

C6225150

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®]

MODEL 700TM H24

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

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

SERIAL NO.
C6225150

ORDER NO.
5716

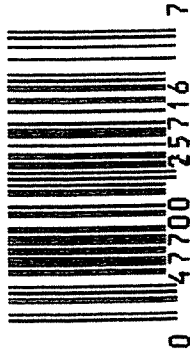
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6225150

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6 225150

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	Y.S.
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/15/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/89	RW
	C) Inspect Ejector Hole for Chamfer		5/17/89	RW
	D) Oil Firing Pin Ass'y		5/17/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/23/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	4 3/4			5/23/89	WLB
	G) Safety Off Force	3	3 1/4	3			5/23/89	WLB
	H) Trigger Pull Test & Retainability						5/23/89	G.S.
	I) Firing Pin Indent	.0215	.021	.021			5/23/89	WLB
	J) Assemble Stock						5/24/89	RLW
	K) Assemble Swivel Studs						31 May 89	JSB
	L) Attach Front and Rear Sight Assemblies						5/24/89	RLW
	M) Iron Sight Alignment						5/24/89	RLW
	N) Detach Front & Rear Sights & place in numbered container						5/24/89	RLW
	O) Attach Scope to Rifle						5/24/89	JSB
	P) Detach & Attach Scope 20 Times						5/24/89	JSB
640	Gallery Target & Test	66 R	86L				5-25-89	JSB
	A) Time						"	JSB
	B) Malfunctions						"	JSB
	C) Pierced Primers						"	JSB
	D) Optical Clarity of Scope						"	JSB
645	Inspect for Live Ammo						5-25-89	JSB
655	Final Inspection							
	A) Headspace						31 May 89	JSB
	B) Trigger Pull	222	218	219	221	225	31 May 89	JSB
	C) Function						31 May 89	JSB
660	Pack						27 June 89	JSB

SWS TRIGGER PULL TEST

5150

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. ~~C6349105~~

DATE 25 Oct 89

TESTER gls

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.10	2.00	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.18	2.04	2.30	
PULL #3	2.36	2.16	2.06	2.29	
PULL #4	2.32	2.08	2.04	2.35	
PULL #5	2.27	2.15	2.02	2.29	
TOTAL	11.72	10.64	10.16	11.38	
AVG.	2.344	2.128	2.032	2.276	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.30		
PULL #2	3.38	3.28		
PULL #3	3.31	3.27		
PULL #4	3.35	3.13		
PULL #5	3.31	3.21		
TOTAL	16.65	16.19		
AVG.	3.33	3.238		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.43		3.74
PULL #2	4.48	4.56		3.68
PULL #3	4.55	4.62		3.65
PULL #4	4.83	4.49		3.65
PULL #5	4.78	4.22		3.61
TOTAL	22.60	22.30		18.43
AVG.	4.52	4.46		3.686

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225150
25 May 1989

CENTROIDAL DISTANCES

0 TO	1	.551719
1 TO	2	.218156
1 TO	3	.233225
1 TO	4	.726808
1 TO	5	.255986

⁴
5+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4568
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0138
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .457008

THE AMR FOR THIS RIFLE IS: .8016

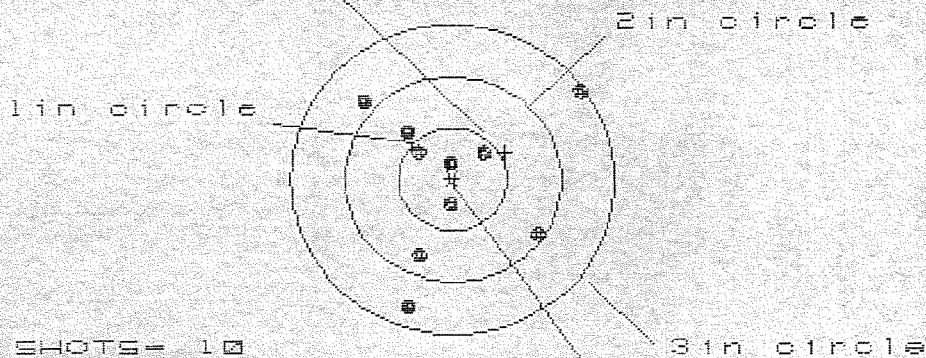
25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225150

CENTERFIRE PATTERNS

1

POA



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.012

VS= 2.183

GS= 2.706

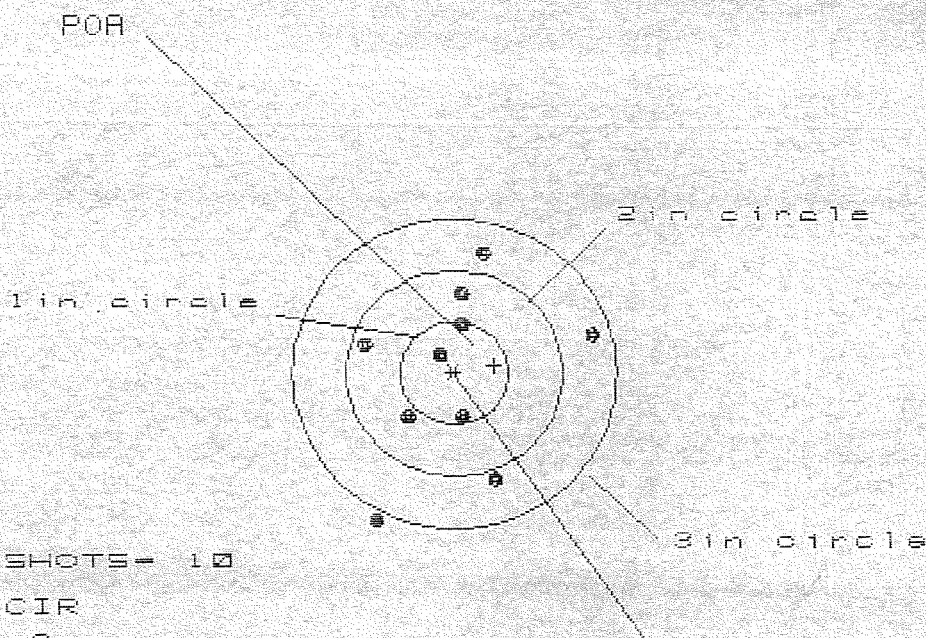
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.228	.898	.869
MINIMUM X	:	-.784	-.648	-.677
MAXIMUM Y	:	.899	.850	.702
MINIMUM Y	:	-1.284	-1.184	-.765
CENTROID X	:	-.485	-.621	-.592
CENTROID Y	:	-.263	-.363	-.215
POA TO CENTROID in.	:	.552	.720	.630
MIN RADIUS	:	.189	.183	.157
MEAN RADIUS	:	.754	.665	.569
MAX RADIUS	:	1.522	1.207	1.055
HORIZONTAL SPREAD	:	2.012	1.546	1.546
VERTICAL SPREAD	:	2.183	2.034	1.467
EXTREME SPREAD	:	2.706	2.076	2.020
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225150

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.151

VS= 2.561

GS= 2.767

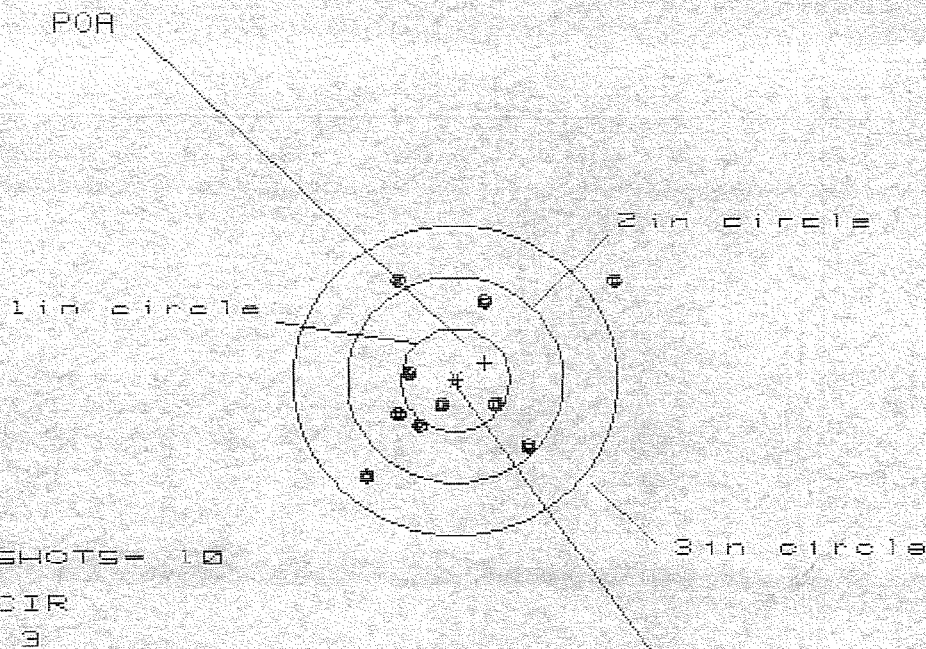
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.308	1.228	.434
MINIMUM X	:	-.843	-.923	-.770
MAXIMUM Y	:	1.174	1.020	1.044
MINIMUM Y	:	-1.387	-1.211	-1.187
CENTROID X	:	-.371	-.291	-.444
CENTROID Y	:	-.077	.077	.053
POA TO CENTROID in.	:	.379	.301	.447
MIN RADIUS	:	.257	.238	.110
MEAN RADIUS	:	.864	.771	.685
MAX RADIUS	:	1.565	1.243	1.264
HORIZONTAL SPREAD	:	2.151	2.151	1.204
VERTICAL SPREAD	:	2.561	2.231	2.231
EXTREME SPREAD	:	2.767	2.231	2.231
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225150

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.317

VS= 1.923

GS= 2.988

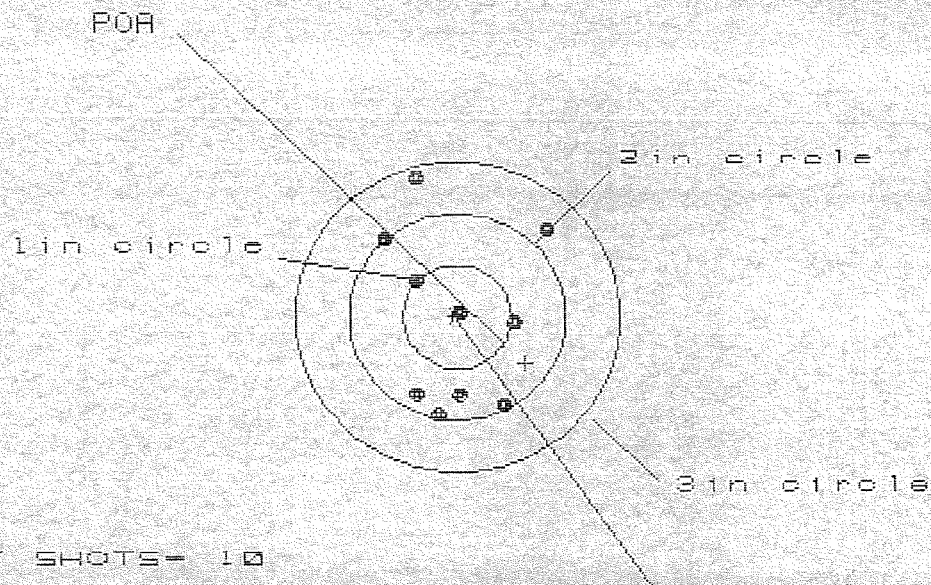
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.462	.857	.771
MINIMUM X	:	-.855	-.693	-.494
MAXIMUM Y	:	.984	1.089	.985
MINIMUM Y	:	-.939	-.834	-.615
CENTROID X	:	-.272	-.434	-.348
CENTROID Y	:	-.168	-.273	-.169
POA TO CENTROID in.	:	.319	.513	.386
MIN RADIUS	:	.259	.092	.217
MEAN RADIUS	:	.824	.670	.640
MAX RADIUS	:	1.742	1.136	1.066
HORIZONTAL SPREAD	:	2.317	1.550	1.265
VERTICAL SPREAD	:	1.923	1.923	1.600
EXTREME SPREAD	:	2.988	2.067	1.988
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

25 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225150

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.467

VS= 2.331

GS= 2.345

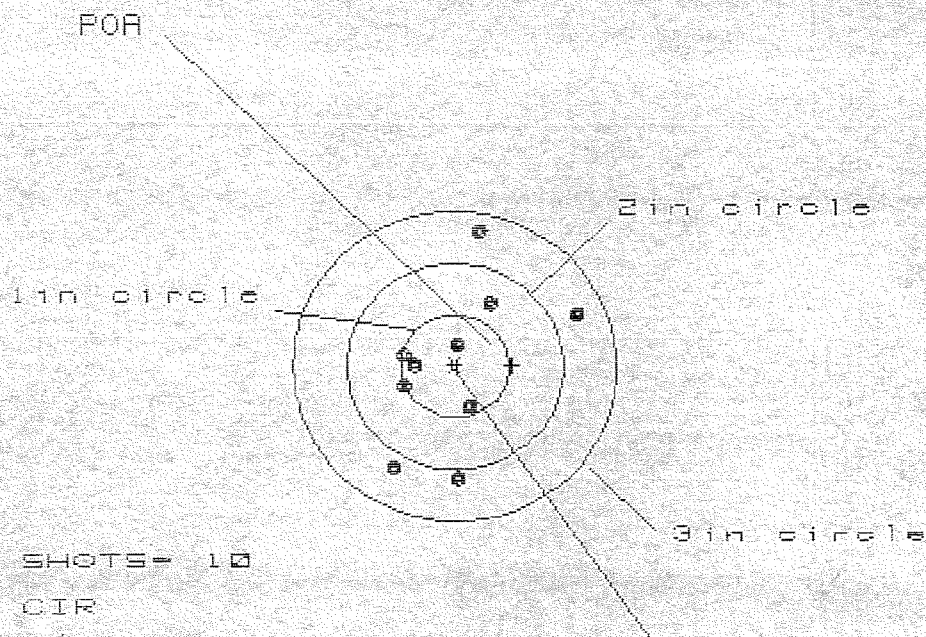
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.821	.782	.625
MINIMUM X	:	-.646	-.685	-.587
MAXIMUM Y	:	1.358	.987	1.054
MINIMUM Y	:	-.973	-.822	-.699
CENTROID X	:	-.626	-.587	-.685
CENTROID Y	:	.450	.299	.176
POA TO CENTROID in.	:	.771	.659	.707
MIN RADIUS	:	.075	.180	.328
MEAN RADIUS	:	.826	.749	.674
MAX RADIUS	:	1.402	1.259	1.207
HORIZONTAL SPREAD	:	1.467	1.467	1.212
VERTICAL SPREAD	:	2.331	1.809	1.753
EXTREME SPREAD	:	2.345	2.073	1.968
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

25 May 1983

FILE:/PATTERNING/CENTERFIRE_PATT/C6225150

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 10

HS= 1.683

VS= 2.365

GS= 2.398

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	1.114	.535
MINIMUM X	:	-.600	-.569	-.430
MAXIMUM Y	:	1.278	.733	.810
MINIMUM Y	:	-1.087	-.945	-.868
CENTROID X	:	-.530	-.561	-.700
CENTROID Y	:	-.011	-.153	-.230
POA TO CENTROID in.	:	.530	.581	.737
MIN RADIUS	:	.225	.277	.308
MEAN RADIUS	:	.740	.668	.570
MAX RADIUS	:	1.308	1.271	.971
HORIZONTAL SPREAD	:	1.683	1.683	.965
VERTICAL SPREAD	:	2.365	1.678	1.678
EXTREME SPREAD	:	2.398	2.204	1.821
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

FINAL Inspection

S.N. C6225150

DATE REC'D: 9-27-00

DATE RET'D:

AUDITOR: RW

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:

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

R & E NUMBER		14584	
SERIAL NUMBER		C6225150	
LOG-IN DATE		9-27-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	10-11-00	RW
605	CHECK HEADSPACE	10-11-00	CK
610	DIS-ASSEMBLE GUN		
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	11-1-00	RW
655	FINAL INSPECT	11-3-00	CK
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225150
1 Nov 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1396
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7834
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .795741

THE AMR FOR THIS RIFLE IS: 1.228

CENTROIDAL DISTANCES

0 TO	1	.677278
1 TO	2	.309556
1 TO	3	.279401
1 TO	4	.384721
1 TO	5	.681416

5
4 3
1
2
+ <----POA

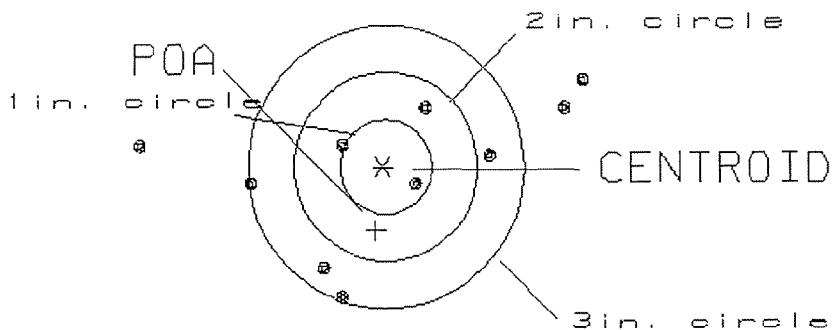
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .677
 MIN RADIUS : .335
 MEAN RADIUS : 1.413
 MAX RADIUS : 2.712
 CENTROID X : .076
 CENTROID Y : .673

1 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225150

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.82

1

VS= 2.31

3

GS= 4.88

6

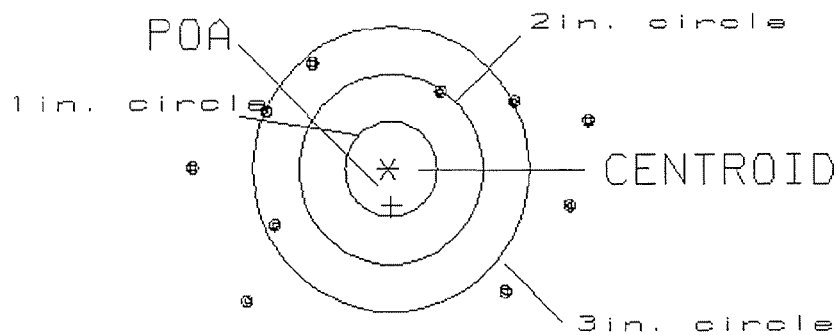
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .389
 MIN RADIUS : .989
 MEAN RADIUS : 1.710
 MAX RADIUS : 2.157
 CENTROID X : -.040
 CENTROID Y : .386

1 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225150

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 4.25
 VS= 2.58
 GS= 4.28

0
 1
 4

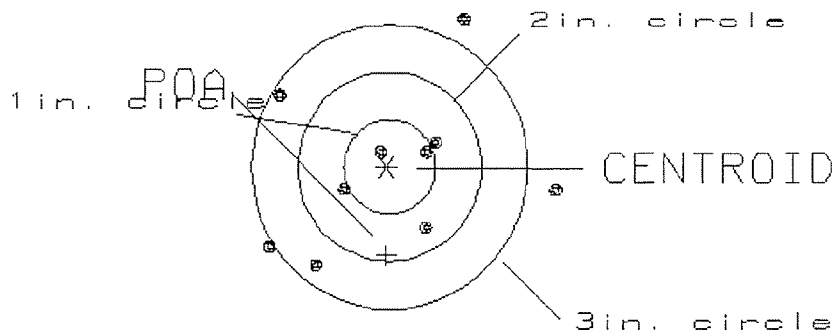
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .941
 MIN RADIUS : .208
 MEAN RADIUS : 1.044
 MAX RADIUS : 1.811
 CENTROID X : -.003
 CENTROID Y : .941

1 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225150

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.06
 VS= 2.61
 GS= 3.21

2
 5
 7

PATTERN #: 4

POA TO CENTROID: .855

MIN RADIUS : .187

MEAN RADIUS : 1.114

MAX RADIUS : 1.894

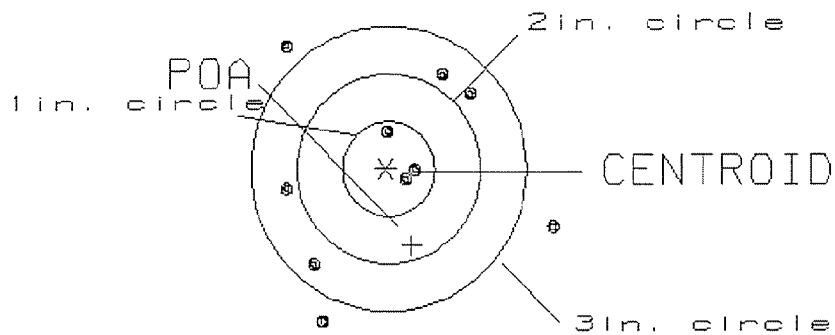
CENTROID X : -.285

CENTROID Y : .806

1 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225150

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

MS= 2.96

3

VS= 2.99

3

GS= 3.48

7

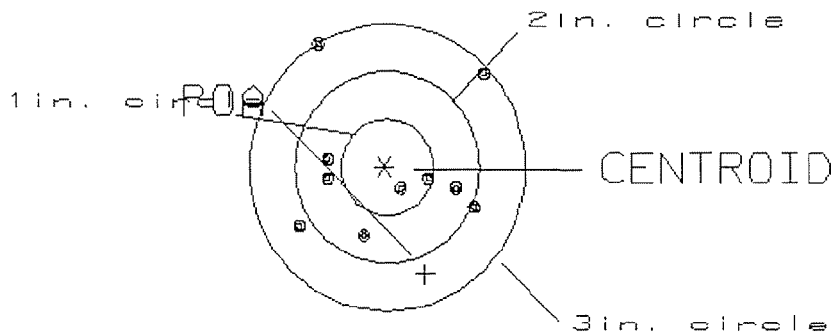
PATTERN #: 5

POA TO CENTROID: 1.197
 MIN RADIUS : .219
 MEAN RADIUS : .858
 MAX RADIUS : 1.496
 CENTROID X : -.446
 CENTROID Y : 1.111

1 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225150

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.01
 VS= 1.99
 GS= 2.56

2
 6
 10