

G6577218
Ref 10000
E 670 3489

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00113199**

Serial: E6703489 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Verify Repair

Status:

Closed 6/5/2006 1:21:50 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: NATIONAL GUARD MARKSMANSHIP TNG UNIT

NATIONAL GUARD MARKSMANSHIP TNG UNIT

Address 1: BLDG 4900 CAMP J T ROBINSON

BLDG 4900 CAMP J T ROBINSON

Address 2: ATTN TSGT SEAN WALLACE

PO Box:

ATTN TSGT SEAN WALLACE

PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR

Zip Code: 72199

Country: US

State: AR

Zip Code: 72199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

6/6/2006

7:37 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...



7:37 AM

G6577218

Serial Number: **E6703489**

Model: **M24 SWS**



RE00113199

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577218.___0
FILE DATE AND TIME: 07/14/2006 08:39

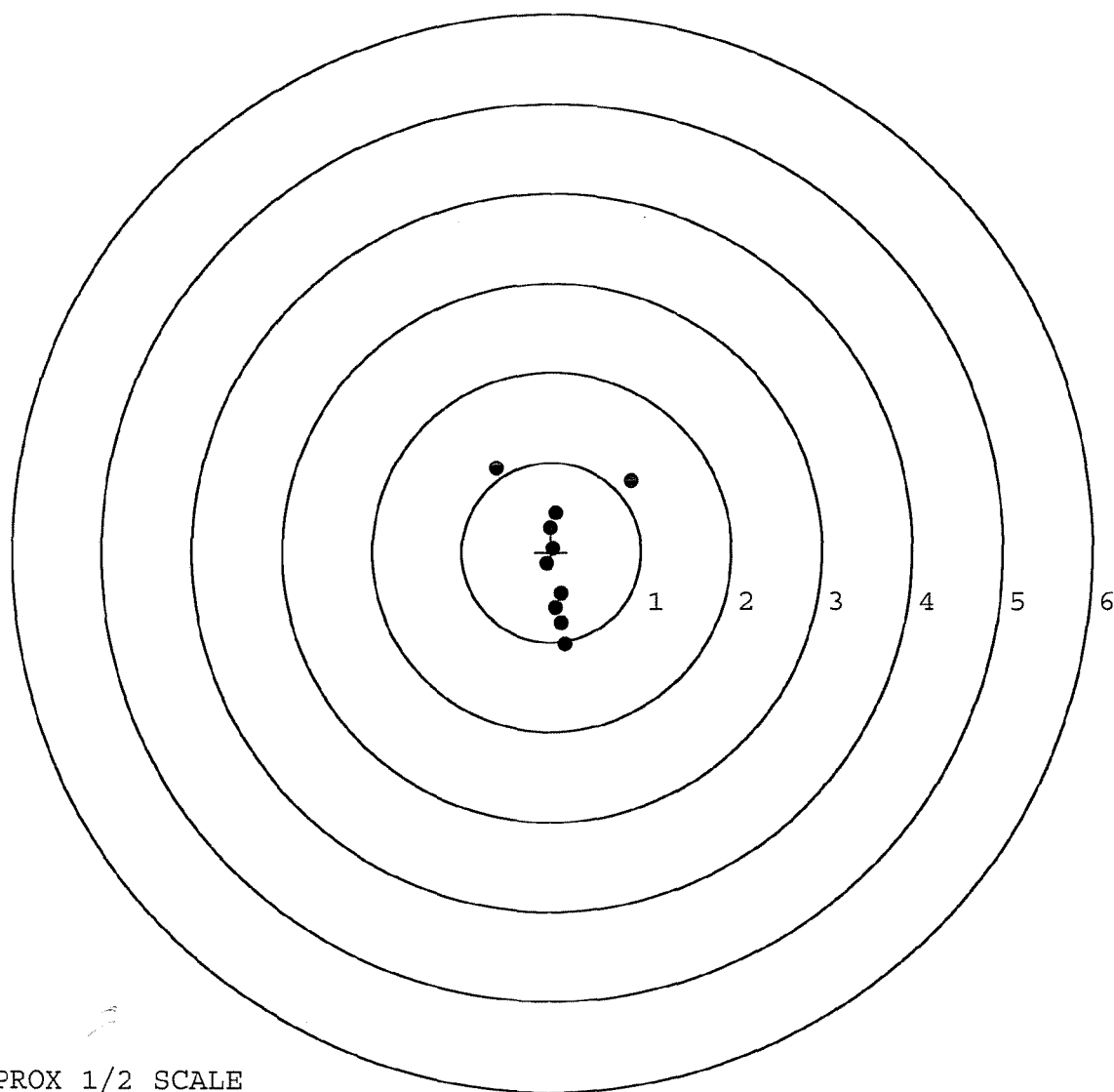
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.047
The Average Y Centroid of the Five Target Set:	-0.095
The Average Point of Impact of the Five Target Set:	0.106
The Average Mean Radius of the Five Target Set:	0.657
The Distance from POA to Centroid Target #1:	0.093
The Distance from Centroid Target #2 to Centroid Target #1:	0.220
The Distance from Centroid Target #3 to Centroid Target #1:	0.077
The Distance from Centroid Target #4 to Centroid Target #1:	0.131
The Distance from Centroid Target #5 to Centroid Target #1:	0.167

SERIAL NUMBER: G6577218. __0
TARGET NUMBER: 1
FILE DATE: 07/14/2006
FILE TIME: 08:39

POINT#	X	Y
1:	0.893	0.795
2:	-0.620	0.933
3:	0.162	-1.031
4:	0.126	-0.799
5:	0.050	-0.622
6:	0.114	-0.460
7:	-0.050	-0.127
8:	0.021	0.042
9:	-0.009	0.268
10:	0.049	0.440

X CENTROID: 0.074
Y CENTROID: -0.056
POA TO CENTROID: 0.093
HORZ SPREAD: 1.513
VERT SPREAD: 1.964
GROUP SPREAD: 2.114
MIN RADIUS: 0.111
MAX RADIUS: 1.208
MEAN RADIUS: 0.617
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

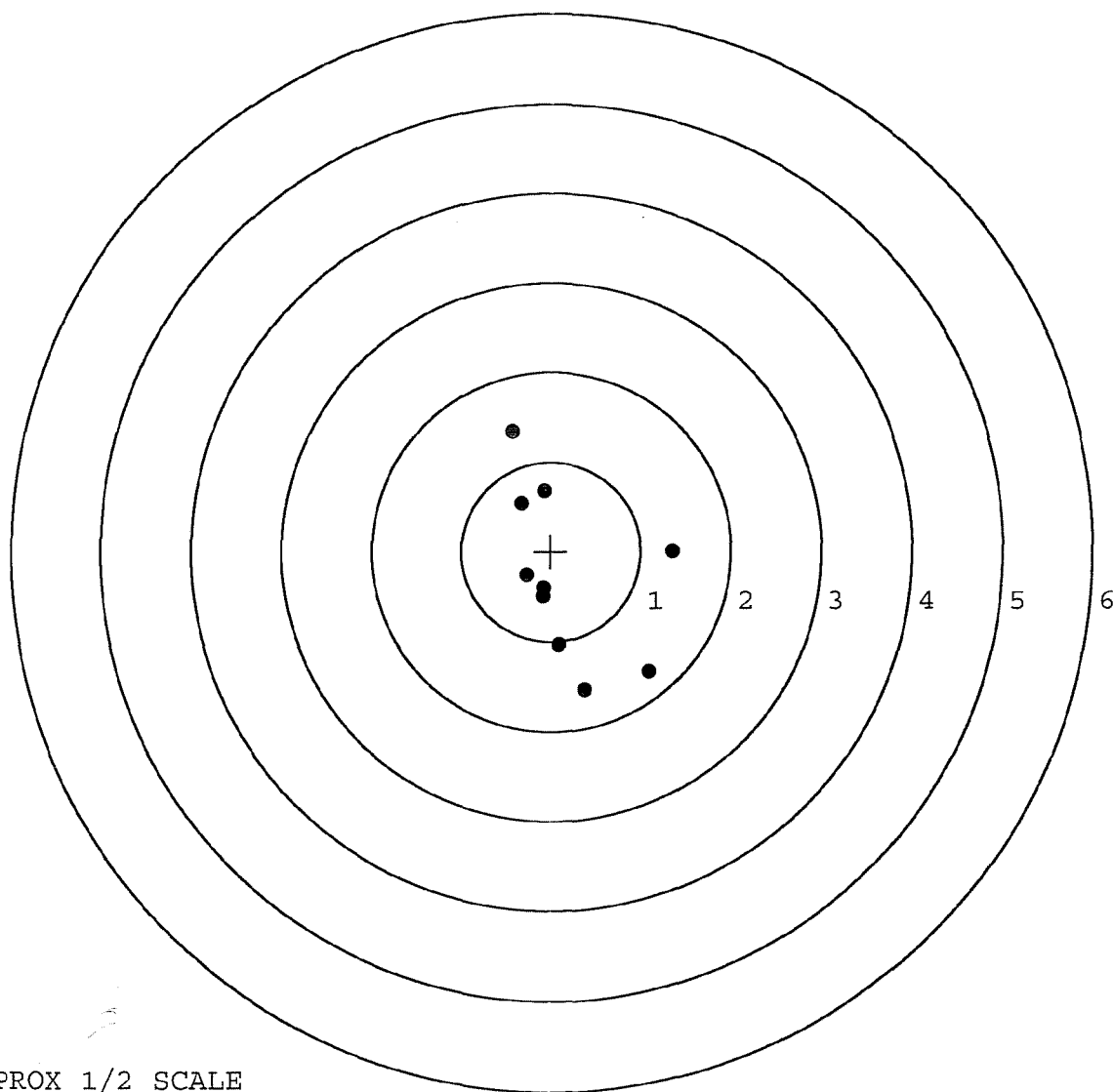


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577218. __0
TARGET NUMBER: 2
FILE DATE: 07/14/2006
FILE TIME: 08:39

POINT#	X	Y
1:	1.100	-1.340
2:	1.355	0.000
3:	-0.435	1.339
4:	-0.075	0.675
5:	-0.331	0.539
6:	-0.271	-0.273
7:	-0.091	-0.510
8:	0.095	-1.044
9:	0.382	-1.539
10:	-0.086	-0.415

X CENTROID: 0.164
Y CENTROID: -0.257
POA TO CENTROID: 0.305
HORZ SPREAD: 1.790
VERT SPREAD: 2.878
GROUP SPREAD: 3.088
MIN RADIUS: 0.296
MAX RADIUS: 1.705
MEAN RADIUS: 0.944
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

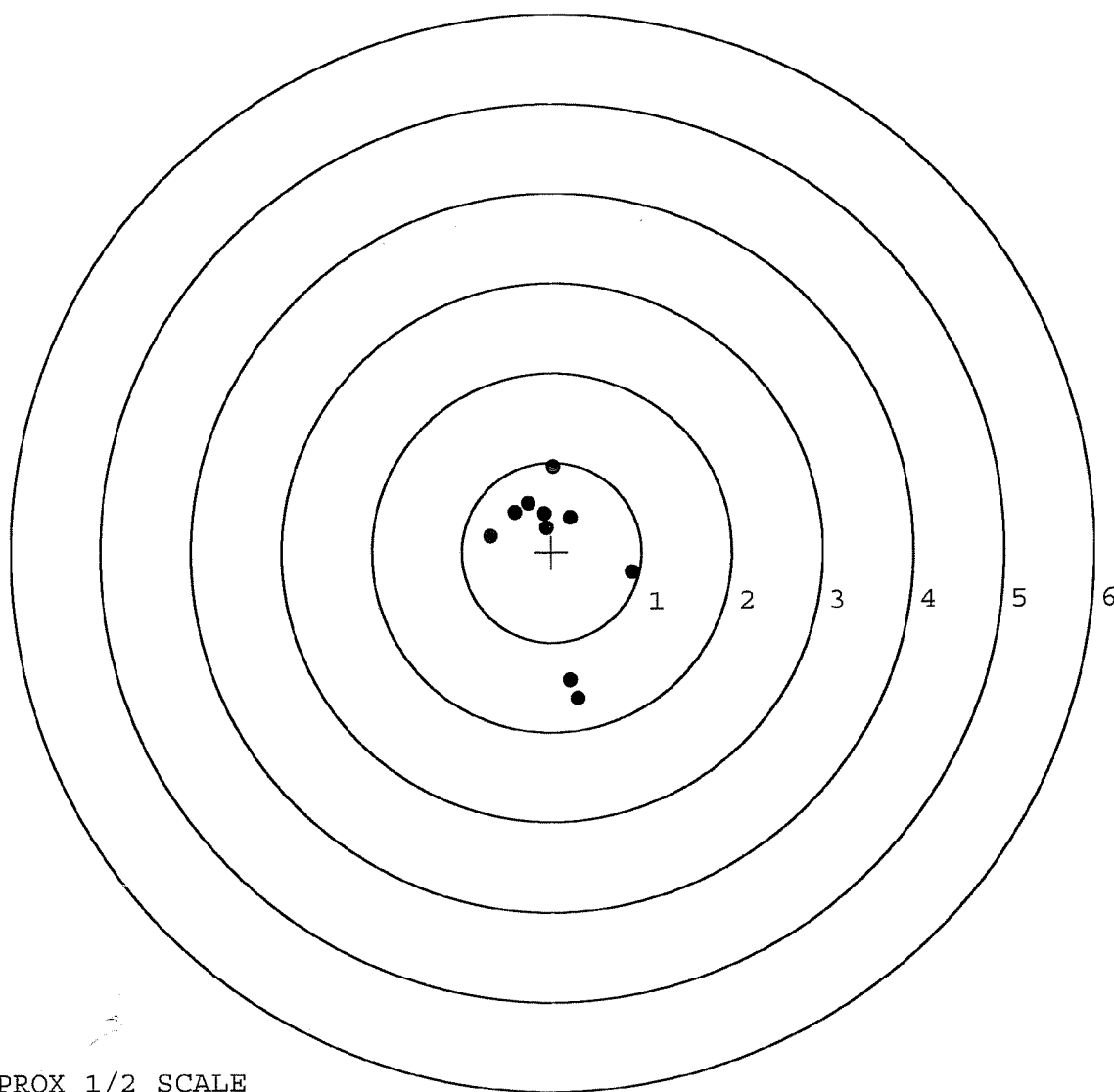


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577218. __0
TARGET NUMBER: 3
FILE DATE: 07/14/2006
FILE TIME: 08:39

POINT#	X	Y
1:	0.896	-0.231
2:	0.204	-1.421
3:	0.293	-1.631
4:	0.022	0.952
5:	-0.683	0.177
6:	-0.412	0.442
7:	-0.264	0.546
8:	-0.081	0.433
9:	0.213	0.384
10:	-0.055	0.269

X CENTROID: 0.013
Y CENTROID: -0.008
POA TO CENTROID: 0.016
HORZ SPREAD: 1.579
VERT SPREAD: 2.583
GROUP SPREAD: 2.597
MIN RADIUS: 0.285
MAX RADIUS: 1.647
MEAN RADIUS: 0.808
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

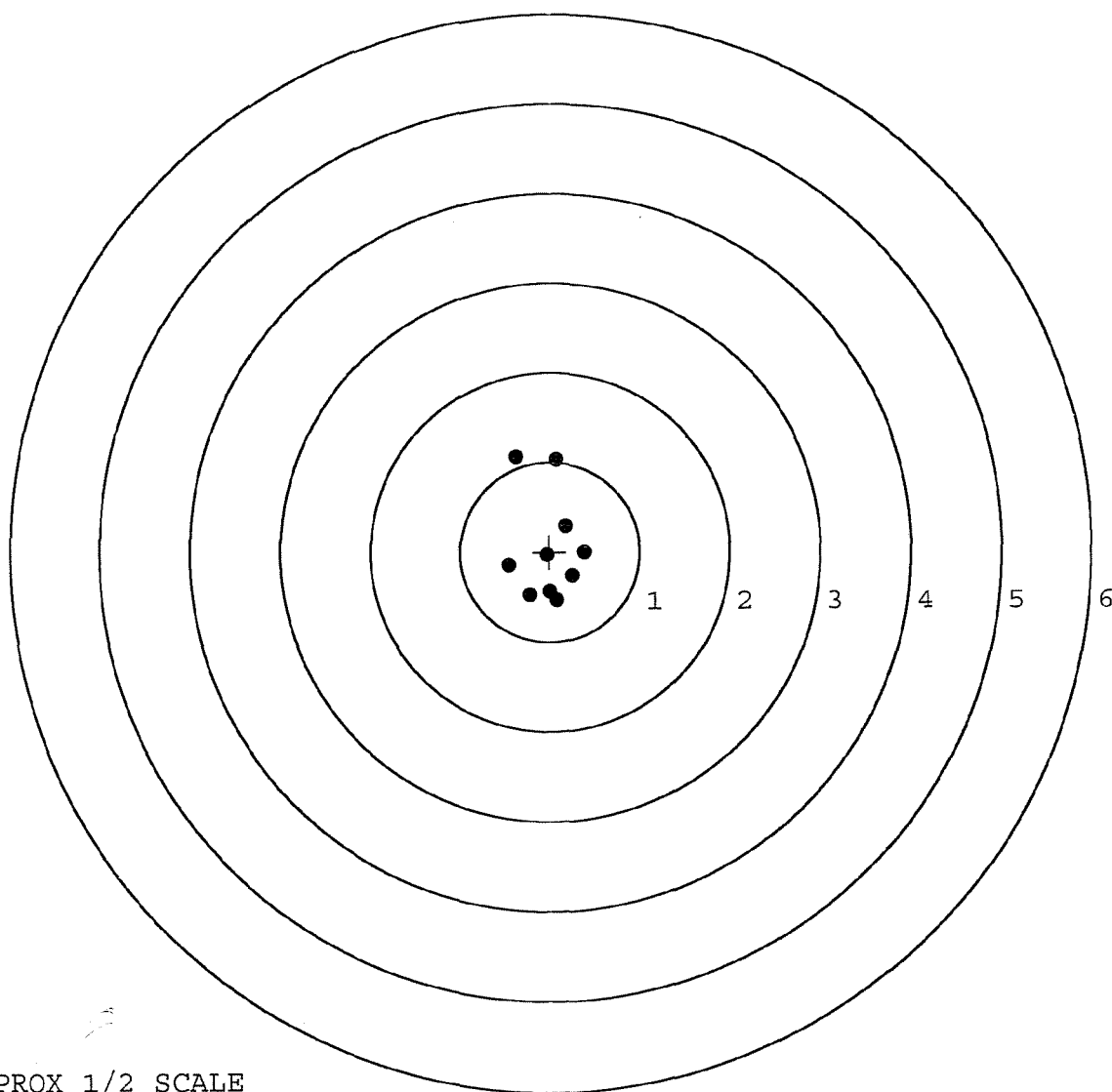


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577218. __0
TARGET NUMBER: 4
FILE DATE: 07/14/2006
FILE TIME: 08:39

X CENTROID: -0.009
Y CENTROID: 0.045
POA TO CENTROID: 0.046
HORZ SPREAD: 0.850
VERT SPREAD: 1.595
GROUP SPREAD: 1.661
MIN RADIUS: 0.081
MAX RADIUS: 1.075
MEAN RADIUS: 0.540
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.076	1.024
2:	-0.380	1.054
3:	-0.458	-0.152
4:	0.179	0.293
5:	-0.027	-0.034
6:	0.392	-0.006
7:	0.258	-0.263
8:	0.083	-0.541
9:	-0.222	-0.481
10:	0.006	-0.440

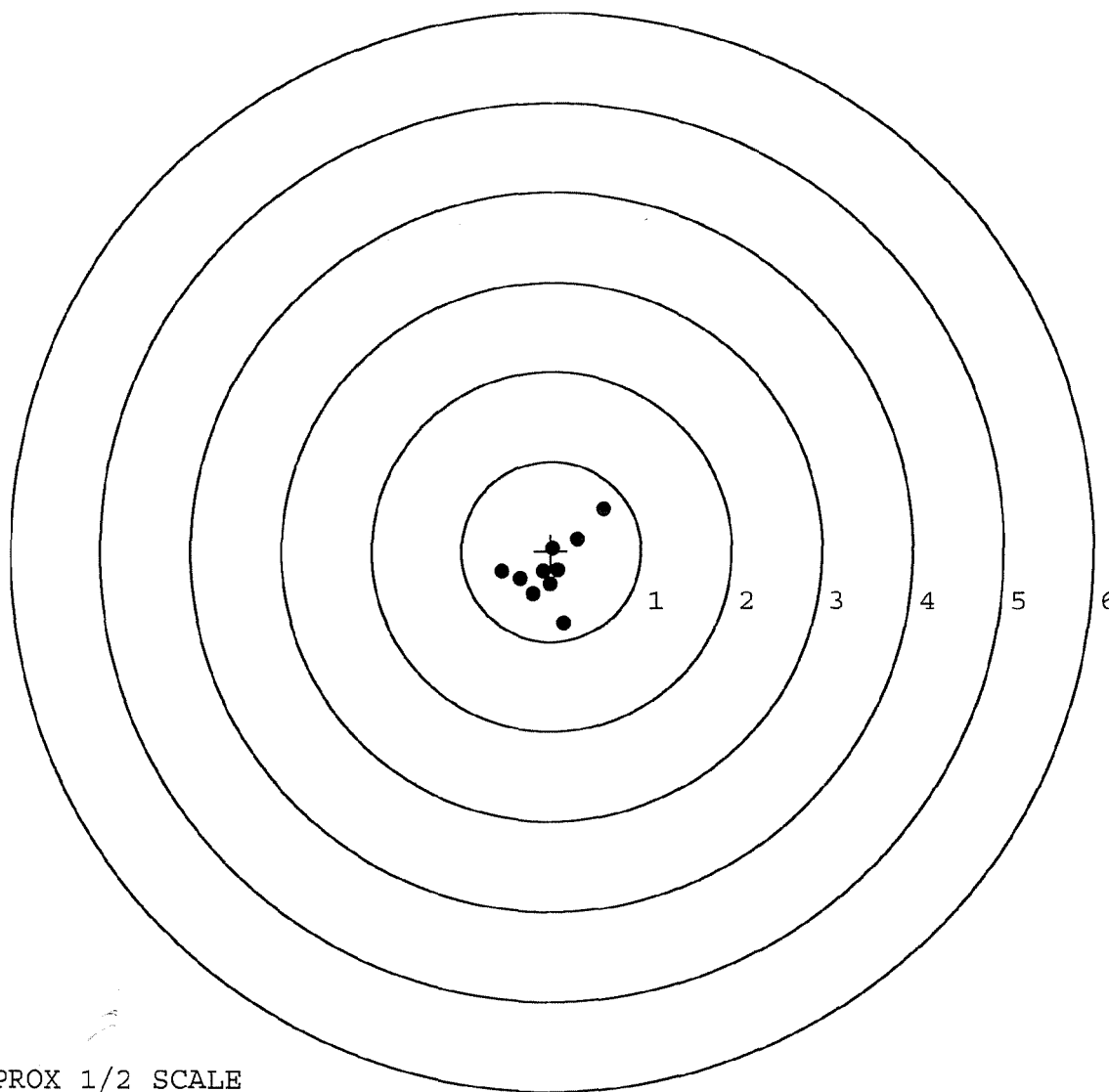


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577218. 0
TARGET NUMBER: 5
FILE DATE: 07/14/2006
FILE TIME: 08:39

POINT#	X	Y
1:	0.581	0.468
2:	0.289	0.133
3:	0.146	-0.806
4:	-0.553	-0.234
5:	-0.344	-0.311
6:	-0.203	-0.475
7:	-0.008	-0.372
8:	0.075	-0.218
9:	0.021	0.033
10:	-0.091	-0.231

X CENTROID: -0.009
Y CENTROID: -0.201
POA TO CENTROID: 0.201
HORZ SPREAD: 1.134
VERT SPREAD: 1.274
GROUP SPREAD: 1.346
MIN RADIUS: 0.085
MAX RADIUS: 0.892
MEAN RADIUS: 0.378
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	113119			
SERIAL NUMBER	16703489			60577218 New
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-26-06	RJR
505	RE-BARREL		7-5-06	BLG
560	ASSEMBLE		7-5-06	BLG
600	PROOF	MAGNA-FLUX INSPECTED	7-5-06	MTM
605	CHECK HEADSPACE		7-5-06	MTM
610	DIS-ASSEMBLE GUN	JUL 06 2006	7-6-06	BLG
612	MAGNAFLUX	OPERATOR <i>unms</i>	7-6-06	<i>unms</i>
510	DRILL AND TAP		7-6-06	TRW
615	ROLLMARK CALIBER		7-7-06	CB
618	ROTO-BLAST		7-7-06	LB
620	APPLY COATINGS		7/7	HP
625	FINAL ASSEMBLY		7-10-06	RJR
640	FUNCTION TEST AND	PASS FAIL	7-14-06	TRW
650	TARGET	PASS FAIL	7-14-06	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-14-06	BD
	A) HEADSPACE	PASS FAIL	7-17-06	TRW
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	N/A 7-17-06	RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	8.5 8.0 8.0 7-17-06	RA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5 7-17-06	RA
	I) FIRING PIN INDENT	.020	.021 .021 .021 7-17-06	RA
690	PACK		8-1-06	RA

VERY IMPORTANT
INSTRUCTION BOOK
enclosed to assure
safe use of this
firearm

Remington®

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

Made in Union, NY Reg. U.S. Pat. & tm. Off. Marks Registered Marque Deposee.

SERIAL NO. **J**
E6703489

ORDER NO. **25716**

46

21WV

5716 E6703489

ORDER 25716

MODEL 700™ M24

UPC



ORDER 25716

MODEL 700™ M24

UPC



SERIAL NO.

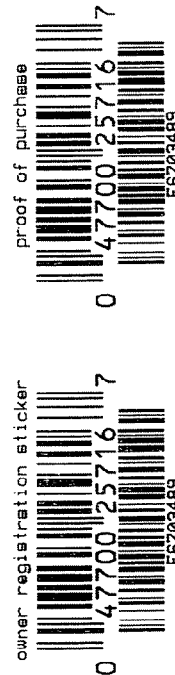


MODEL 700™ M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

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

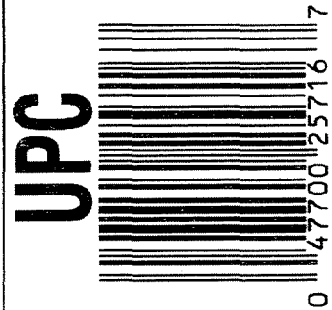
46 FORM 1444



ORDER NO. 25716

BARREL LENGTH	24"
CAPACITY	6

E6703489



GUN SERIAL # E6703489

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		4-25-01	CL
600	PROOF		4-25-01	CL
607	CHECK HEADSPACE		4-25-01	CL
610	DIS-ASSEMBLE GUN		4-25-01	CL
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		4-25-01	CK
615	ROLLMARK CALIBER		4-25-01	CK
617	DRILL AND TAP SIGHT HOLES		4/25/01	DR
618	POLISH BARREL		4/25/01	GD
620	APPLY COATINGS (BARREL ACTION)		4/26/01	TH
	(BOLT)		4/26/01	TH
625	FINAL ASSEMBLY		4/29/01	CL
	A) CLEAN INSIDE OF BOLT ASSEMBLY		4/29/01	CK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		4/29/01	CK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		4/29/01	CK
	D) OIL FIRING PIN ASSEMBLY		4/29/01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		4/29/01	CK

OP #	OPERATION NAME	READINGS			DATE	INITIAL
625	F) SAFETY ON FORCE	<u>8²⁵</u>	<u>7²⁵</u>	<u>8⁰</u>	5/4/01	RHL
CONT.	G) SAFETY OFF FORCE	<u>4²⁵</u>	<u>4⁰</u>	<u>4⁰</u>	5/4/01	RHL
	H) TRIGGER PULL TEST AND RETAINABILITY				5/4/01 5/4/01	RHL
	I) FIRING PIN INDENT	<u>.026</u>	<u>.026</u>	<u>.025</u>	5/4/01	RHL
	J) ASSEMBLE STOCK				4-25-01	C/K
	K) ASSEMBLE SWIVEL STUDS				4/26/01	RHL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S				4/27/01	RHL
	M) IRON SIGHT ALIGNMENT				4/28/01	RHL
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER				4/28/01 4/28/01	RHL
640	GALLERY TEST AND TARGET				5/1/01	RHL
	A) MALFUNCTIONS				5/1/01	RHL
	B) PIERCED PRIMERS				5/1/01	RHL
645	INSPECT FOR LIVE AMMO				5/1/01	RHL
655	FINAL INSPECTION A) HEADSPACE				5/1/01	RHL
	B) TRIGGER PULL	<u>2.59</u>	<u>2.56</u>	<u>2.55</u> <u>2.64</u> <u>2.62</u>	5/4/01	RHL
	C) FUNCTION				5/4/01	RHL
660	PACK				8/14/01	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. EG703489

DATE 4/24/01

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.56	2.70	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.72	2.85	
PULL #3	2.71	2.76	2.80	
PULL #4	2.69	2.81	2.83	
PULL #5	2.71	2.86	2.81	
TOTAL	1335	1385	1392	
AVG.	2.67	2.77	2.78	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.38	3.24	
PULL #2	3.38	3.26	
PULL #3	3.38	3.26	
PULL #4	3.21	3.36	
PULL #5	3.45	3.24	
TOTAL	1680	1638	
AVG.	336	327	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.19		4.03
PULL #2	4.10	4.24		4.13
PULL #3	4.17	4.15		4.20
PULL #4	4.12	4.27		4.10
PULL #5	4.17	4.32		4.12
TOTAL	2065	2117		2058
AVG.	4.13	4.23		4.11

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703489
3 May 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1498
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .173131

THE AMR FOR THIS RIFLE IS: 1.325

CENTROIDAL DISTANCES

0 TO 1	.378652
1 TO 2	.204978
1 TO 3	.632807
1 TO 4	.663
1 TO 5	.697821

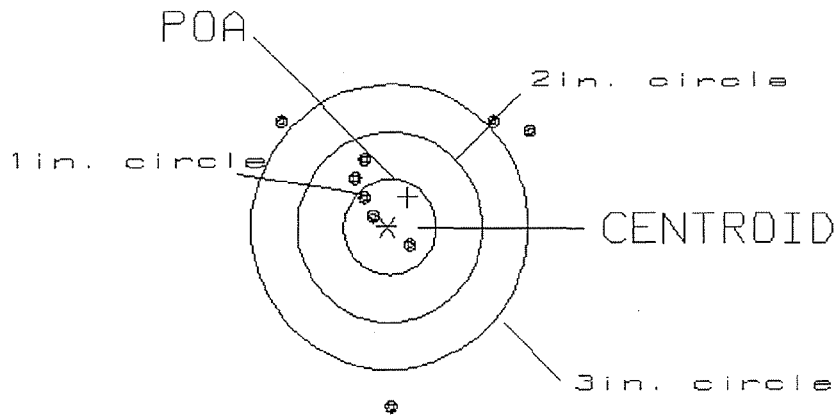
35
+ <----POA
1 2
4

PATTERN #: 1
 POA TO CENTROID: .378
 MIN RADIUS : .224
 MEAN RADIUS : 1.220
 MAX RADIUS : 2.899
 CENTROID X : -.216
 CENTROID Y : -.311

3 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703489

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.62

3

VS= 3.96

5

GS= 4.38

5

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .372

MIN RADIUS : .568

MEAN RADIUS : 1.739

MAX RADIUS : 2.756

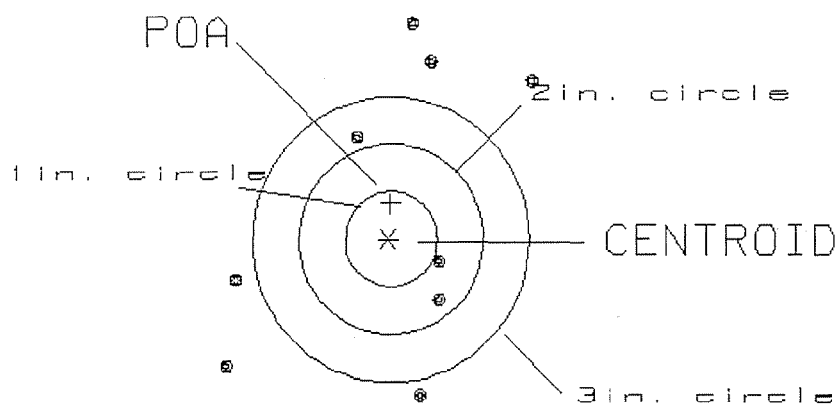
CENTROID X : -.020

CENTROID Y : -.371

3 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.37

0

VS= 5.05

2

GS= 5.05

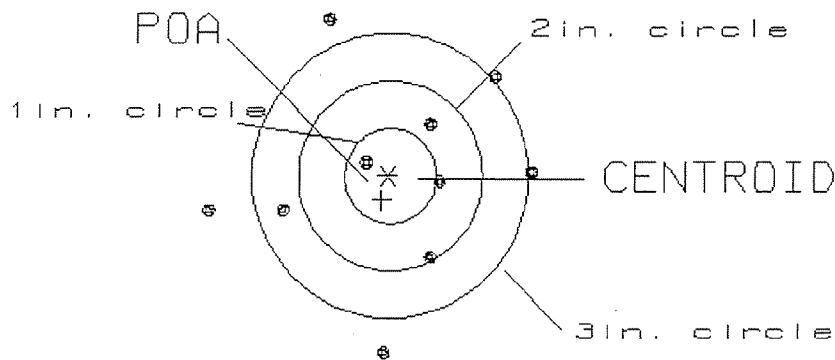
3

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .264
 MIN RADIUS : .283
 MEAN RADIUS : 1.236
 MAX RADIUS : 1.991
 CENTROID X : .067
 CENTROID Y : .255

3 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703489

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.51
 VS= 3.51
 GS= 3.56

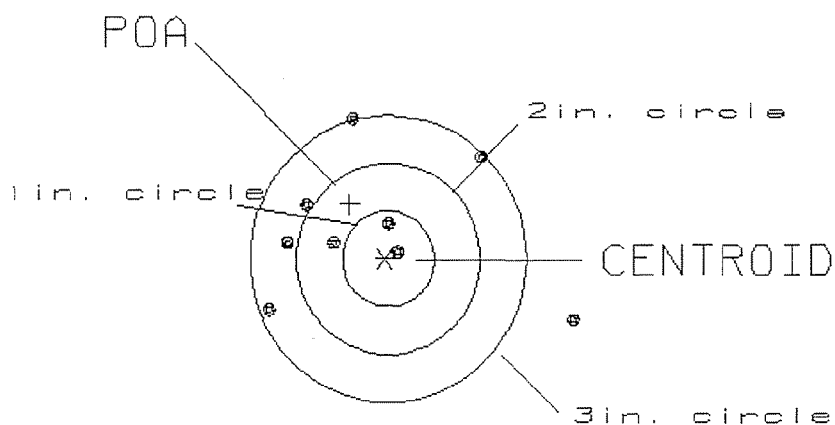
1
 4
 5

PATTERN #: 4
 POA TO CENTROID: .691
 MIN RADIUS : .147
 MEAN RADIUS : 1.260
 MAX RADIUS : 2.819
 CENTROID X : .396
 CENTROID Y : -.566

3 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.28

2

VS= 4.02

3

GS= 4.29

8

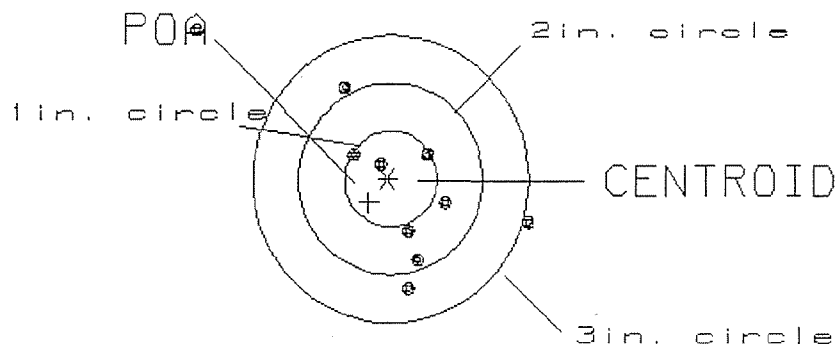
PATTERN #: 5

POA TO CENTROID: .320
 MIN RADIUS : .159
 MEAN RADIUS : .970
 MAX RADIUS : 2.636
 CENTROID X : .207
 CENTROID Y : .244

3 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.60

2

VS= 2.66

6

GS= 4.11

8

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703489
4 May 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0658
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .238458

THE AMR FOR THIS RIFLE IS: .96

CENTROIDAL DISTANCES

0	TO	1	.273271
1	TO	2	.320506
1	TO	3	.363412
1	TO	4	.356665
1	TO	5	.204978

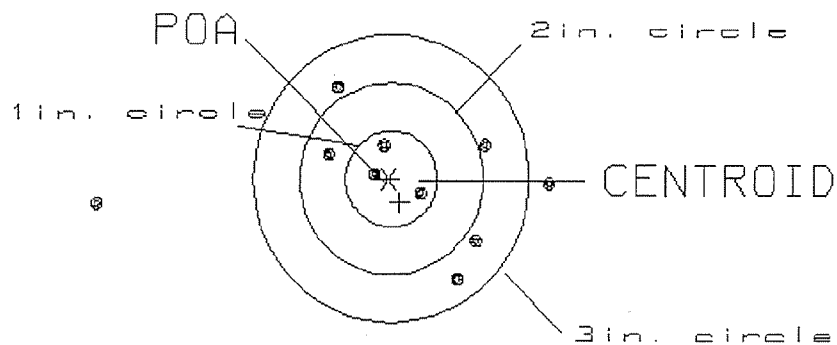
1
5
2+ <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .273
 MIN RADIUS : .190
 MEAN RADIUS : 1.106
 MAX RADIUS : 3.138
 CENTROID X : -.119
 CENTROID Y : .246

4 May 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6703489.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.85

3

VS= 1.99

4

GS= 4.85

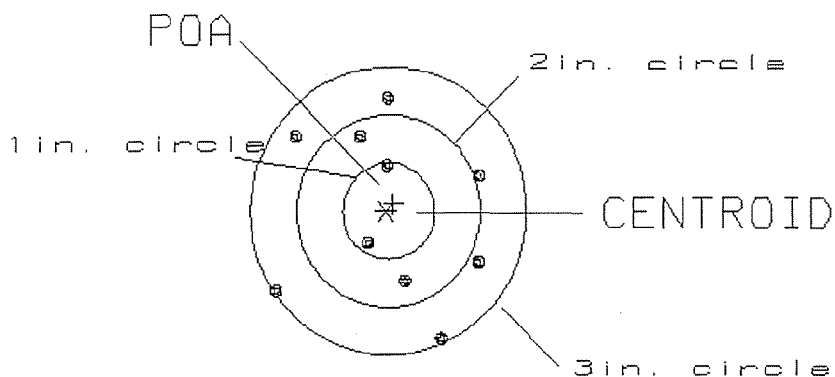
8

PATTERN #: 020
 POA TO CENTROID: .107
 MIN RADIUS : .401
 MEAN RADIUS : 1.003
 MAX RADIUS : 1.479
 CENTROID X : -.079
 CENTROID Y : -.072

4 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.24

2

VS= 2.54

4

GS= 2.69

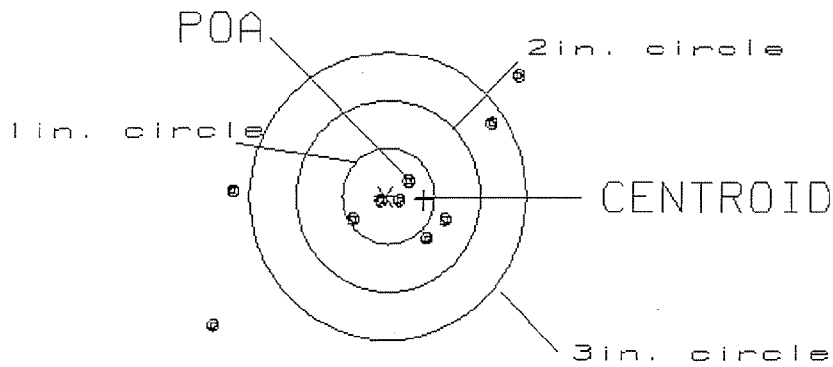
10

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .419
 MIN RADIUS : .093
 MEAN RADIUS : .956
 MAX RADIUS : 2.269
 CENTROID X : -.417
 CENTROID Y : .038

4 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703489.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.33

4

VS= 2.60

6

GS= 4.22

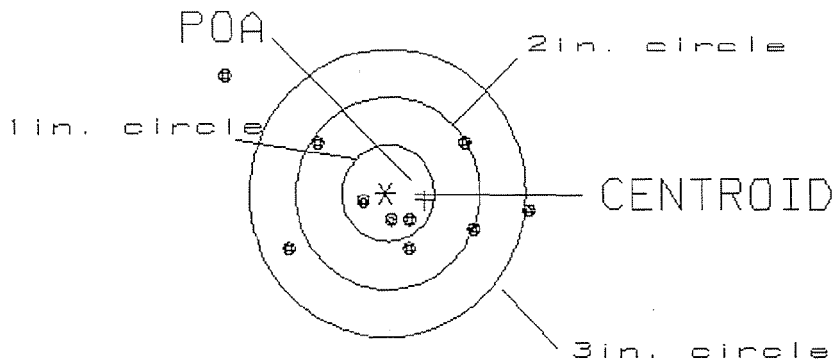
7

PATTERN #: 4
 POA TO CENTROID: .438
 MIN RADIUS : .268
 MEAN RADIUS : .941
 MAX RADIUS : 2.122
 CENTROID X : -.432
 CENTROID Y : .075

4 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.30

3

VS= 1.74

6

GS= 3.57

8

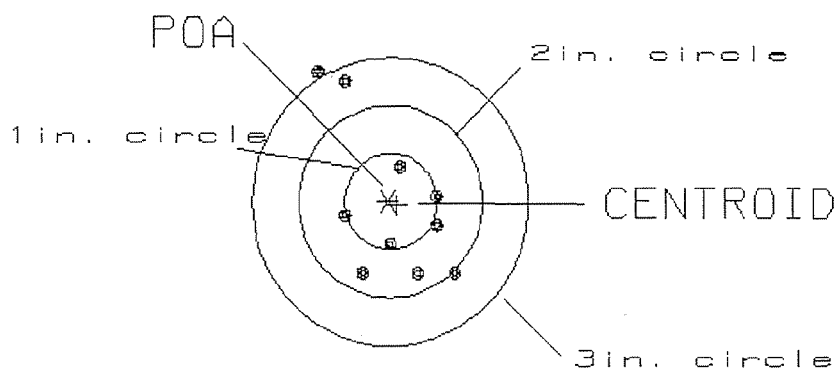
PATTERN #: 5

POA TO CENTROID: .108
 MIN RADIUS : .348
 MEAN RADIUS : .794
 MAX RADIUS : 1.586
 CENTROID X : -.099
 CENTROID Y : .042

4 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703409.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.52

3

VS= 2.13

7

GS= 2.61

9