

G684 8388
Replaces
E670 3454

Repair Inquiry																		
Repair Number: RE00161968	Serial: E6703454 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman: _____	Status: Closed 2/13/2009 8:07:18 AM															
Address Information																		
Customer: _____ ☒ Received From		Return To: _____ ☒ Received From																
Name: FB4830 TMO 23RD LRS LGRDDC		FB4830 TMO 23RD LRS LGRDDC																
Address 1: 4380D ALABAMA ROAD		4380D ALABAMA ROAD																
Address 2: _____ PO Box: _____		_____ PO Box: _____																
City: MOODY AFB		MOODY AFB																
State: GA Zip Code: 31699 Country: US		State: GA Zip Code: 31699 Country: US																
FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐																		
Contact / Condition	Problems	Estimate	History / Status															
Contact Information Phone: _____ Fax: _____ Email: _____ Comments: Received Condition Poor Condition Notes: CSR Notes: Accessories Received <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Code</th> <th style="width: 70%;">Desc</th> <th style="width: 20%;">Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>2</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Frt and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>				Code	Desc	Qty	A007	With Stud	2	A010	Hard Case	1	A017	Scope Base	1	A057	Frt and Rear Sgt Base	1
Code	Desc	Qty																
A007	With Stud	2																
A010	Hard Case	1																
A017	Scope Base	1																
A057	Frt and Rear Sgt Base	1																
Repair Search Refresh Close																		

G 6848388

Serial Number: **E6703454**

Model: M24 SWS



RE00161968

GUN SERIAL #

66848388 for E6703454

OP #	OPERATION NAME	READINGS	DATE	INITIAL
420	ASSEMBLE ACTION		4-3-09	SPD
430	ASSEMBLE TO STOCK		4-3-09	SP
440	PROOF		4-3-09	SPD
460	CHECK HEADSPACE		4-3-09	SPD
470	DIS-ASSEMBLE ACTION		4-3-09	SPD
472	SERIALIZE BOLT HANDLE	MAGNA - FLUX	4-6-09	LIZ
475	DRILL AND TAP SIGHT HOLES		4-6-09	SP
480	MAGNAFLUX BBL ACTION	OPERATOR	4/8/09	HS
490	MAGNAFLUX BOLT			
500	ROLLMARK CALIBER		4/8/09	RT
520	GOFF BLAST BBL / REC		4-8	BT
542	APPLY COATINGS (BARREL ACTION)		4-13	
545	(BOLT)			
560	RE-ASSEMBLE ACTION			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		4-13-09	SP
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		4-13-09	SP
	C) INSPECT EJECTOR HOLE FOR CHAMFER		4-13-09	SP
	D) OIL FIRING PIN ASSEMBLY			
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

F004 REV 5/2006

560	BARBER - M24 00547892 LBS MIN F) SAFETY ON FORCE 10 LBS MAX	<u>40</u>	<u>40</u>	<u>40</u>	5-11-09	LN
CONT.						
	G) SAFETY OFF FORCE 2 LBS MIN	<u>50</u>	<u>50</u>	<u>50</u>	5-11-09	LN
	H) TRIGGER PULL TEST AND RETAINABILITY					
	I) FIRING PIN INDENT .020 MIN	<u>.022</u>	<u>.022</u>	<u>.022</u>	5-11-09	LN
	J) ASSEMBLE STOCK					
	K) ASSEMBLE SWIVEL STUDS					
	L) ATTACH FRONT AND REAR SIGHT ASSY'S					
	M) IRON SIGHT ALIGNMENT					
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER					
640 & 650	FUNCTION TEST AND TARGET	PASS	FAIL			
		PASS	FAIL	5-6-09	3/2	
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION	N/A			
	MALFUNCTION	CORRECTION				
	MALFUNCTION	CORRECTION				
660	INSPECT FOR LIVE AMMO				5-6-09	TAR
670	FINAL INSPECTION A) HEADSPACE				5-11-09	LN
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.56</u>	<u>2.60</u>	<u>2.63</u>	<u>2.59</u>	<u>2.47</u>
					5-7-09	LN
	C) FUNCTION				5-11-09	LN
690	PACK				5/15/09	FM

F004 REV 5/2006

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6848388.___0
FILE DATE AND TIME: 05/06/2009 14:45

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.213
The Average Point of Impact of the Five Target Set:	0.214
The Average Mean Radius of the Five Target Set:	0.670
The Distance from POA to Centroid Target #1:	0.239
The Distance from Centroid Target #2 to Centroid Target #1:	0.209
The Distance from Centroid Target #3 to Centroid Target #1:	0.230
The Distance from Centroid Target #4 to Centroid Target #1:	0.094
The Distance from Centroid Target #5 to Centroid Target #1:	0.097

BARBER - M24 0054791

SERIAL NUMBER: G6848388. __0

TARGET NUMBER: 2

FILE DATE: 05/06/2009

FILE TIME: 14:45

POINT#	X	Y
1:	-0.145	0.197
2:	-0.161	0.559
3:	-0.452	0.356
4:	0.246	0.651
5:	0.512	0.123
6:	0.645	0.496
7:	-0.329	-0.192
8:	-0.358	-0.774
9:	0.385	-0.707
10:	0.784	-1.370

X CENTROID: 0.113

Y CENTROID: -0.066

POA TO CENTROID: 0.131

HORZ SPREAD: 1.236

VERT SPREAD: 2.021

GROUP SPREAD: 2.148

MIN RADIUS: 0.368

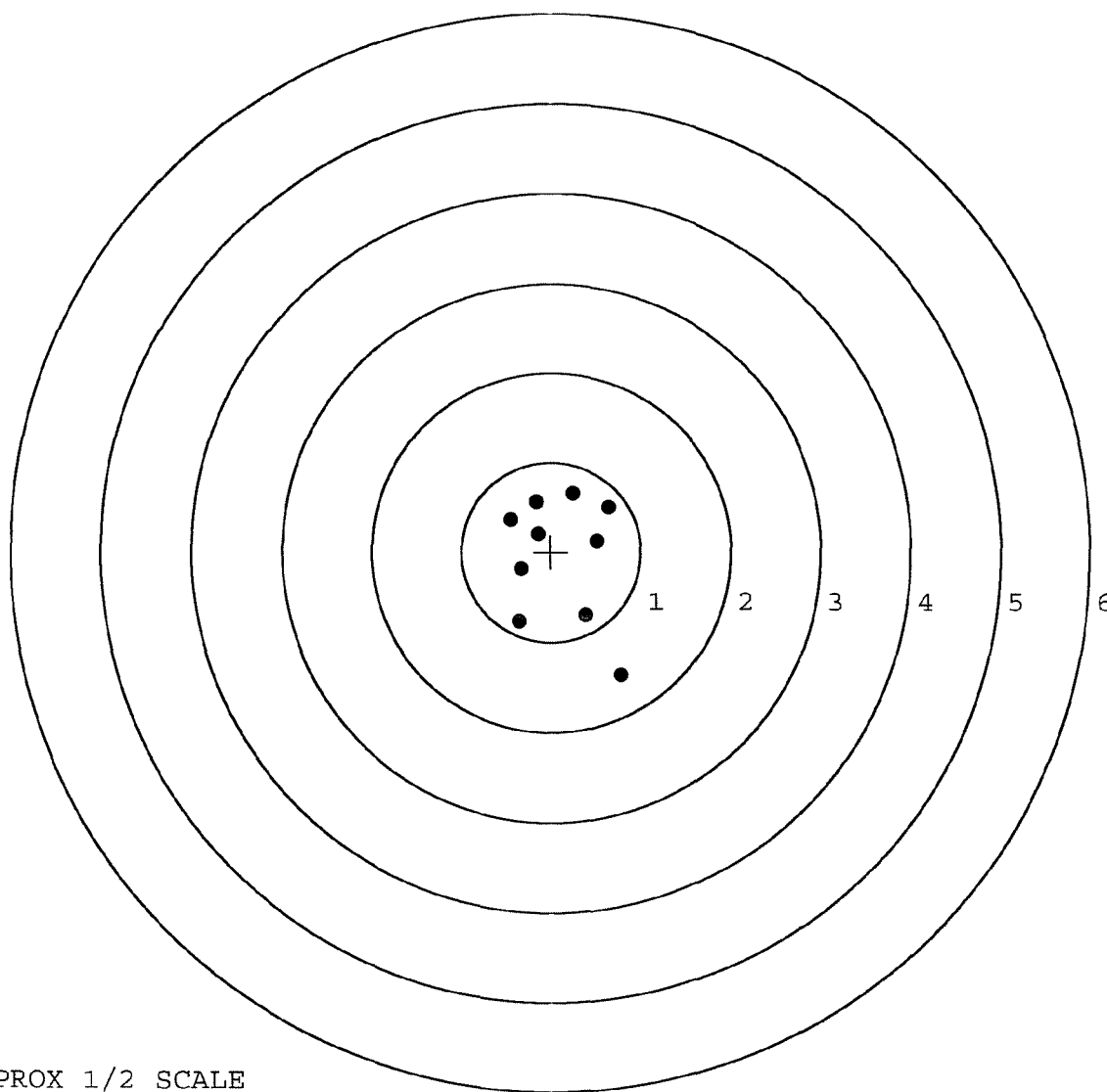
MAX RADIUS: 1.467

MEAN RADIUS: 0.717

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0054792

SERIAL NUMBER: G6848388. 0

TARGET NUMBER: 3

FILE DATE: 05/06/2009

FILE TIME: 14:45

POINT#	X	Y
1:	0.244	0.433
2:	-0.034	0.397
3:	-0.472	0.535
4:	0.533	-0.419
5:	0.143	-0.554
6:	0.217	-0.371
7:	-0.361	-0.854
8:	-0.854	-0.477
9:	0.788	-1.850
10:	0.260	-1.473

X CENTROID: 0.046

Y CENTROID: -0.463

POA TO CENTROID: 0.466

HORZ SPREAD: 1.642

VERT SPREAD: 2.385

GROUP SPREAD: 2.697

MIN RADIUS: 0.133

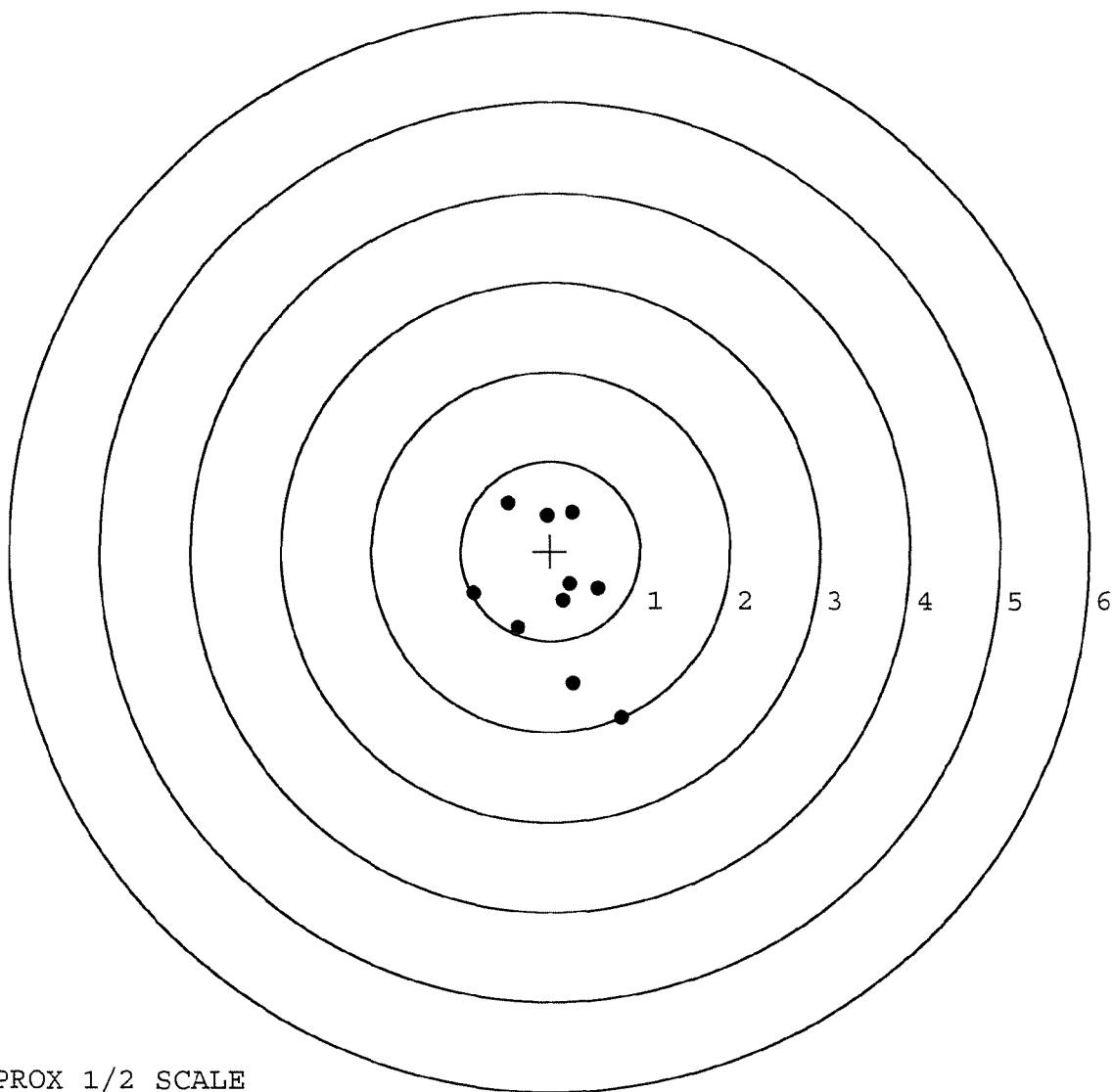
MAX RADIUS: 1.573

MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0054793

SERIAL NUMBER: G6848388. __0

TARGET NUMBER: 4

FILE DATE: 05/06/2009

FILE TIME: 14:45

POINT#	X	Y
1:	0.614	-0.061
2:	0.210	-0.020
3:	0.021	0.229
4:	-0.336	0.303
5:	-0.437	-0.072
6:	-0.095	-0.330
7:	-0.378	-0.267
8:	-0.115	-0.030
9:	-0.211	-0.699
10:	0.542	-0.516

X CENTROID: -0.019

Y CENTROID: -0.146

POA TO CENTROID: 0.147

HORZ SPREAD: 1.051

VERT SPREAD: 1.002

GROUP SPREAD: 1.201

MIN RADIUS: 0.151

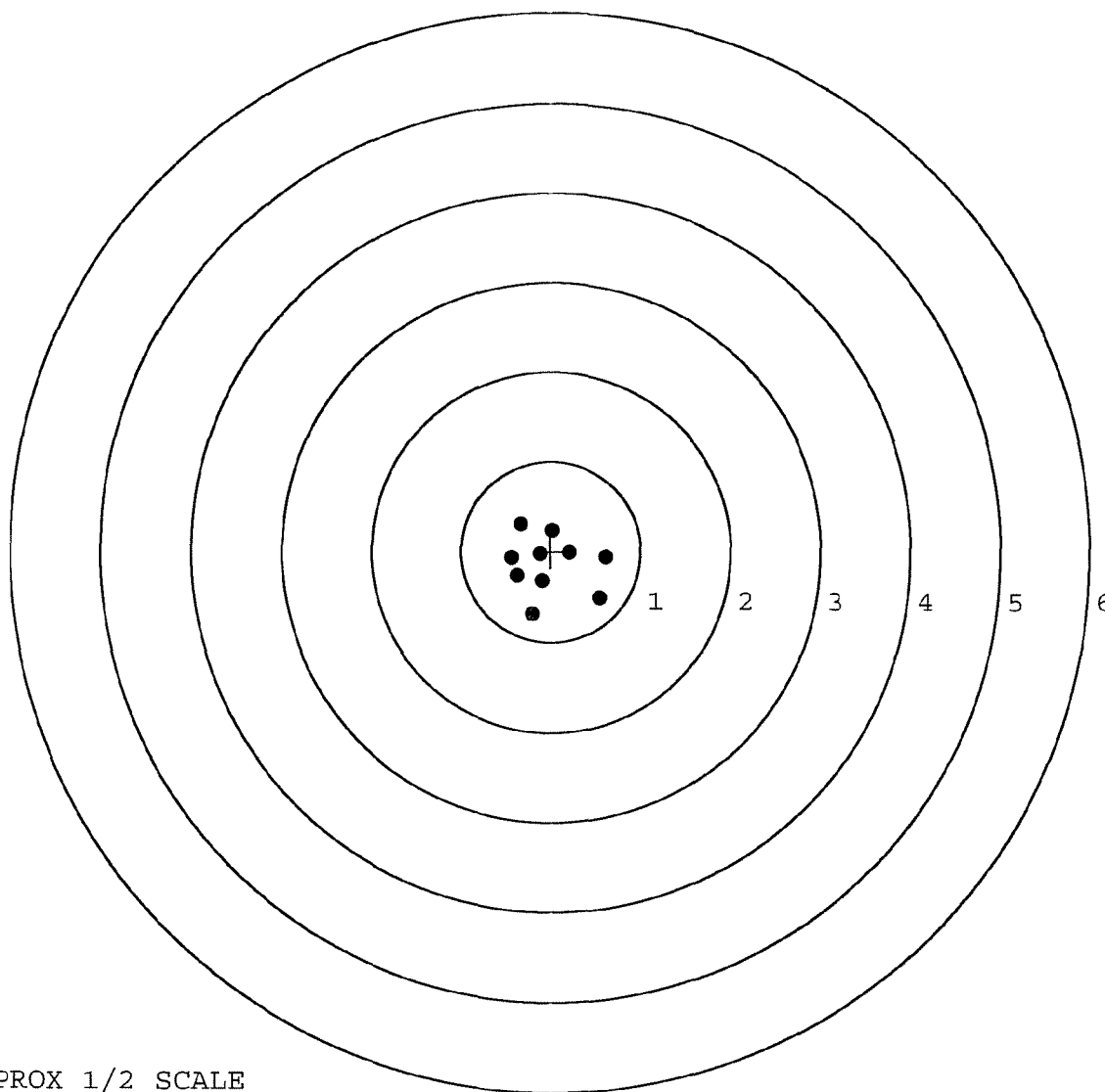
MAX RADIUS: 0.671

MEAN RADIUS: 0.424

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



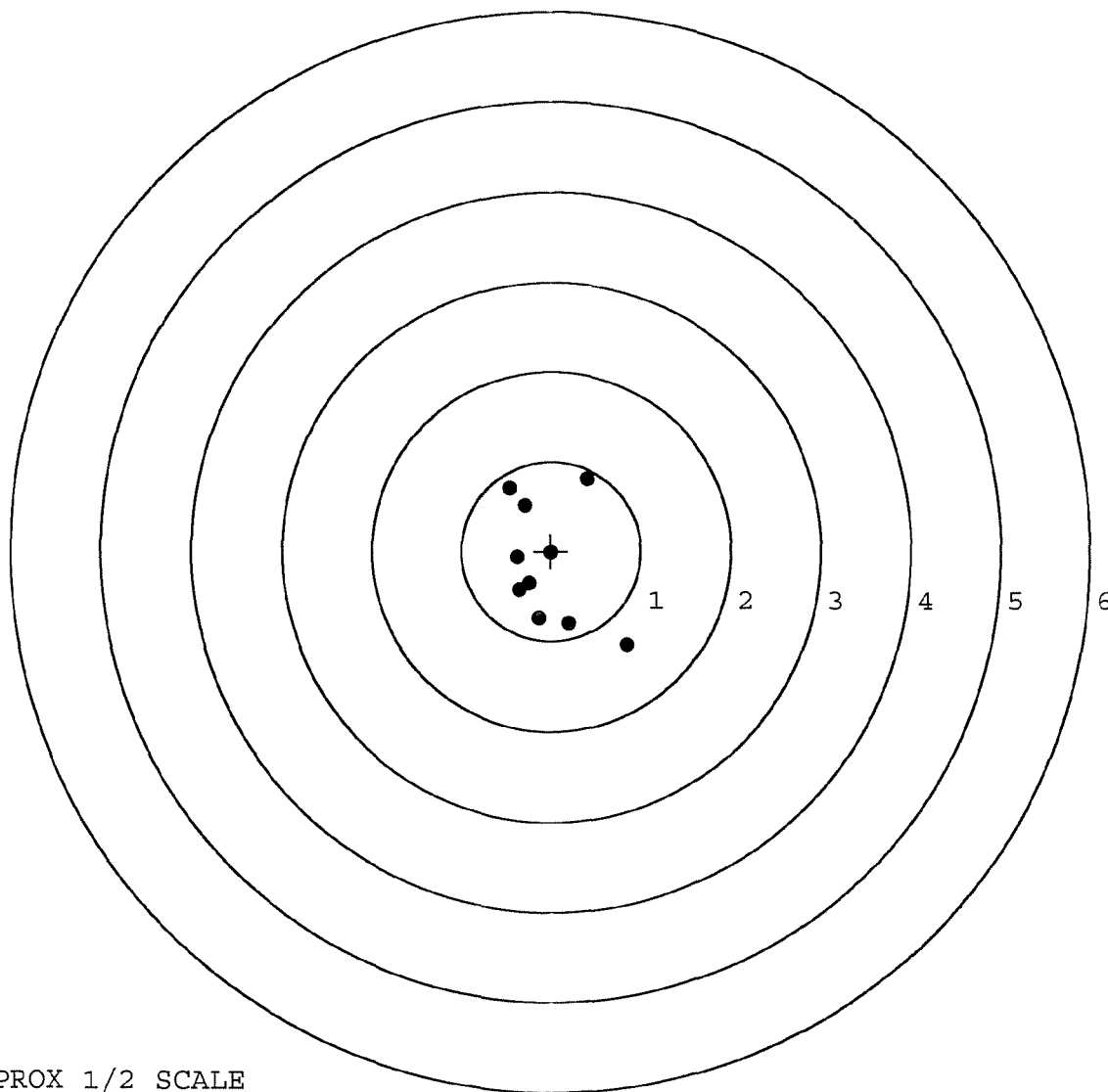
TARGET APPROX 1/2 SCALE

BARBER - M24 0054794

SERIAL NUMBER: G6848388. __0
 TARGET NUMBER: 5
 FILE DATE: 05/06/2009
 FILE TIME: 14:45

POINT#	X	Y
1:	0.844	-1.053
2:	0.199	-0.819
3:	-0.140	-0.757
4:	-0.357	-0.435
5:	-0.376	-0.073
6:	0.000	-0.014
7:	-0.292	0.511
8:	-0.462	0.701
9:	0.400	0.803
10:	-0.242	-0.362

X CENTROID: -0.043
 Y CENTROID: -0.150
 POA TO CENTROID: 0.156
 HORZ SPREAD: 1.306
 VERT SPREAD: 1.856
 GROUP SPREAD: 2.187
 MIN RADIUS: 0.142
 MAX RADIUS: 1.266
 MEAN RADIUS: 0.650
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

MODEL 700[™] M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444

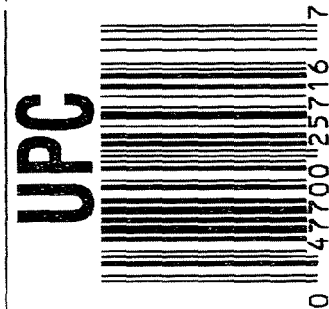


ORDER NO. **25716**

BARREL LENGTH **24"**

CAPACITY **6**

E6703454



Remington®		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ M24 BOLT ACTION CENTERFIRE RIFLE 24" BARREL 7.62 NATO		SERIAL NO. J E6703454	
46		ORDER NO. 25716	
Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee.			
			
5716 E6703454		11CV	

ORDER 25716

MODEL 700TH M24

UPC



ORDER 25716

MODEL 700TH M24

UPC



SERIAL NO.



CONTRACT # DAAE20-01-C-0007

GUN SERIAL #

E6703454

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		3/21/01	CK
600	PROOF		1	1
607	CHECK HEADSPACE		1	1
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT			
615	ROLLMARK CALIBER			
617	DRILL AND TAP SIGHT HOLES		3/22/01	DA
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		3/22/01	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		1	1
	C) INSPECT EJECTOR HOLE FOR CHAMFER		1	1
	D) OIL FIRING PIN ASSEMBLY		4/4/01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		1	CK

OP # OPERATION NAME		READINGS			DATE	INITIAL
625	F) SAFETY ON FORCE	_____	_____	_____		
CONT.	G) SAFETY OFF FORCE	_____	_____	_____		
	H) TRIGGER PULL TEST AND RETAINABILITY					
	I) FIRING PIN INDENT	_____	_____	_____		
	J) ASSEMBLE STOCK				3/22	DBL
	K) ASSEMBLE SWIVEL STUDS					
	L) ATTACH FRONT AND REAR SIGHT ASSY'S					
	M) IRON SIGHT ALIGNMENT					
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER					
640	GALLERY TEST AND TARGET				3-23-01	RW
	A) MALFUNCTIONS				3-23-01	RW
	B) PIERCED PRIMERS				3-23-01	RW
645	INSPECT FOR LIVE AMMO				3-23-01	RW
655	FINAL INSPECTION A) HEADSPACE				3/24/01	RW
	B) TRIGGER PULL	2.40	2.42	2.37 2.35 2.43	3/31/01	DA
	C) FUNCTION					
660	PACK					

BARBER - M24 0054800

 AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

 SERIAL NO. E6703454

 DATE 12-28-00

 TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.72	2.69	2.79	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.67	2.70	2.78	
PULL #3	2.68	2.71	2.66	
PULL #4	2.70	2.70	2.60	
PULL #5	2.65	2.69	2.78	
TOTAL	13.42	13.49	13.61	
AVG.	2.68	2.70	2.72	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.22	3.17	
PULL #2	3.20	3.18	
PULL #3	3.25	3.08	
PULL #4	3.21	3.19	
PULL #5	3.20	3.19	
TOTAL	16.08	15.81	
AVG.	3.22	3.16	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.06		4.02
PULL #2	4.26	4.12		4.26
PULL #3	4.25	4.11		4.21
PULL #4	4.26	4.16		4.16
PULL #5	4.27	4.17		4.24
TOTAL	21.22	20.62		20.89
AVG.	4.24	4.12		4.18

BARBER - M24 0054801

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703454
29 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0798
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0244
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .083447

THE AMR FOR THIS RIFLE IS: 1.149

CENTROIDAL DISTANCES

0	TO	1	.245177
1	TO	2	.232659
1	TO	3	.118004
1	TO	4	.354295
1	TO	5	.276045

$\bar{x}_3$ ⁴/₅ <----POA

BARBER - M24 0054802

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .245

MIN RADIUS : .470

MEAN RADIUS : 1.193

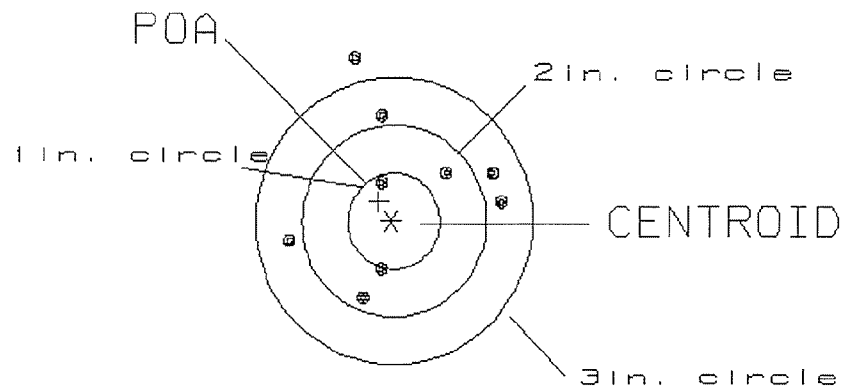
MAX RADIUS : 2.967

CENTROID X : .136

CENTROID Y : -.204

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703454

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 2.30

1

VS= 4.60

4

GS= 4.61

5

BARBER - M24 0054803

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .030

MIN RADIUS : .646

MEAN RADIUS : 1.111

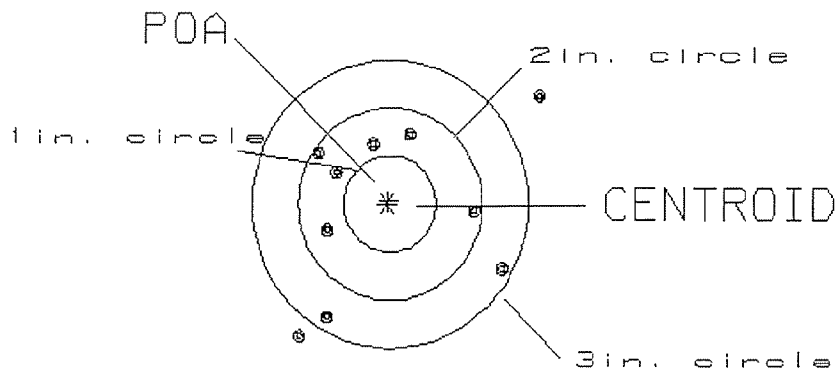
MAX RADIUS : 2.004

CENTROID X : -.015

CENTROID Y : -.027

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703454

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.62

0

VS= 2.54

6

GS= 3.65

8

BARBER - M24 0054804

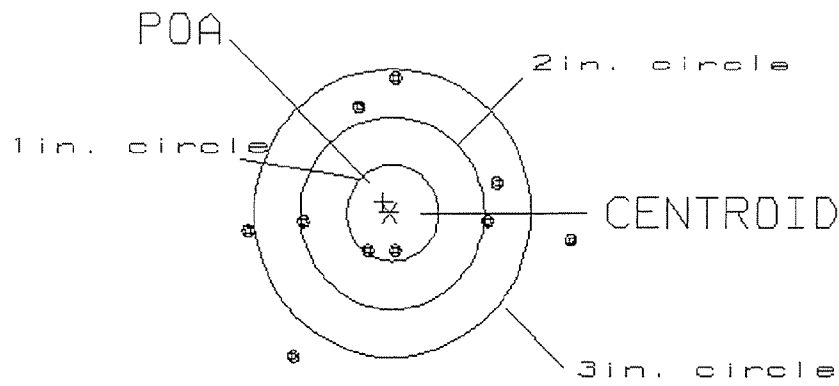
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐
POA TO CENTROID: .127
MIN RADIUS : .415
MEAN RADIUS : 1.204
MAX RADIUS : 1.995
CENTROID X : .066
CENTROID Y : -.109

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703454

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 3.54

2

VS= 2.91

3

GS= 3.54

7

BARBER - M24 0054805

REMINGTON CENTERFIRE ACCURACY TEST

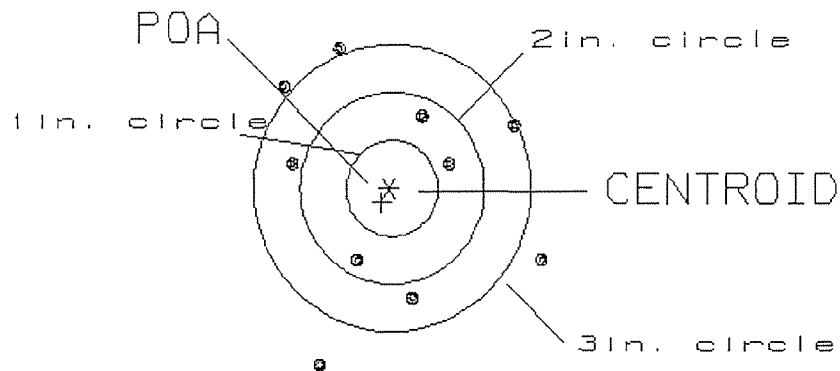
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .167
MIN RADIUS : .663
MEAN RADIUS : 1.320
MAX RADIUS : 1.971
CENTROID X : .081
CENTROID Y : .146

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703454

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.89

0

VS= 3.26

3

GS= 3.42

6

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .150

MIN RADIUS : .319

MEAN RADIUS : .915

MAX RADIUS : 1.917

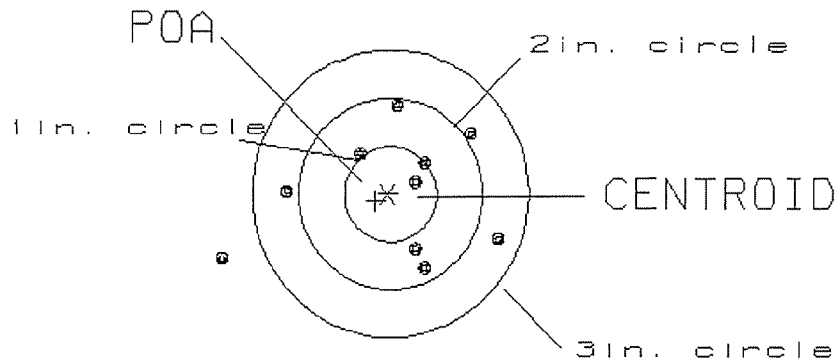
CENTROID X : .131

CENTROID Y : .072

29 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703454

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.93

1

VS= 1.67

6

GS= 3.00

9

BARBER - M24 0054807

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703454
24 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0692
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0368
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0783765

THE AMR FOR THIS RIFLE IS: 1.293

CENTROIDAL DISTANCES

0 TO	1	.68174
1 TO	2	.738028
1 TO	3	.777047
1 TO	4	.859561
1 TO	5	.761814

4 35
2+ <----POA

1

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .681

MIN RADIUS : .767

MEAN RADIUS : 1.721

MAX RADIUS : 3.808

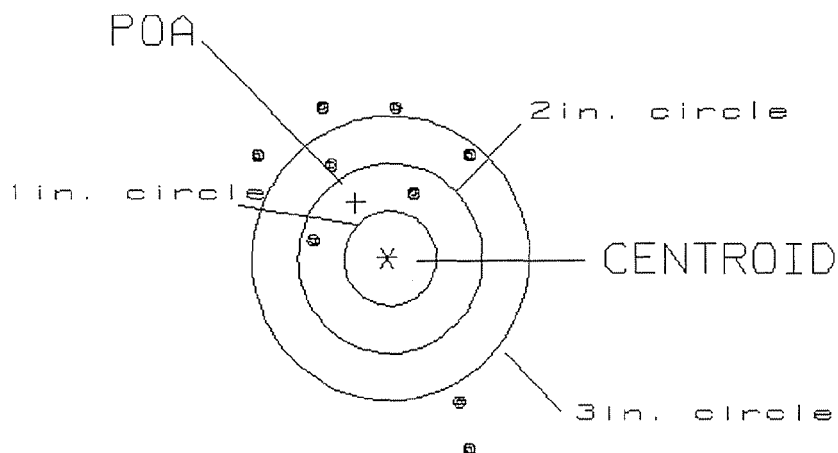
CENTROID X : .345

CENTROID Y : -.588

24 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6073454

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.37

0

VS= 5.34

2

GS= 5.56

4

BARBER - M24 0054809

REMINGTON CENTERFIRE ACCURACY TEST

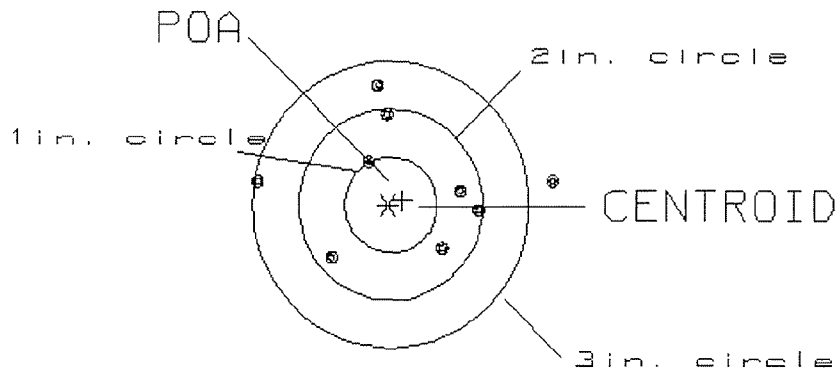
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .164
 MIN RADIUS : .526
 MEAN RADIUS : 1.204
 MAX RADIUS : 2.744
 CENTROID X : -.157
 CENTROID Y : -.047

24 Mar 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6073454

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.31
 VS= 3.53
 GS= 4.15

0
 6
 4

BARBER - M24 0054810

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3

POA TO CENTROID: .160

MIN RADIUS : .315

MEAN RADIUS : 1.202

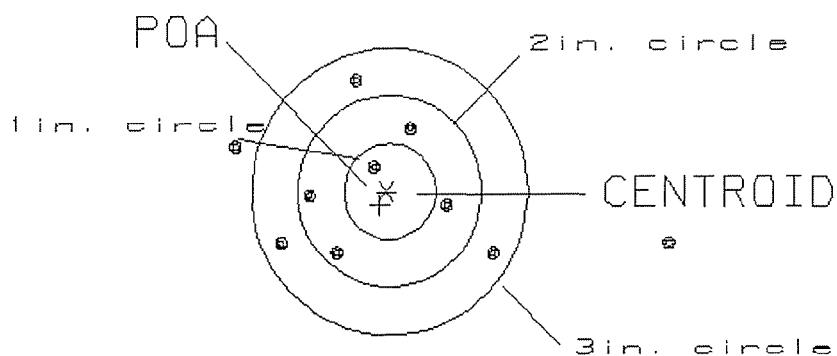
MAX RADIUS : 3.029

CENTROID X : .076

CENTROID Y : .141

24 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6073454

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 4.70

1

VS= 1.76

5

GS= 4.81

8

BARBER - M24 0054811

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .178

MIN RADIUS : .349

MEAN RADIUS : 1.112

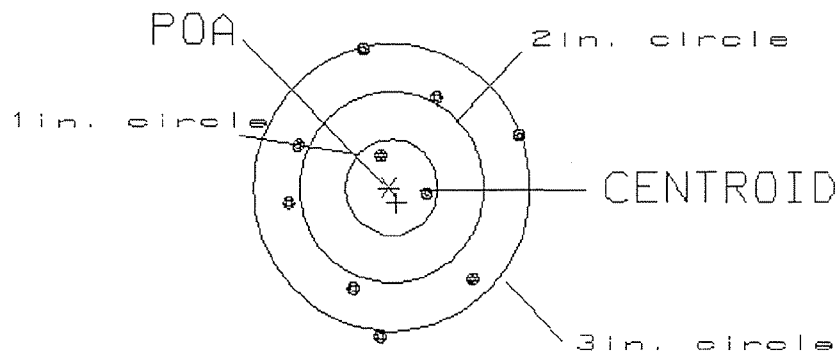
MAX RADIUS : 1.602

CENTROID X : -.082

CENTROID Y : .158

24 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6073454

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.42

2

VS= 3.00

2

GS= 3.00

8

BARBER - M24 0054812

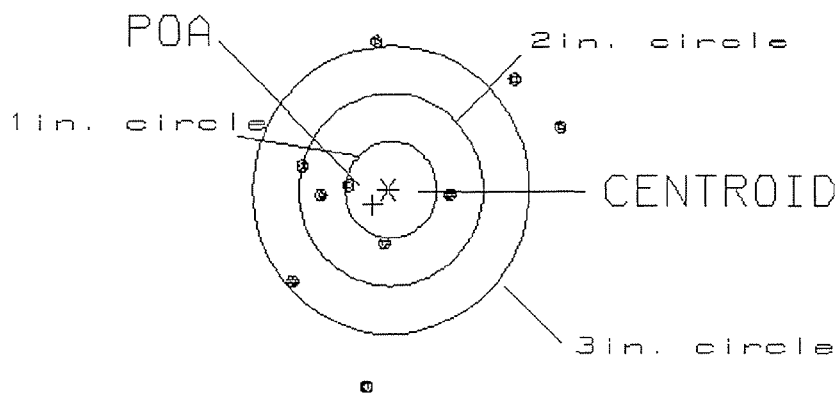
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐
POA TO CENTROID: .223
MIN RADIUS : .509
MEAN RADIUS : 1.226
MAX RADIUS : 2.086
CENTROID X : .164
CENTROID Y : .152

24 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6073454

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.92

0

VS= 3.62

4

GS= 3.62

6