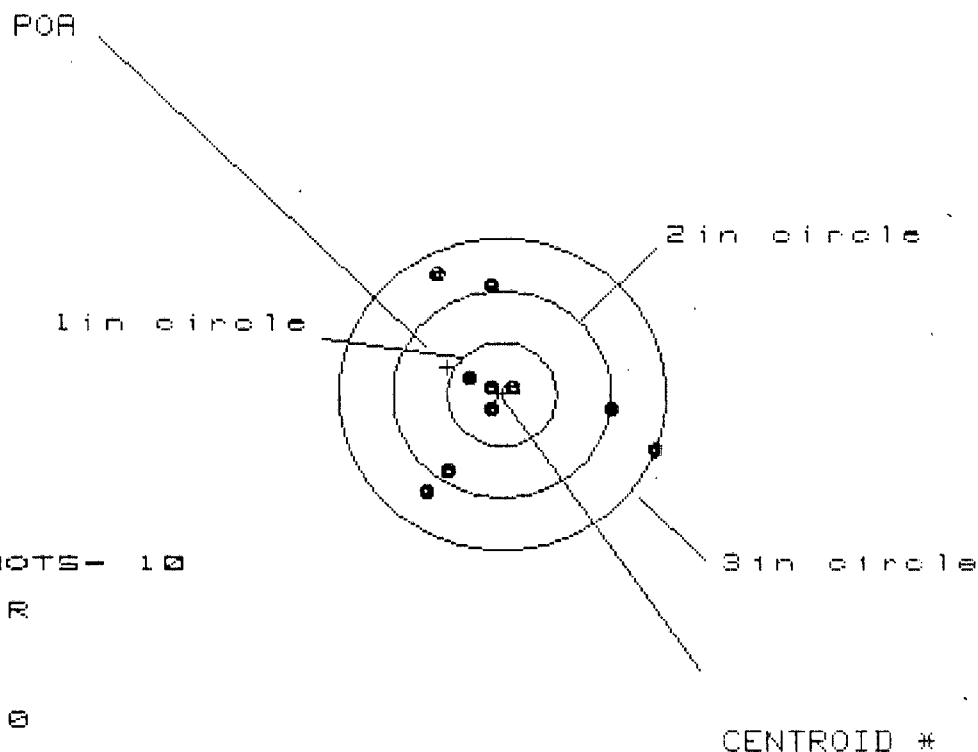
GS= 2.831

PATTERN #	:	1		
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

1in = 4

2in = 5

3in = 10

HS= 2.081

VS= 2.065

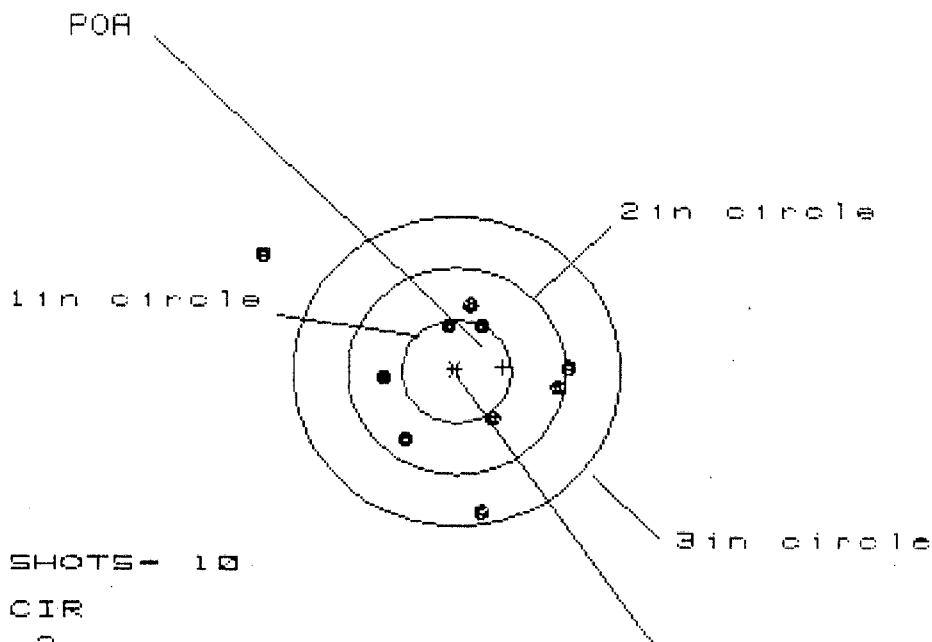
GS= 2.590

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

1in = 2

2in = 8

3in = 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/C6225354

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.160

VS= 1.512

GS= 2.240

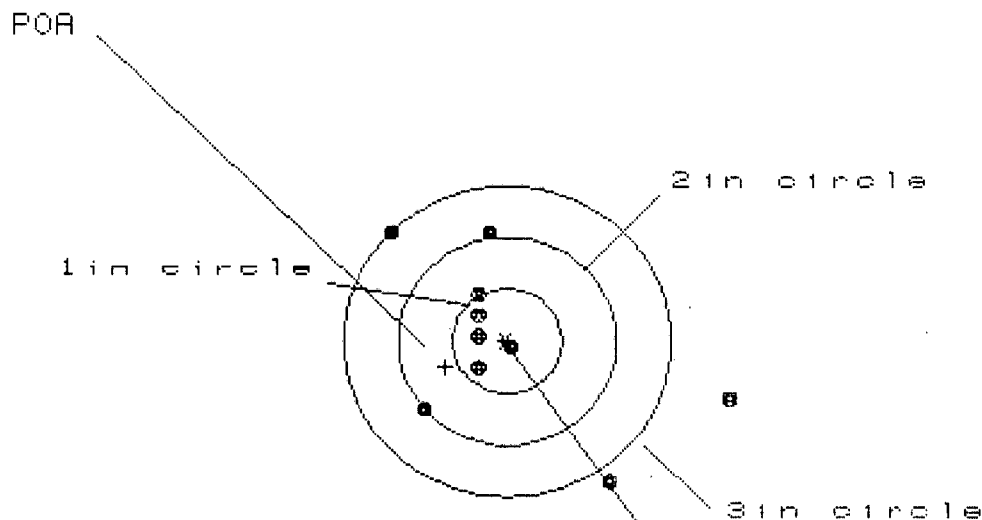
CENTROID *

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



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		