

06349158

MODEL 700™ N24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

Scope 0628

GUN SERIAL #

C6349158

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-10-89	AC
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-10-89	K
	C) Inspect Ejector Hole for Chamfer		11-10-89	AC
	D) Oil Firing Pin Ass'y		11-10-89	K
	E) Adjust Trigger Pull to Min Setting and Stake		11-10-89	422

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	4	2	10/10/89	JS
	G) Safety Off Force	3	2	3	10/10/89	JS
	H) Trigger Pull Test & Retainability				10/10/89	JS
	I) Firing Pin Indent	.0020	.0205	.020	10/10/89	JS
	J) Assemble Stock				11-30-89	AC
	K) Assemble Swivel Studs				5 Dec 89	JS
	L) Attach Front and Rear Sight Assemblies				11-30-89	AC
	M) Iron Sight Alignment				11-30-89	AC
	N) Detach Front & Rear Sights & place in numbered container				11-30-89	AC
	O) Attach Scope to Rifle				30/10/89	JS
	P) Detach & Attach Scope 20 Times				30/10/89	JS
640	Gallery Target & Test				12-4-89	AC
	A) Time				12-4-89	AC
	B) Malfunctions				12-4-89	AC
	C) Pierced Primers				12-4-89	AC
	D) Optical Clarity of Scope				12-4-89	AC
645	Inspect for Live Ammo				12-4-89	AC
655	Final Inspection					
	A) Headspace				5 Dec 89	JS
	B) Trigger Pull	2.24	230	239	5 Dec 89	JS
	C) Function				5 Dec 89	JS
660	Pack				18 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 9158
64348864

DATE 26 Sept 89

TESTER SW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.39	2.31	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.24	2.37	2.42	2.39	
PULL #3	2.31	2.41	2.40	2.43	
PULL #4	2.34	2.39	2.37	2.44	
PULL #5	2.31	2.41	2.44	2.51	
TOTAL	11.62	11.97	11.94	12.23	
AVG.	2.324	2.394	2.388	2.446	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	2.98	3.04		
PULL #2	3.14	3.03		
PULL #3	3.12	3.04		
PULL #4	3.12	3.06		
PULL #5	3.09	3.05		
TOTAL	15.45	15.22		
AVG.	3.09	3.044		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.27	4.30		3.99
PULL #2	4.21	4.27		3.99
PULL #3	4.24	4.26		4.06
PULL #4	4.25	4.20		3.91
PULL #5	4.18	4.14		4.05
TOTAL	21.15	21.11		20.00
AVG.	4.23	4.222		4.00

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349158
4 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.521138
1 TO	2	.640715
1 TO	3	.245204
1 TO	4	.082046
1 TO	5	.785016

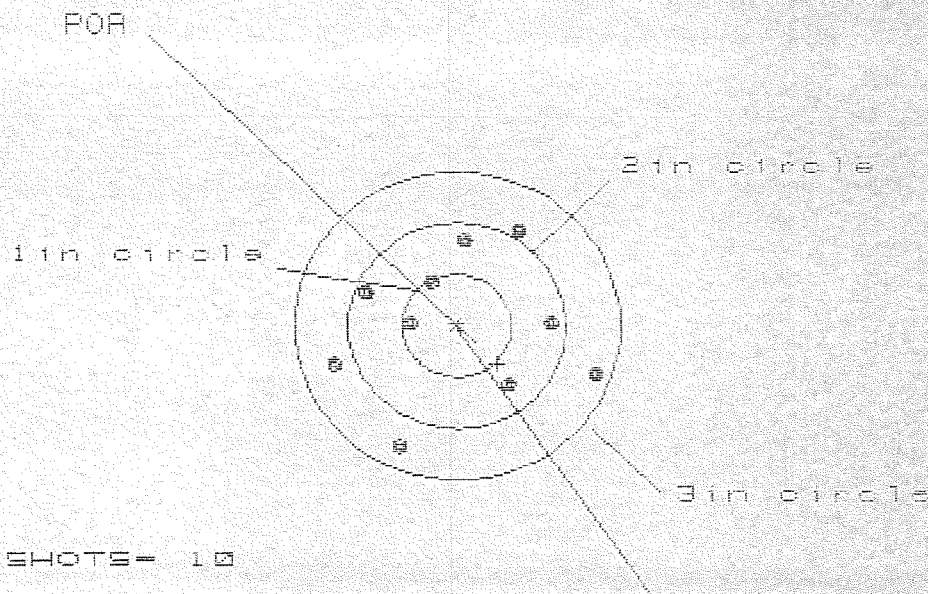
$\frac{L_3}{2} + 191$ x-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.097
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0296
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101416
THE AMR FOR THIS RIFLE IS: .9664

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349158

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.403

VS= 2.076

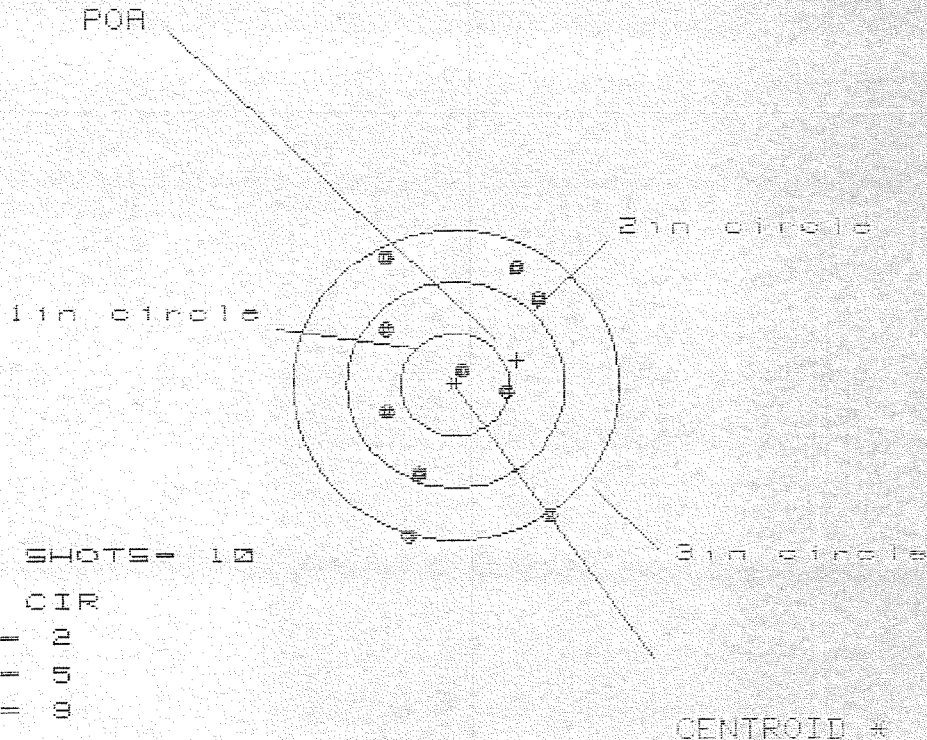
GS= 2.405

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.047	.917
MINIMUM X	:	-1.177	-1.041	-.875
MAXIMUM Y	:	.950	.895	.838
MINIMUM Y	:	-1.126	-1.181	-1.238
CENTROID X	:	-.368	-.504	-.374
CENTROID Y	:	.369	.424	.481
POA TO CENTROID in.	:	.521	.659	.689
MIN RADIUS	:	.458	.320	.393
MEAN RADIUS	:	.924	.855	.816
MAX RADIUS	:	1.323	1.236	1.332
HORIZONTAL SPREAD	:	2.403	2.088	1.792
VERTICAL SPREAD	:	2.076	2.076	2.076
EXTREME SPREAD	:	2.405	2.328	2.328
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

4 Dec 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06345158

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.539

VS= 2.622

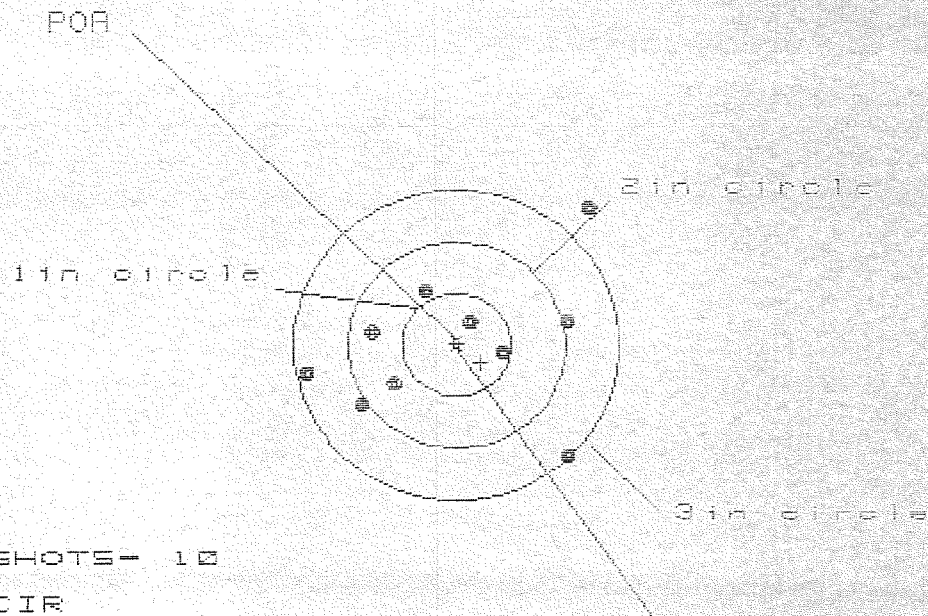
GS= 2.884

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.866	.851	.806
MINIMUM X	:	-.673	-.577	-.623
MAXIMUM Y	:	1.204	1.063	.868
MINIMUM Y	:	-1.418	-1.559	-1.165
CENTROID X	:	-.564	-.660	-.615
CENTROID Y	:	-.241	-.100	.095
POA TO CENTROID in.	:	.613	.668	.622
MIN RADIUS	:	.129	.125	.224
MEAN RADIUS	:	.981	.989	.820
MAX RADIUS	:	1.533	1.601	1.188
HORIZONTAL SPREAD	:	1.539	1.428	1.428
VERTICAL SPREAD	:	2.622	2.622	2.033
EXTREME SPREAD	:	2.884	2.753	2.142
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349153

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.592

VS= 2.305

GS= 3.041

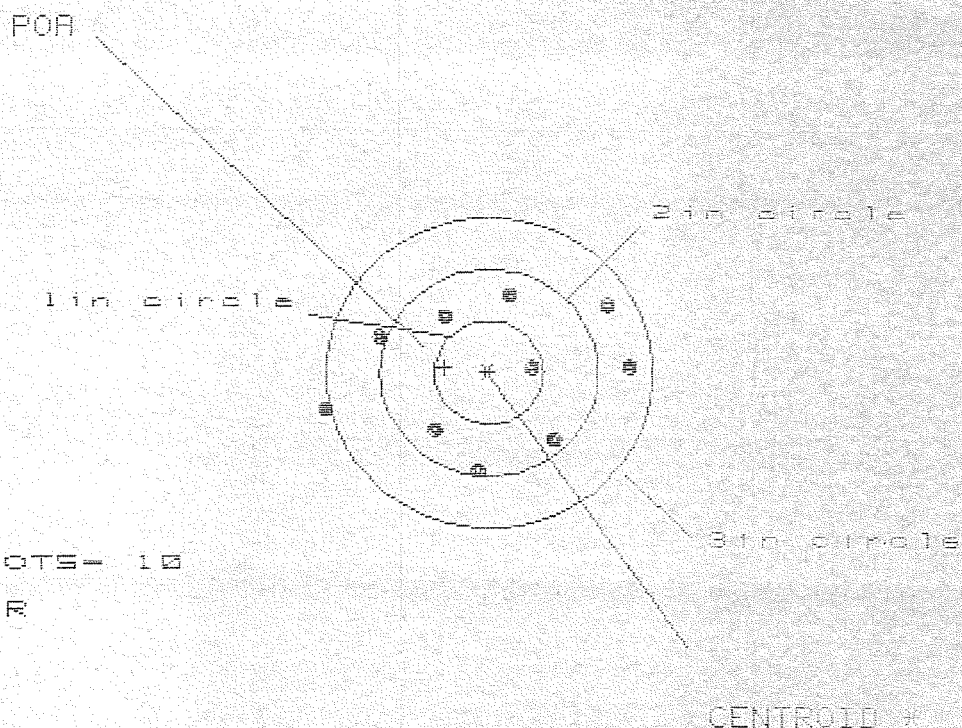
CENTROID +

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.255	1.193	1.267
MINIMUM X	:	-1.337	-1.197	-1.048
MAXIMUM Y	:	1.281	.692	.582
MINIMUM Y	:	-1.024	-.882	-.537
CENTROID X	:	-.222	-.362	-.511
CENTROID Y	:	.172	.030	.140
POB TO CENTROID in.	:	.281	.363	.530
MIN RADIUS	:	.243	.442	.463
MEAN RADIUS	:	.946	.848	.743
MAX RADIUS	:	1.793	1.483	1.289
HORIZONTAL SPREAD	:	2.592	2.390	2.315
VERTICAL SPREAD	:	2.305	1.574	1.119
EXTREME SPREAD	:	3.041	2.495	2.372
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Dec 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06349158

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 9

HS= 2.840

VS= 1.621

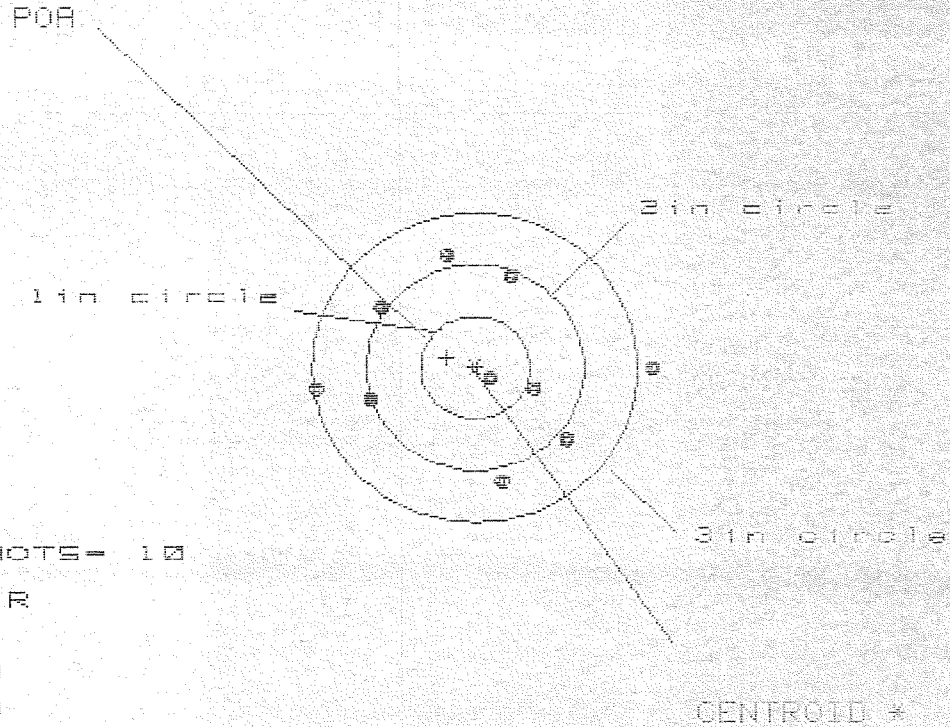
GS= 2.858

PATTERN #	4	4	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.317	1.148	1.022
MINIMUM X	-1.523	-1.128	-0.985
MAXIMUM Y	.717	.683	.681
MINIMUM Y	-.904	-.938	-.940
CENTROID X	.406	.575	.432
CENTROID Y	-.054	-.020	-.018
POR TO CENTROID in.	.410	.576	.432
MIN RADIUS	.405	.232	.373
MEAN RADIUS	.956	.871	.834
MAX RADIUS	1.553	1.171	1.215
HORIZONTAL SPREAD	2.040	2.276	2.007
VERTICAL SPREAD	1.621	1.621	1.621
EXTREME SPREAD	2.858	2.300	2.037
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8345158

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 3.083

VS= 2.195

GS= 3.090

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.614
MINIMUM X	-1.469
MAXIMUM Y	1.078
MINIMUM Y	-1.117
CENTROID X	.263
CENTROID Y	-.098
POA TO CENTROID in.	.281
MIN RADIUS	.143
MEAN RADIUS	1.025
MAX RADIUS	1.614
HORIZONTAL SPREAD	3.083
VERTICAL SPREAD	2.195
EXTREME SPREAD	3.090
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	6

Remington[®]

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

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

MODEL 700TM H24

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

SERIAL NO.
C6349158

ORDER NO.
5716

Ø1

5716 C6349158

UPC

0 47700 25716 7



Serial Number: C6349158



RE00021320

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349158
27 Feb 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .039
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0954
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .103064

THE AMR FOR THIS RIFLE IS: .8724

CENTROIDAL DISTANCES

0 TO	1	.0718401
1 TO	2	.20412
1 TO	3	.111005
1 TO	4	.320208
1 TO	5	.15842

2
3 4 <----POA
5 4

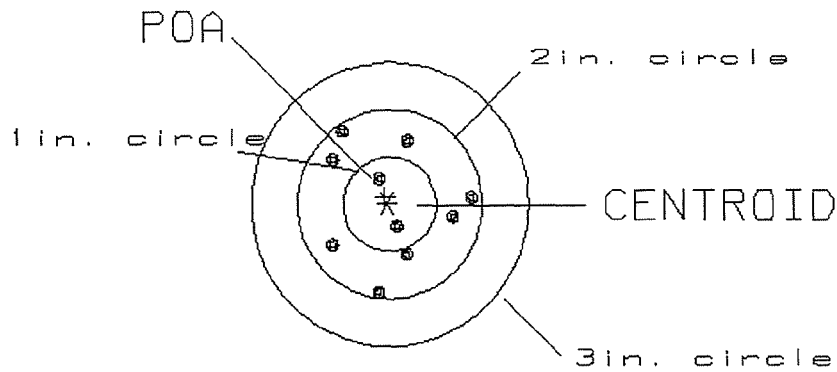
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .072
 MIN RADIUS : .211
 MEAN RADIUS : .675
 MAX RADIUS : .982
 CENTROID X : .020
 CENTROID Y : -.069

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349158

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.48

2

VS= 1.74

10

GS= 1.80

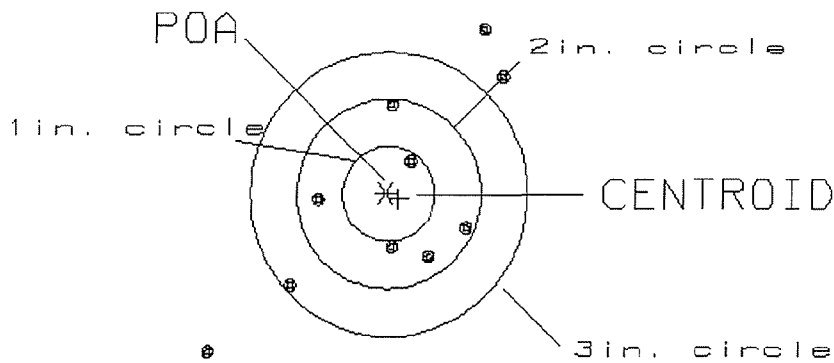
10

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .150
 MIN RADIUS : .388
 MEAN RADIUS : 1.200
 MAX RADIUS : 2.533
 CENTROID X : -.139
 CENTROID Y : .059

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349158

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.15

1

VS= 3.39

6

GS= 4.50

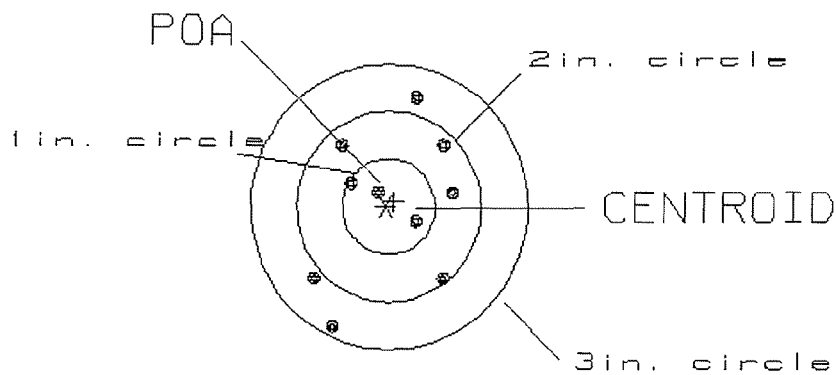
7

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .102
 MIN RADIUS : .239
 MEAN RADIUS : .792
 MAX RADIUS : 1.396
 CENTROID X : -.089
 CENTROID Y : -.048

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349158

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 1.44

3

VS= 2.38

7

GS= 2.54

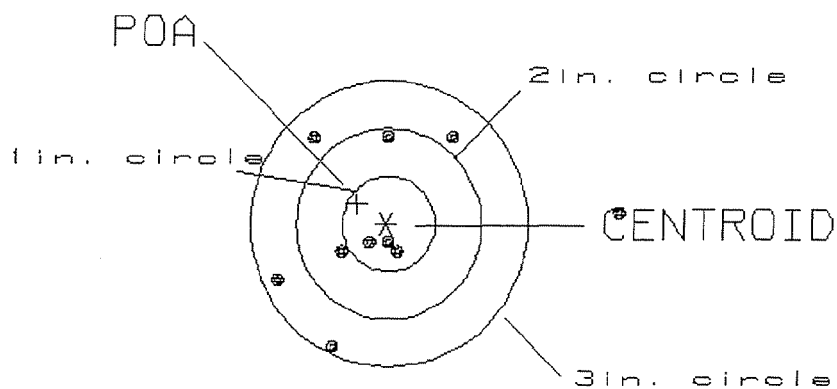
10

PATTERN #: 4
 POA TO CENTROID: .373
 MIN RADIUS : .217
 MEAN RADIUS : .986
 MAX RADIUS : 2.479
 CENTROID X : .307
 CENTROID Y : -.211

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349158

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.64

3

VS= 2.18

5

GS= 3.71

9

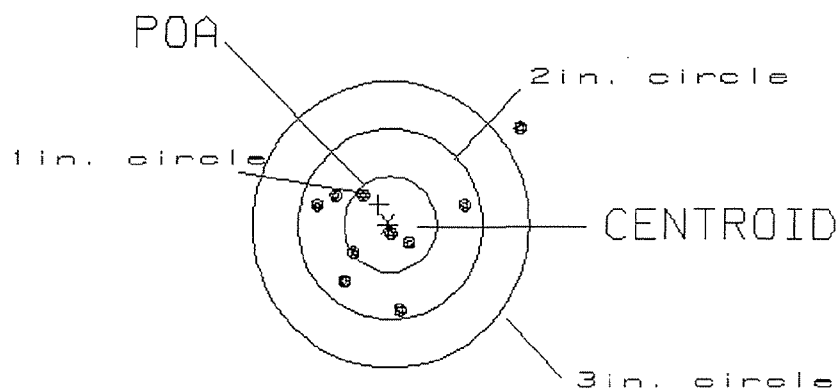
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .229
 MIN RADIUS : .139
 MEAN RADIUS : .709
 MAX RADIUS : 1.723
 CENTROID X : .096
 CENTROID Y : -.208

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349158

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.19

4

VS= 1.89

9

GS= 2.49

9

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

R & E NUMBER <u>21320</u>			
SERIAL NUMBER <u>C-6349158</u>			
LOG-IN DATE <u>1-22-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-27-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-30-01	CK
605	CHECK HEADSPACE	1-30-01	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	2-7-01	CK
655	FINAL INSPECT	2-12-01	CK
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

SN: C-6349158

DATE REC'D: 1-22-01

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

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:

MISC.

☐ DD-250

☐ BAR CODE

☐ PACKAGING