

C6225207

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225207

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	88	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	h.f.
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT.
620	Apply Coatings (Barrel Action)		3-31-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/3/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/3/89	RW
	C) Inspect Ejector Hole for Chamfer		4/3/89	RW
	D) Oil Firing Pin Ass'y		4/3/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-3-89	G.S.

op. #	BARBER - M24 0010627 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4-7-89	g4
	G) Safety Off Force	3	3	3			4-7-89	g4
	H) Trigger Pull Test & Retainability						4-3-89	g.s.
	I) Firing Pin Indent	.020	.020	.020			4-7-89	g4
	J) Assemble Stock						4/12/89	RW
	K) Assemble Swivel Studs						18 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/12/89	RW
	M) Iron Sight Alignment						4/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/12/89	RW
	O) Attach Scope to Rifle						4/12/89	g4
	P) Detach & Attach Scope 20 Times						4/13/89	g4
640	Gallery Target & Test	77 R	80 L				4/17/89	DH
	A) Time						4/17/89	DH
	B) Malfunctions						4/17/89	DH
	C) Pierced Primers						4/17/89	DH
	D) Optical Clarity of Scope						4/17/89	DH
645	Inspect for Live Ammo						4/17/89	DH
655	Final Inspection							
	A) Headspace						18 April 89	JS
	B) Trigger Pull	2.28	2.11	2.13	2.02	2.10	18 April 89	JS
	C) Function						18 April 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 5207

DATE 22 Mar 90

TESTER JD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	257	263		269	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	265	255		275	
PULL #3	264	268		273	
PULL #4	267	269		273	
PULL #5	263	272		283	
TOTAL	1316	1327			
AVG.	2632	2654			

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	329	315		
PULL #2	325	322		
PULL #3	327	320		
PULL #4	323	309		
PULL #5	321	322		
TOTAL	1625	1588		
AVG.	325	3176		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	414	419		
PULL #2	417	418		
PULL #3	417	416		
PULL #4	413	412		
PULL #5	417	415		
TOTAL	2078	2080		
AVG.	4156	416		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225207
13 Apr 1989

CENTROIDAL DISTANCES

0	TO	1	.379448
1	TO	2	.301684
1	TO	3	.118562
1	TO	4	.232499
1	TO	5	.166012

+3" <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4118
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0256
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .412595
THE AMR FOR THIS RIFLE IS: .9248

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225287

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 2.909

VS = 2.372

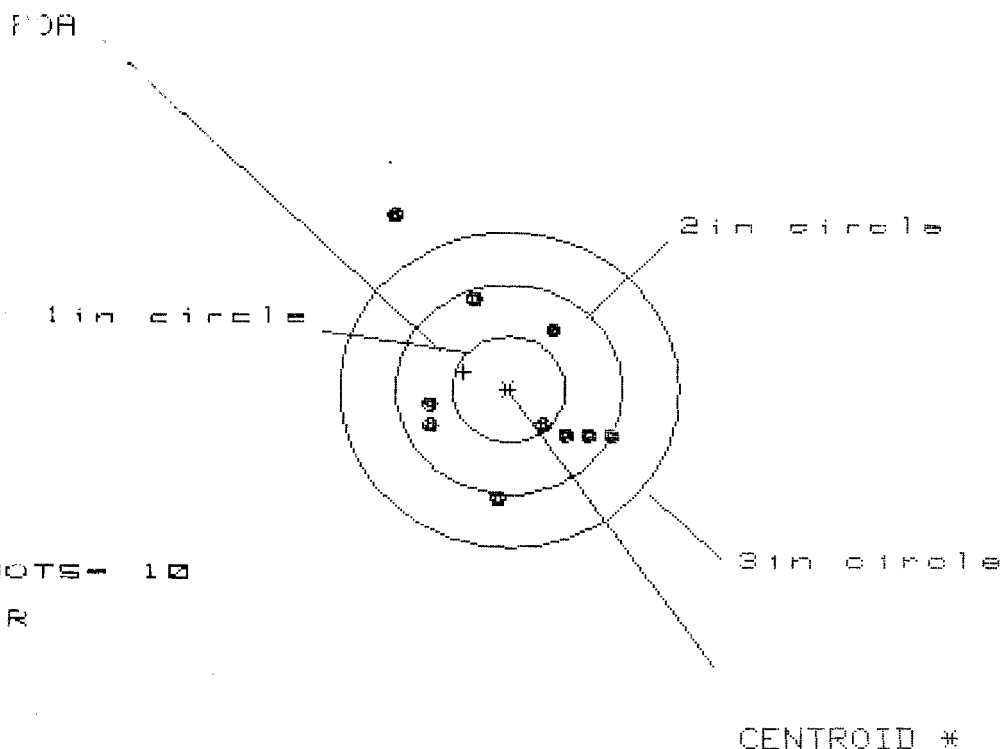
GS = 2.910

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.385	1.215	.749
MINIMUM X	:	-1.524	-.810	-.658
MAXIMUM Y	:	1.278	1.354	1.457
MINIMUM Y	:	-1.093	-1.018	-.915
CENTROID X	:	.355	.525	.373
CENTROID Y	:	.134	.058	-.045
POA TO CENTROID in.	:	.380	.528	.376
MIN RADIUS	:	.101	.108	.205
MEAN RADIUS	:	.908	.792	.699
MAX RADIUS	:	1.669	1.578	1.599
HORIZONTAL SPREAD	:	2.909	2.025	1.407
VERTICAL SPREAD	:	2.372	2.372	2.372
EXTREME SPREAD	:	2.910	2.758	2.758
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Apr 1999

FILE:/PATTERNING/CENTERFIRE_PATT/C6225207

CENTERFIRE PATTERNS # 2



* OF SHOTS - 10

IN CIR

1 in = 1

2 in = 9

3 in = 9

HS = 1.906

VS = 2.662

GS = 2.832

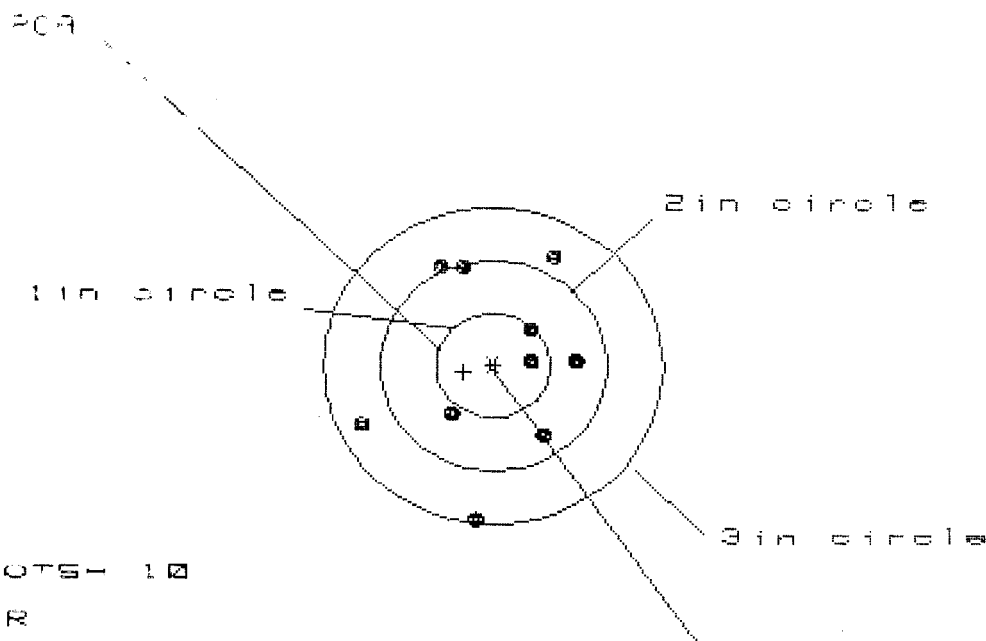
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.901	.789	.765
MINIMUM X	:	-1.005	-.825	-.849
MAXIMUM Y	:	1.667	1.001	.899
MINIMUM Y	:	-.995	-.810	-.344
CENTROID X	:	.402	.514	.538
CENTROID Y	:	-.164	-.349	-.247
POA TO CENTROID in.	:	.434	.621	.592
MIN RADIUS	:	.434	.233	.280
MEAN RADIUS	:	.879	.709	.695
MAX RADIUS	:	1.946	1.068	.983
HORIZONTAL SPREAD	:	1.906	1.614	1.614
VERTICAL SPREAD	:	2.662	1.811	1.244
EXTREME SPREAD	:	2.832	1.820	1.702
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			9	

13 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225207

CENTERFIRE PATTERNS

3



* OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.932

VS= 2.452

GS= 2.559

CENTROID *

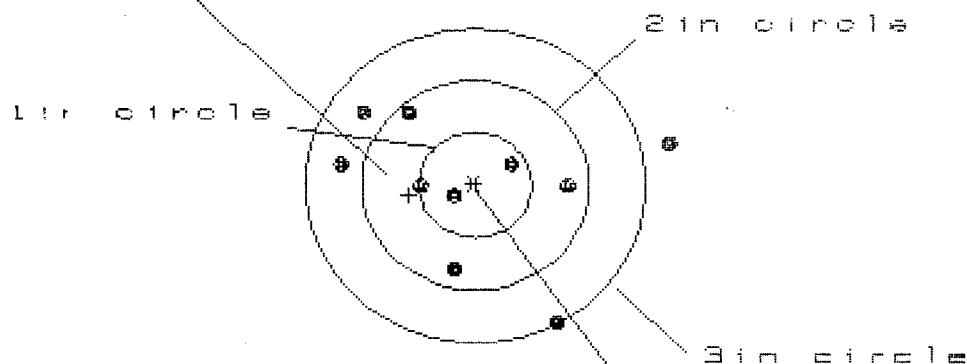
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.727	.710	.557
MINIMUM X	:	-1.205	-1.222	-.627
MAXIMUM Y	:	1.002	.841	.748
MINIMUM Y	:	-1.450	-.809	-.903
CENTROID X	:	.264	.281	.434
CENTROID Y	:	.058	.219	.313
POA TO CENTROID in.	:	.271	.356	.535
MIN RADIUS	:	.335	.359	.195
MEAN RADIUS	:	.882	.802	.685
MAX RADIUS	:	1.457	1.433	.938
HORIZONTAL SPREAD	:	1.932	1.932	1.184
VERTICAL SPREAD	:	2.452	1.650	1.650
EXTREME SPREAD	:	2.559	2.393	1.785
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225287

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.843

VS= 1.968

GS= 2.850

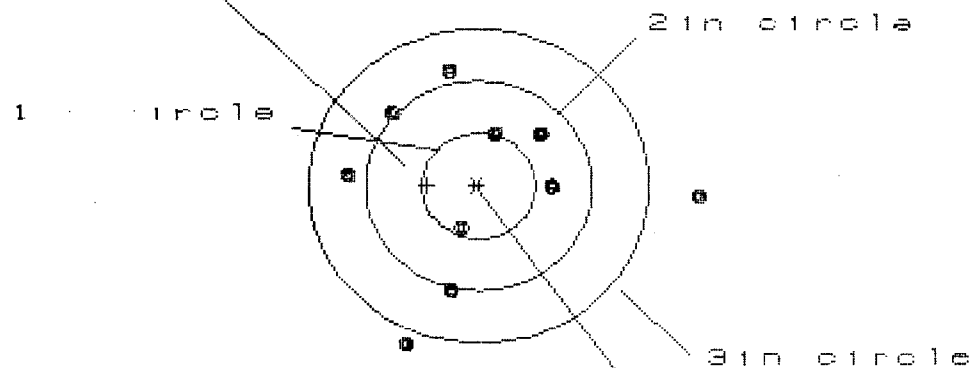
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.702	1.000	1.109
MINIMUM X	:	-1.141	-.951	-.843
MAXIMUM Y	:	.681	.724	.568
MINIMUM Y	:	-1.287	-1.244	-.944
CENTROID X	:	.585	.395	.287
CENTROID Y	:	.100	.057	.213
POA TO CENTROID in.	:	.593	.399	.357
MIN RADIUS	:	.164	.044	.203
MEAN RADIUS	:	.910	.784	.681
MAX RADIUS	:	1.745	1.519	1.112
HORIZONTAL SPREAD	:	2.843	1.951	1.951
VERTICAL SPREAD	:	1.968	1.968	1.512
EXTREME SPREAD	:	2.850	2.568	1.957
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Apr 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6225287

CENTERFIRE PATTERNS # 5



10 SHOTS - 10

1 IN 1 IN

1 IN 1 IN

1 IN 1 IN

1 IN 1 IN

CENTROID *

HS= 3.109

VS= 2.675

GS= 3.114

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.913	.842	.790
MINIMUM X	:	-1.196	-.984	-1.036
MAXIMUM Y	:	1.149	1.143	.951
MINIMUM Y	:	-1.526	-1.532	-1.228
CENTROID X	:	.453	.240	.292
CENTROID Y	:	.000	.006	.198
POA TO CENTROID in.	:	.453	.240	.353
MIN RADIUS	:	.439	.402	.455
MEAN RADIUS	:	1.045	.944	.840
MAX RADIUS	:	1.913	1.587	1.231
HORIZONTAL SPREAD	:	3.109	1.826	1.826
VERTICAL SPREAD	:	2.675	2.675	2.179
EXTREME SPREAD	:	3.114	2.704	2.179
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

Remington[®]

MODEL 700TM M24

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

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

SERIAL NO.
C6225207

ORDER NO.
5716

Ø1

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



5716 C6225207

UPC



0 47700 25716 7

Repair Number: **RE00021308** Serial: C6225207 Model 700 Center Fire Caliber: 7.62 NATO M 24 (SWS) Repairman: Status: Closed 1/22/01 10:30:23 AM

Address Information

Customer: Received From: Return To: Received From:

Name: HSC 3/10 SFG (A) HSC 3/10 SFG (A)

Address 1: Address 2: PO Box: PO Box:

City: FORT CARSON FORT CARSON

State: CO Zip Code: 80913 Country: US State: CO Zip Code: 80913 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Far: Condition: Notes: ESR: Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	1
A009	Soft Case	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

1/22/01 3:06 PM CAPS NUM

Start Inb Hag Ar Exl Micr Aas Part Nor SA Sto 3:06 PM

Number: **C6225207**

Model: **700**



RE00021308

BARBER - M24 0010637

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225207
27 Feb 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0046
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1094
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .109497

THE AMR FOR THIS RIFLE IS: .9308

CENTROIDAL DISTANCES

0	TO	1	.288226
1	TO	2	.475405
1	TO	3	.481348
1	TO	4	.675374
1	TO	5	.340969

1
+5 <----POA
32 4

BARBER - M24 0010638

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .288

MIN RADIUS : .140

MEAN RADIUS : .977

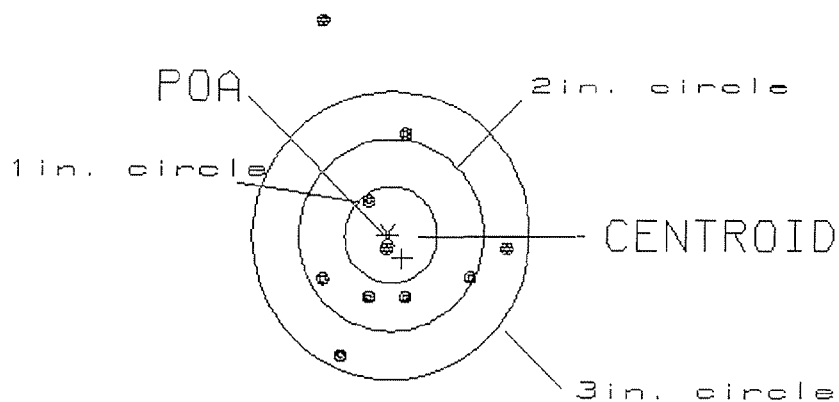
MAX RADIUS : 2.360

CENTROID X : -.155

CENTROID Y : .243

27 Feb 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/c6225207

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 2.00

2

US= 3.52

6

GS= 3.52

9

BARBER - M24 0010639

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .215

MIN RADIUS : .467

MEAN RADIUS : 1.098

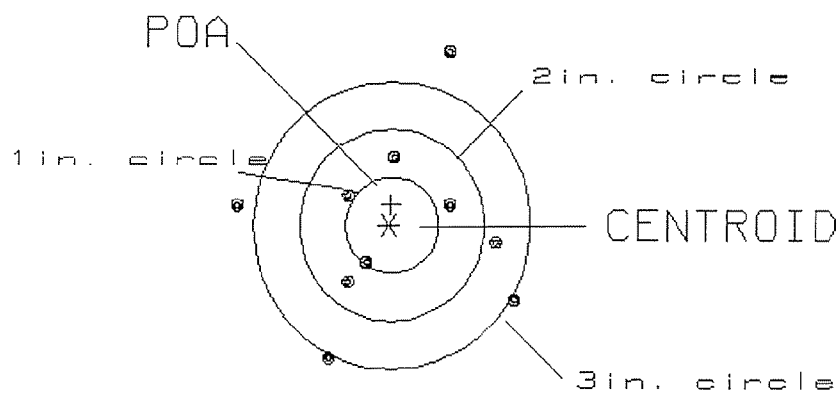
MAX RADIUS : 1.868

CENTROID X : -.024

CENTROID Y : -.214

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225207

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 3.03

1

VS= 3.11

5

GS= 3.36

6

BARBER - M24 0010640

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .265

MIN RADIUS : .420

MEAN RADIUS : 1.116

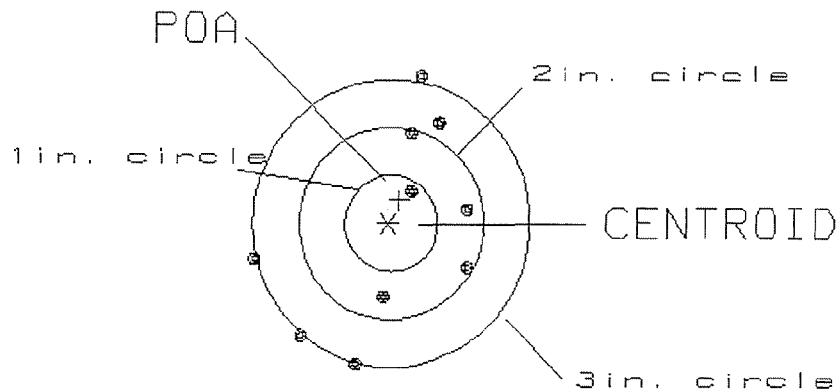
MAX RADIUS : 1.585

CENTROID X : -.119

CENTROID Y : -.237

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225207

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 2.32

1

VS= 2.96

4

GS= 3.05

8

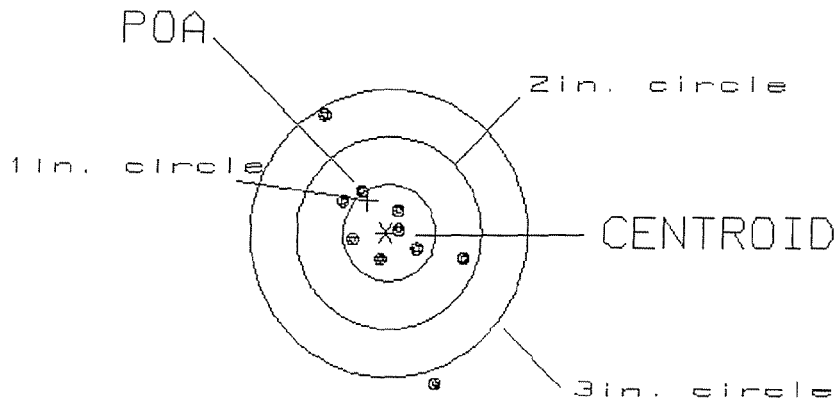
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .387
 MIN RADIUS : .107
 MEAN RADIUS : .652
 MAX RADIUS : 1.679
 CENTROID X : .196
 CENTROID Y : -.334

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225207

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.53
 VS= 2.85
 GS= 3.09

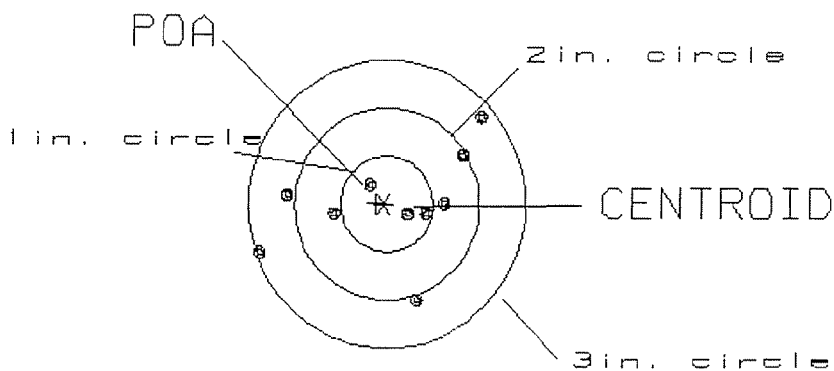
5
 8
 9

PATTERN #: 5
 POA TO CENTROID: .080
 MIN RADIUS : .204
 MEAN RADIUS : .811
 MAX RADIUS : 1.500
 CENTROID X : .079
 CENTROID Y : -.005

27 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225207

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.42

3

VS= 1.88

5

GS= 2.78

10

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

R & E NUMBER <i>21308</i>			
SERIAL NUMBER <i>C-6225207</i>			
LOG-IN DATE <i>1-22-01</i>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	<i>1-27-01</i>	<i>CK</i>
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>1-30-01</i>	<i>CK</i>
605	CHECK HEADSPACE	<i>1-30-01</i>	<i>CK</i>
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	<i>2-7-01</i>	<i>CK</i>
655	FINAL INSPECT	<i>2-12-01</i>	<i>CK</i>
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

S/N: C-6025207

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