

C6225273

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



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

Remington®

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

DUPONT

MODEL 700™ H24

SERIAL NO. C6225273

ORDER NO. 5716

20

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

UPC

0 47700 25716 7

5716 C6225273

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225273

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	RK.
	Magnaflux Bolt		1-3-89	RK.
615	Rollmark Caliber		12/25/88	WAC
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	W/T
620	Apply Coatings (Barrel Action)		1-16-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/9/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/9/89	RW
	C) Inspect Ejector Hole for Chamfer		2/9/89	RW
	D) Oil Firing Pin Ass'y		2/9/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/9/89	LS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10 Feb 89	JSS
	G) Safety Off Force	3	3	3			10 Feb 89	JSS
	H) Trigger Pull Test & Retainability						9 Feb 89	JSS
	I) Firing Pin Indent	.0205	.0205	.021			10 Feb 89	JSS
	J) Assemble Stock						2/27/89	RLW
	K) Assemble Swivel Studs						6 Mar 89	JSS
	L) Attach Front and Rear Sight Assemblies						2/27/89	RLW
	M) Iron Sight Alignment						2/27/89	RLW
	N) Detach Front & Rear Sights & place in numbered container						2/27/89	RLW
	O) Attach Scope to Rifle						2/27/89	WLB
	P) Detach & Attach Scope 20 Times						2/27/89	WLB
640	Gallery Target & Test	78 R	73 L				3-1-89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clarity of Scope			OK			"	AC
645	Inspect for Live Ammo			NONE			3-1-89	AC
655	Final Inspection							
	A) Headspace						6 Mar 89	JSS
	B) Trigger Pull	2.55	2.63	2.65	2.58	2.73	6 Mar 89	JSS
	C) Function						6 Mar 89	JSS
660	Pack						23 Mar 89	JSS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5273

DATE 6/29/90

TESTER JLP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.37	2.32	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.31	2.36	
PULL #3	2.34	2.31	2.31	
PULL #4	2.33	2.41	2.42	
PULL #5	2.28	2.36	2.36	
TOTAL	11.67	11.71	11.75	
AVG.	2.334	2.342	2.35	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.45	3.40	
PULL #2	3.39	3.41	
PULL #3	3.41	3.43	
PULL #4	3.39	3.34	
PULL #5	3.43	3.40	
TOTAL	17.07	16.98	
AVG.	3.414	3.396	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.39		4.44
PULL #2	4.38	4.40		4.43
PULL #3	4.37	4.41		4.43
PULL #4	4.39	4.39		4.44
PULL #5	4.38	4.41		4.42
TOTAL	21.94	22.00		22.16
AVG.	4.388	4.4		4.432

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225273
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.437138
1 TO	2	.346746
1 TO	3	.720378
1 TO	4	.193041
1 TO	5	.84004

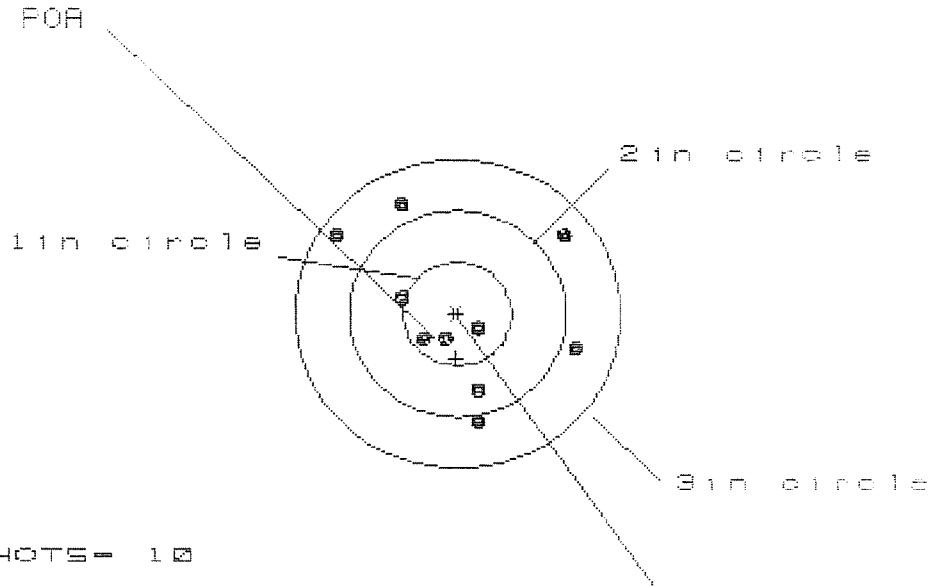
$\frac{4^1}{1^2}$ $\frac{1}{5}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1936
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0912
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .214006
THE AMR FOR THIS RIFLE IS: .8802

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225273

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.154

VS= 2.059

GS= 2.456

CENTROID *

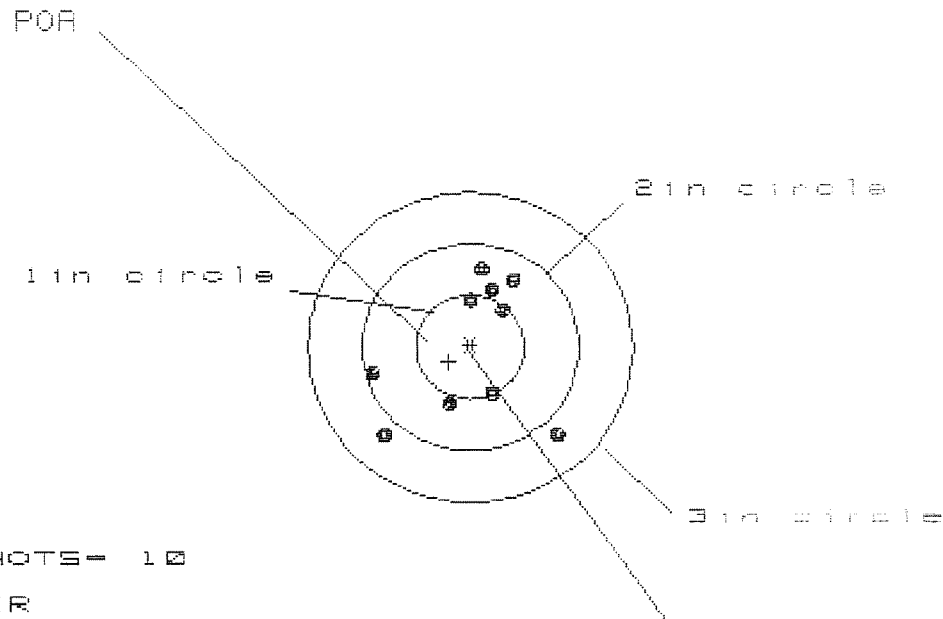
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.082	.963	1.073
MINIMUM X	:	-1.072	-.649	-.539
MAXIMUM Y	:	1.055	1.143	1.251
MINIMUM Y	:	-1.004	-.916	-.808
CENTROID X	:	.011	.130	.020
CENTROID Y	:	.437	.349	.241
POA TO CENTROID in.	:	.437	.373	.242
MIN RADIUS	:	.231	.091	.148
MEAN RADIUS	:	.814	.739	.637
MAX RADIUS	:	1.334	1.315	1.362
HORIZONTAL SPREAD	:	2.154	1.612	1.612
VERTICAL SPREAD	:	2.059	2.059	2.059
EXTREME SPREAD	:	2.456	2.182	2.182
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225273

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.667

VS= 1.563

GS= 1.928

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.754	.668	.401
MINIMUM X	:	-.913	-.999	-.916
MAXIMUM Y	:	.723	.630	.516
MINIMUM Y	:	-.840	-.911	-.762
CENTROID X	:	.198	.284	.201
CENTROID Y	:	.145	.238	.352
POA TO CENTROID in.	:	.246	.371	.405
MIN RADIUS	:	.437	.321	.260
MEAN RADIUS	:	.728	.656	.572
MAX RADIUS	:	1.141	1.130	1.010
HORIZONTAL SPREAD	:	1.667	1.667	1.317
VERTICAL SPREAD	:	1.563	1.541	1.278
EXTREME SPREAD	:	1.928	1.772	1.599
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225273

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 8

HS= 3.210

VS= 2.473

GS= 3.343

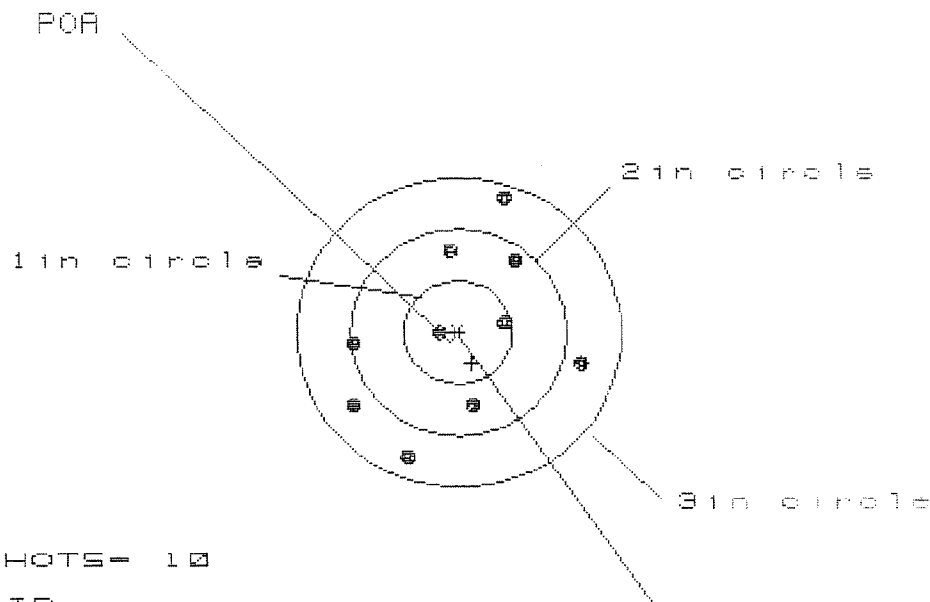
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.937	1.211	1.091
MINIMUM X	:	-1.273	-1.058	-1.178
MAXIMUM Y	:	1.201	1.194	1.034
MINIMUM Y	:	-1.272	-1.279	-1.720
CENTROID X	:	.391	.176	.296
CENTROID Y	:	-.175	-.168	-.008
POA TO CENTROID in.	:	.428	.243	.296
MIN RADIUS	:	.066	.097	.160
MEAN RADIUS	:	1.065	.958	.886
MAX RADIUS	:	1.938	1.601	1.360
HORIZONTAL SPREAD	:	3.210	2.269	2.269
VERTICAL SPREAD	:	2.473	2.473	1.754
EXTREME SPREAD	:	3.343	3.129	2.578
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225273

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.116

VS= 2.567

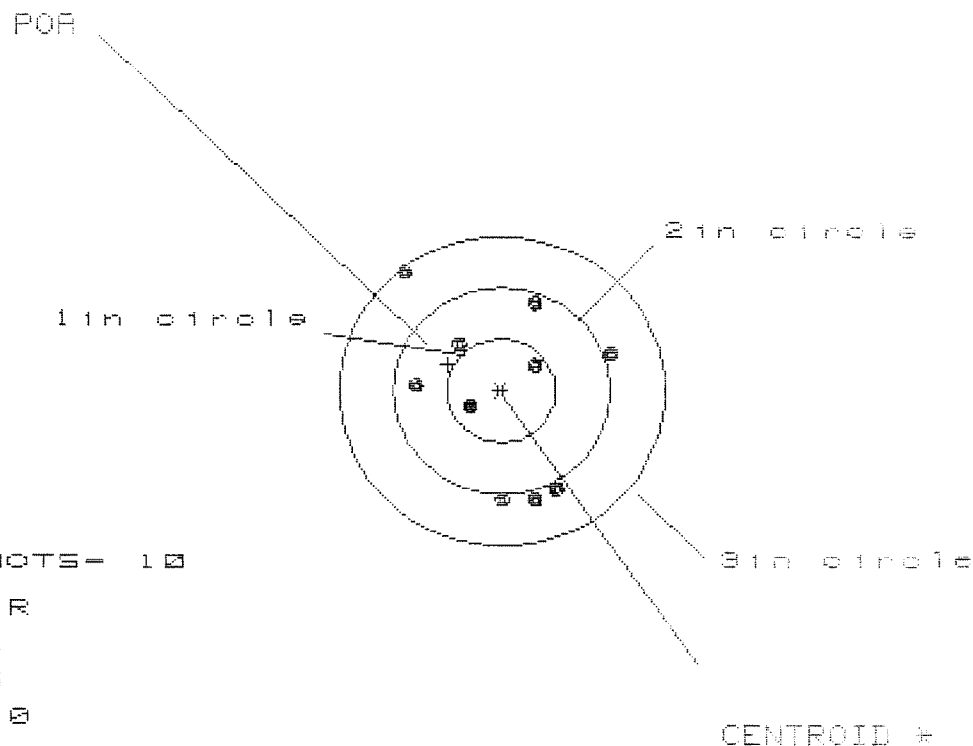
CS= 2.716

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.152	1.200	1.150
MINIMUM X	:	-.964	-.916	-.956
MAXIMUM Y	:	1.332	.965	.829
MINIMUM Y	:	-1.235	-1.087	-.724
CENTROID X	:	-.125	-.173	-.123
CENTROID Y	:	.300	.152	.288
POA TO CENTROID in.	:	.325	.230	.313
MIN RADIUS	:	.153	.211	.159
MEAN RADIUS	:	.907	.854	.795
MAX RADIUS	:	1.401	1.210	1.207
HORIZONTAL SPREAD	:	2.116	2.116	2.116
VERTICAL SPREAD	:	2.567	2.052	1.553
EXTREME SPREAD	:	2.716	2.170	2.161
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225273

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.883

VS= 2.280

GS= 2.535

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.942	.932
MINIMUM X	:	-.847	-.894	-.904
MAXIMUM Y	:	1.188	1.007	.887
MINIMUM Y	:	-1.092	-.960	-1.036
CENTROID X	:	.493	.587	.597
CENTROID Y	:	-.251	-.383	-.263
POA TO CENTROID in.	:	.553	.701	.653
MIN RADIUS	:	.356	.426	.313
MEAN RADIUS	:	.887	.827	.793
MAX RADIUS	:	1.459	1.046	1.048
HORIZONTAL SPREAD	:	1.883	1.836	1.836
VERTICAL SPREAD	:	2.280	1.967	1.923
EXTREME SPREAD	:	2.535	1.988	1.923
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

Serial Number: **C6225273**
Model: **700**



RE00022086

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

R & E NUMBER <i>22086</i>			
SERIAL NUMBER <i>C-6225273</i>			
LOG-IN DATE <i>1-31-01</i>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>2-2-01</i>	<i>ck</i>
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE	<i>2-12-01</i>	<i>ck</i>
610	DIS-ASSEMBLE GUN	<i>2-12-01</i>	<i>ck</i>
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	<i>3-13-01</i>	<i>ck</i>
655	FINAL INSPECT	<i>3-15-01</i>	<i>ck</i>
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sni. C-62252 73

DATE REC'D: 1-31-01

DATE RET'D:

Auditor: CK

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 Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225273
16 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0796
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1426
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .163312

THE AMR FOR THIS RIFLE IS: 1.027

CENTROIDAL DISTANCES

0	TO	1	.305949
1	TO	2	.150283
1	TO	3	.080604
1	TO	4	.493277
1	TO	5	.287179

13₂
5
4 <----POA

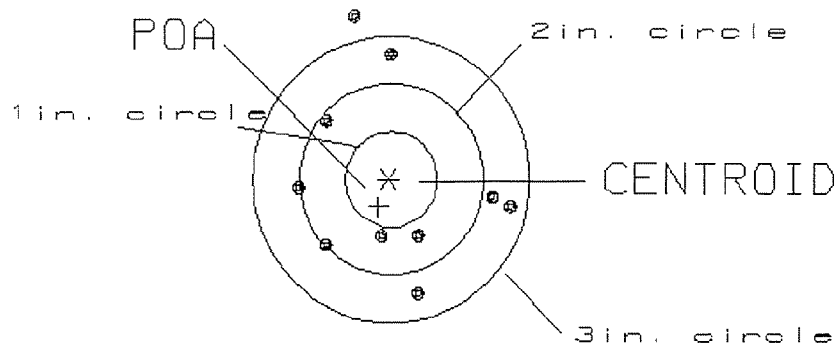
PATTERN #: 1

POA TO CENTROID: .306
 MIN RADIUS : .622
 MEAN RADIUS : 1.091
 MAX RADIUS : 1.738
 CENTROID X : .106
 CENTROID Y : .287

16 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225273

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.30
 VS= 2.86
 GS= 2.92

0
 5
 9

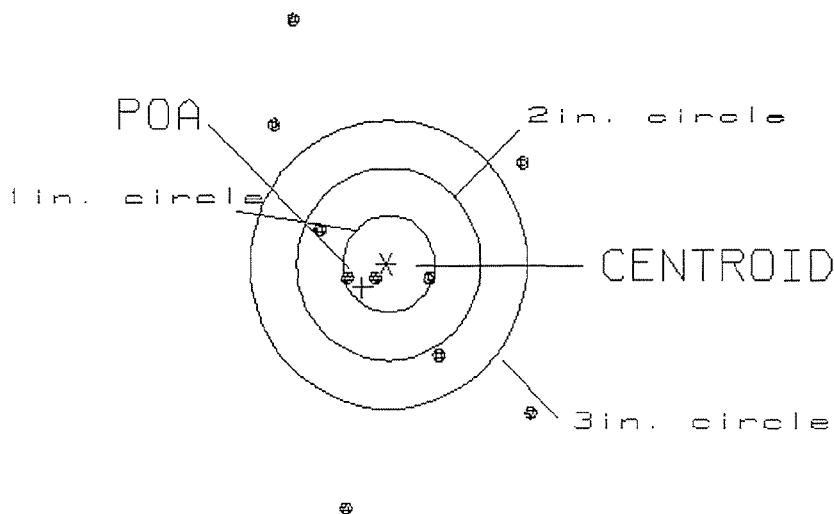
PATTERN #: 2

POA TO CENTROID: .350
 MIN RADIUS : .171
 MEAN RADIUS : 1.424
 MAX RADIUS : 2.709
 CENTROID X : .250
 CENTROID Y : .244

16 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225273

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.83
 VS= 5.05
 GS= 5.08

2
 4
 5

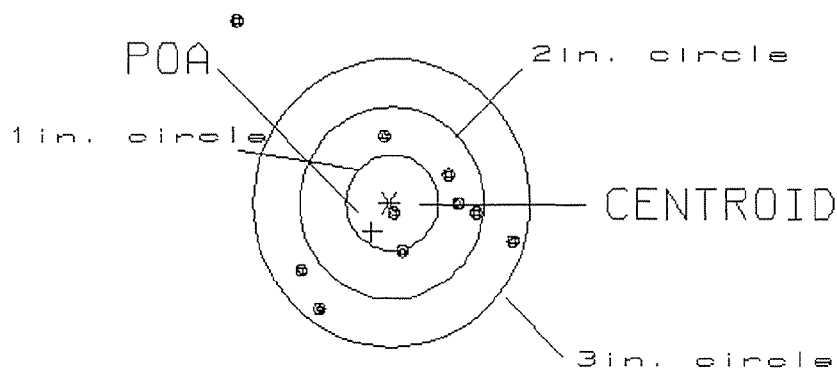
PATTERN #: 3

POA TO CENTROID: .355
 MIN RADIUS : .071
 MEAN RADIUS : 1.004
 MAX RADIUS : 2.548
 CENTROID X : .185
 CENTROID Y : .303

16 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225273

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.03
 VS= 3.00
 GS= 3.77

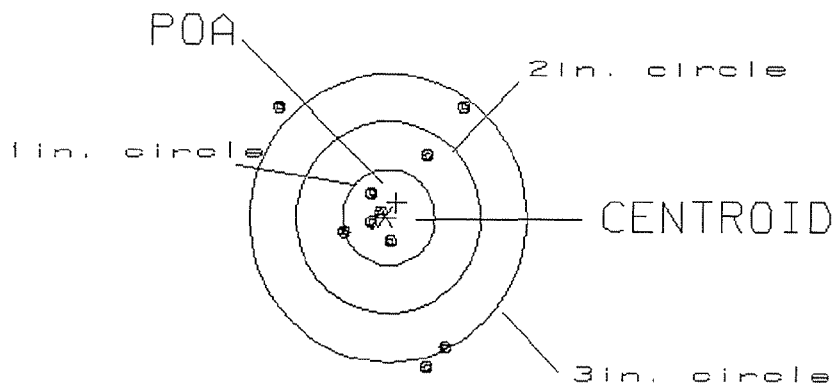
2
 6
 9

PATTERN #: 4
 POA TO CENTROID: .192
 MIN RADIUS : .070
 MEAN RADIUS : .826
 MAX RADIUS : 1.656
 CENTROID X : -.115
 CENTROID Y : -.154

16 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225273

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.02

4

VS= 2.64

6

GS= 3.07

8

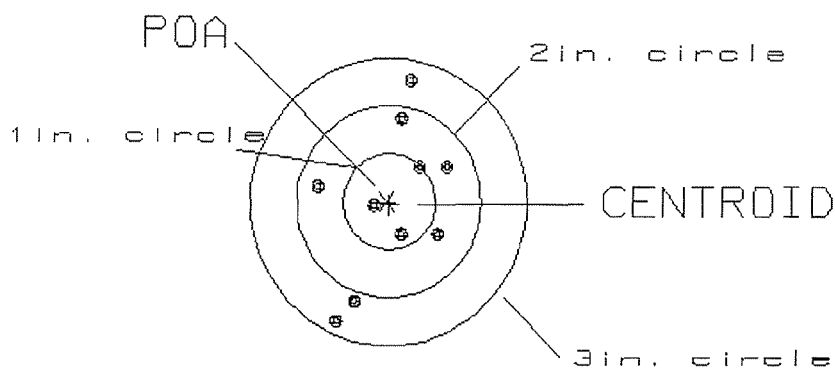
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .043
 MIN RADIUS : .219
 MEAN RADIUS : .790
 MAX RADIUS : 1.341
 CENTROID X : -.028
 CENTROID Y : .033

16 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225273

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.41
 VS= 2.52
 GS= 2.66

3
 7
 10