

G 657 1173

Replaced

E 670 3403

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: **RE00113210**

Serial: E6703403 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Status:

Closed 6/5/2006 1:21:40 PM

Verify Repair

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	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/6/2006

7:37 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materl...

2 Microsoft Office O...



7:37 AM

G6577173

Serial Number: **E6703403**

Model: M24 SWS



RE00113210

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577173.__0
FILE DATE AND TIME: 07/13/2006 17:51

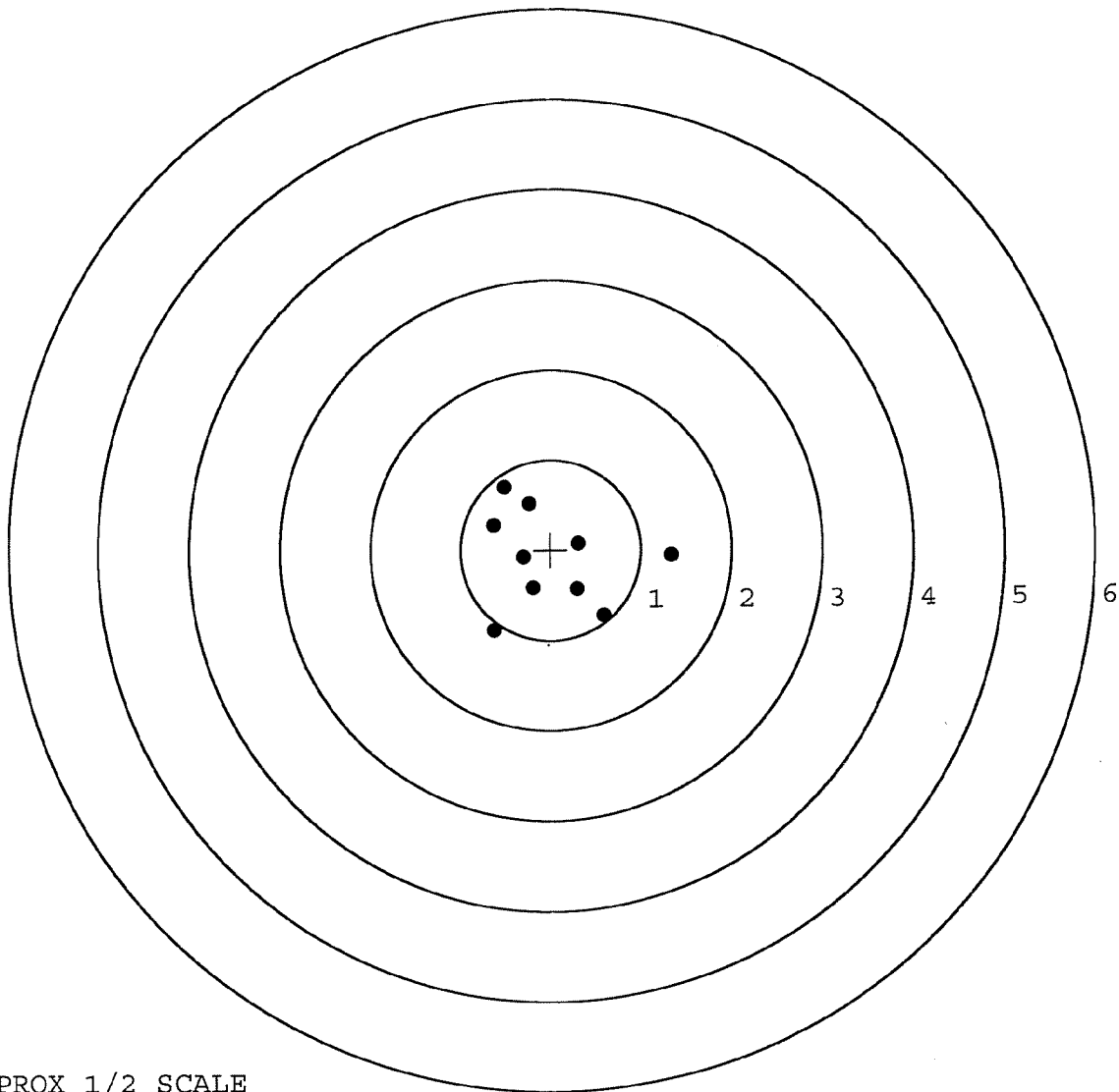
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.067
The Average Y Centroid of the Five Target Set:	-0.162
The Average Point of Impact of the Five Target Set:	0.175
The Average Mean Radius of the Five Target Set:	0.737
The Distance from POA to Centroid Target #1:	0.109
The Distance from Centroid Target #2 to Centroid Target #1:	0.187
The Distance from Centroid Target #3 to Centroid Target #1:	0.060
The Distance from Centroid Target #4 to Centroid Target #1:	0.157
The Distance from Centroid Target #5 to Centroid Target #1:	0.498

SERIAL NUMBER: G6577173. __0
TARGET NUMBER: 1
FILE DATE: 07/13/2006
FILE TIME: 17:51

X CENTROID: 0.003
Y CENTROID: -0.108
POA TO CENTROID: 0.109
HORZ SPREAD: 1.972
VERT SPREAD: 1.584
GROUP SPREAD: 2.135
MIN RADIUS: 0.304
MAX RADIUS: 1.337
MEAN RADIUS: 0.704
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.340	-0.068
2:	0.593	-0.732
3:	0.295	-0.436
4:	-0.630	-0.890
5:	-0.197	-0.426
6:	-0.300	-0.085
7:	-0.632	0.279
8:	-0.512	0.694
9:	-0.238	0.507
10:	0.313	0.072

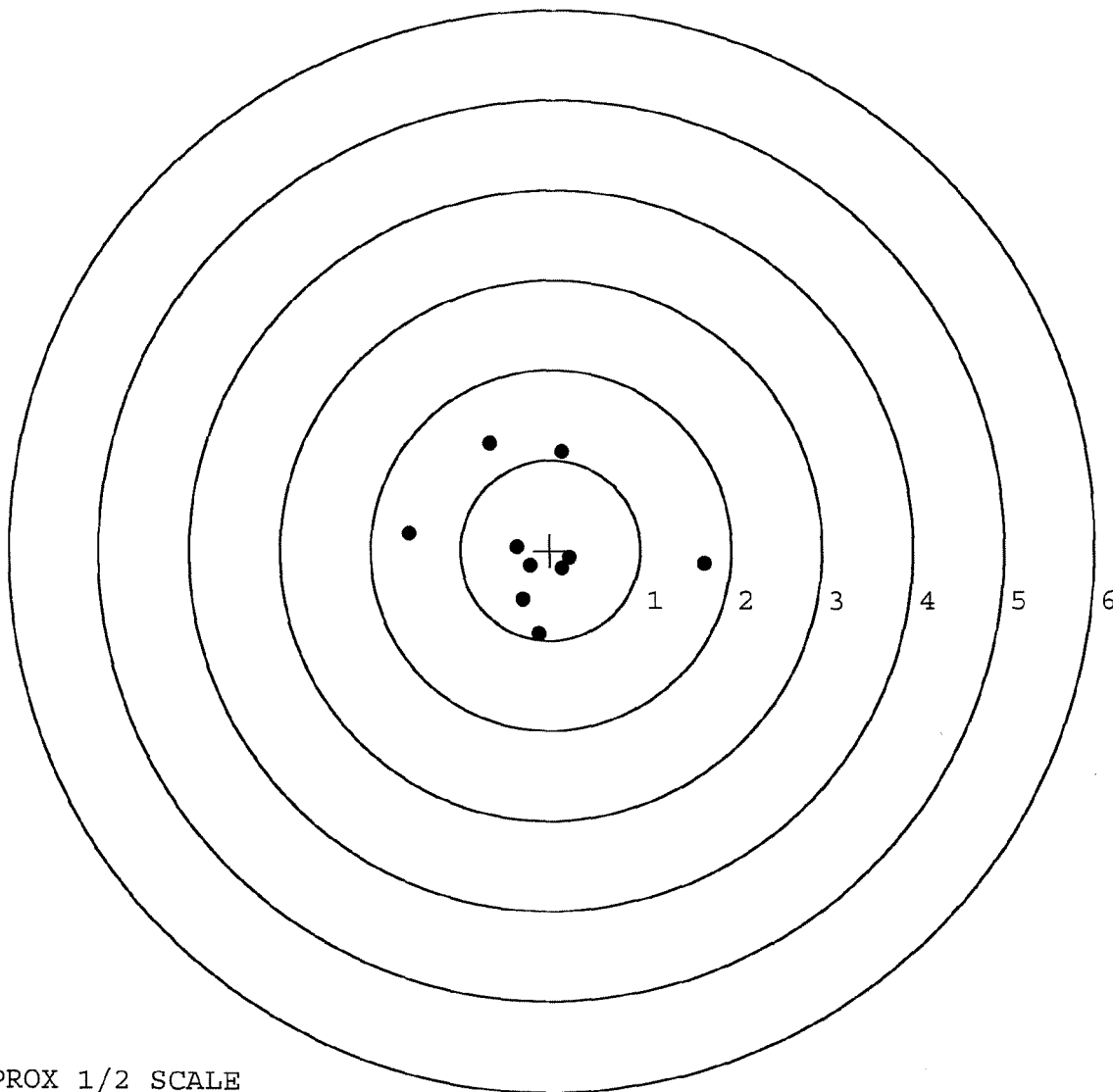


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577173. __0
TARGET NUMBER: 2
FILE DATE: 07/13/2006
FILE TIME: 17:51

X CENTROID: -0.109
Y CENTROID: 0.041
POA TO CENTROID: 0.117
HORZ SPREAD: 3.271
VERT SPREAD: 2.119
GROUP SPREAD: 3.289
MIN RADIUS: 0.246
MAX RADIUS: 1.821
MEAN RADIUS: 0.844
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.678	1.185
2:	0.124	1.093
3:	-1.570	0.188
4:	1.701	-0.152
5:	0.217	-0.086
6:	0.131	-0.200
7:	-0.369	0.040
8:	-0.224	-0.177
9:	-0.303	-0.551
10:	-0.123	-0.934

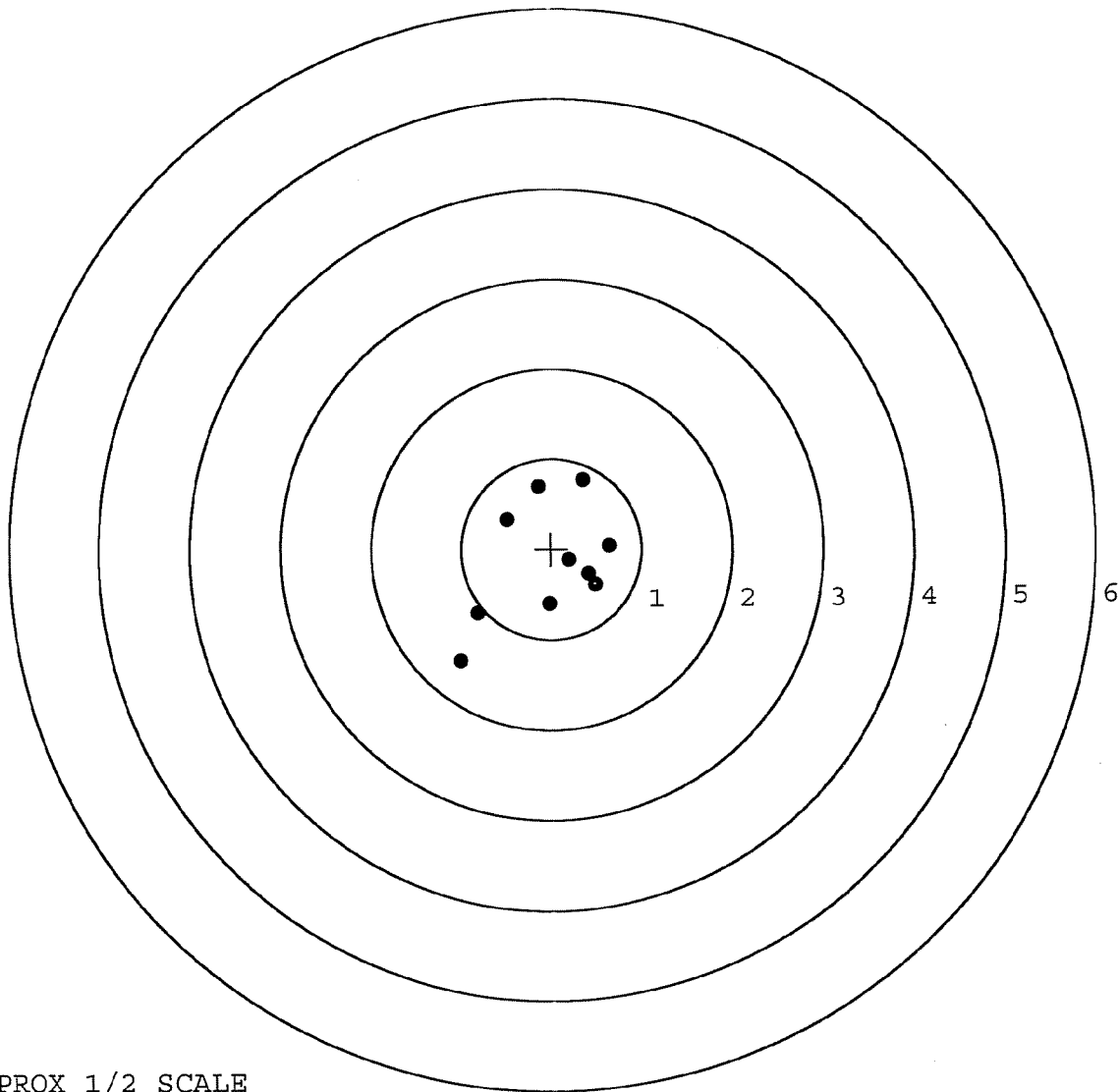


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577173. __0
TARGET NUMBER: 3
FILE DATE: 07/13/2006
FILE TIME: 17:51

POINT#	X	Y
1:	-0.488	0.333
2:	-0.140	0.689
3:	0.356	0.765
4:	0.641	0.038
5:	0.488	-0.396
6:	0.196	-0.125
7:	-0.021	-0.608
8:	-0.820	-0.702
9:	-1.012	-1.230
10:	0.417	-0.277

X CENTROID: -0.038
Y CENTROID: -0.151
POA TO CENTROID: 0.156
HORZ SPREAD: 1.653
VERT SPREAD: 1.995
GROUP SPREAD: 2.419
MIN RADIUS: 0.236
MAX RADIUS: 1.453
MEAN RADIUS: 0.736
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

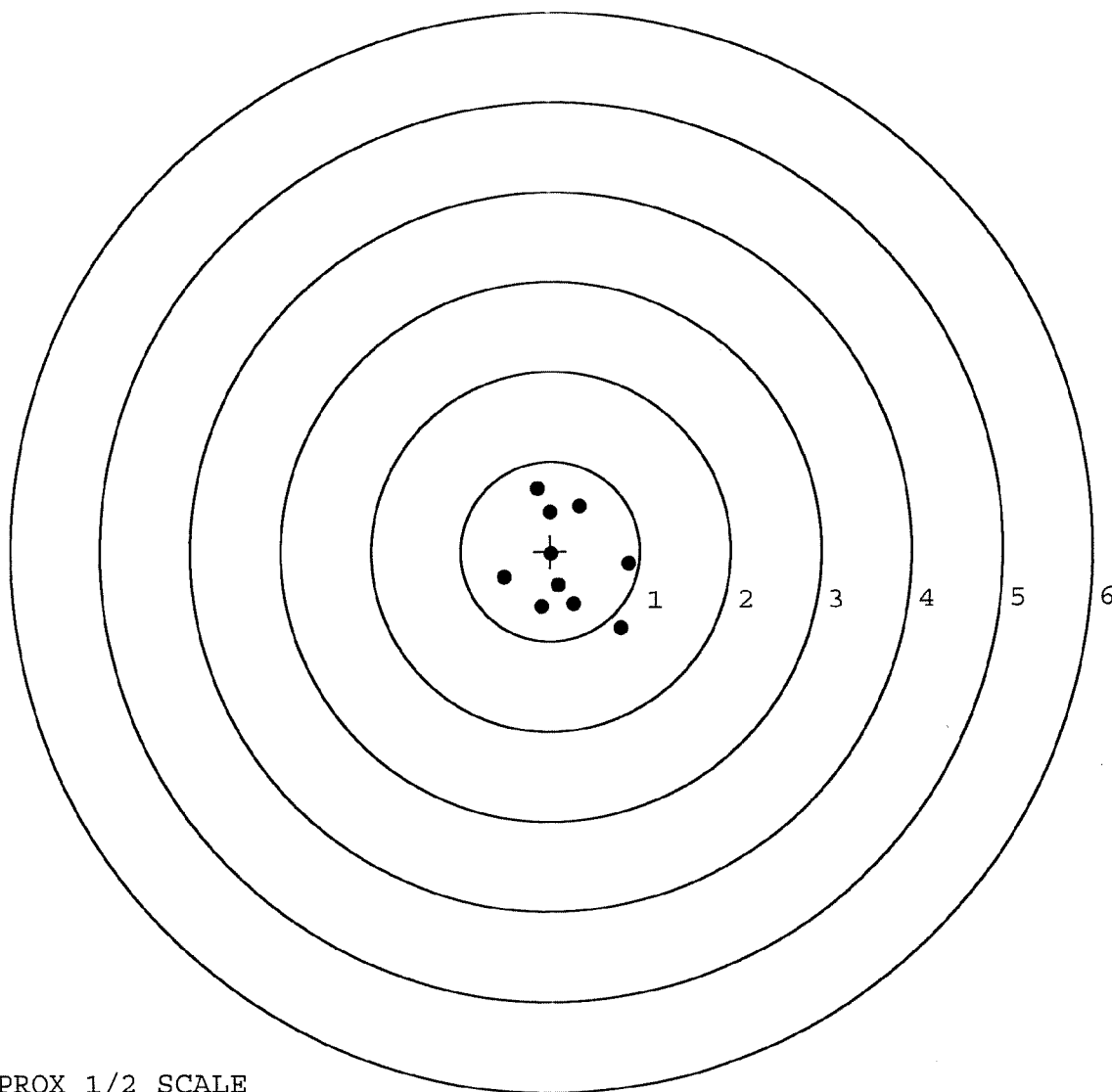


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577173. __0
TARGET NUMBER: 4
FILE DATE: 07/13/2006
FILE TIME: 17:51

X CENTROID: 0.159
Y CENTROID: -0.131
POA TO CENTROID: 0.206
HORZ SPREAD: 1.394
VERT SPREAD: 1.570
GROUP SPREAD: 1.824
MIN RADIUS: 0.180
MAX RADIUS: 0.969
MEAN RADIUS: 0.598
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.144	0.699
2:	0.003	0.435
3:	0.331	0.500
4:	0.009	-0.032
5:	-0.520	-0.290
6:	0.874	-0.149
7:	0.785	-0.871
8:	0.265	-0.595
9:	0.091	-0.383
10:	-0.105	-0.626



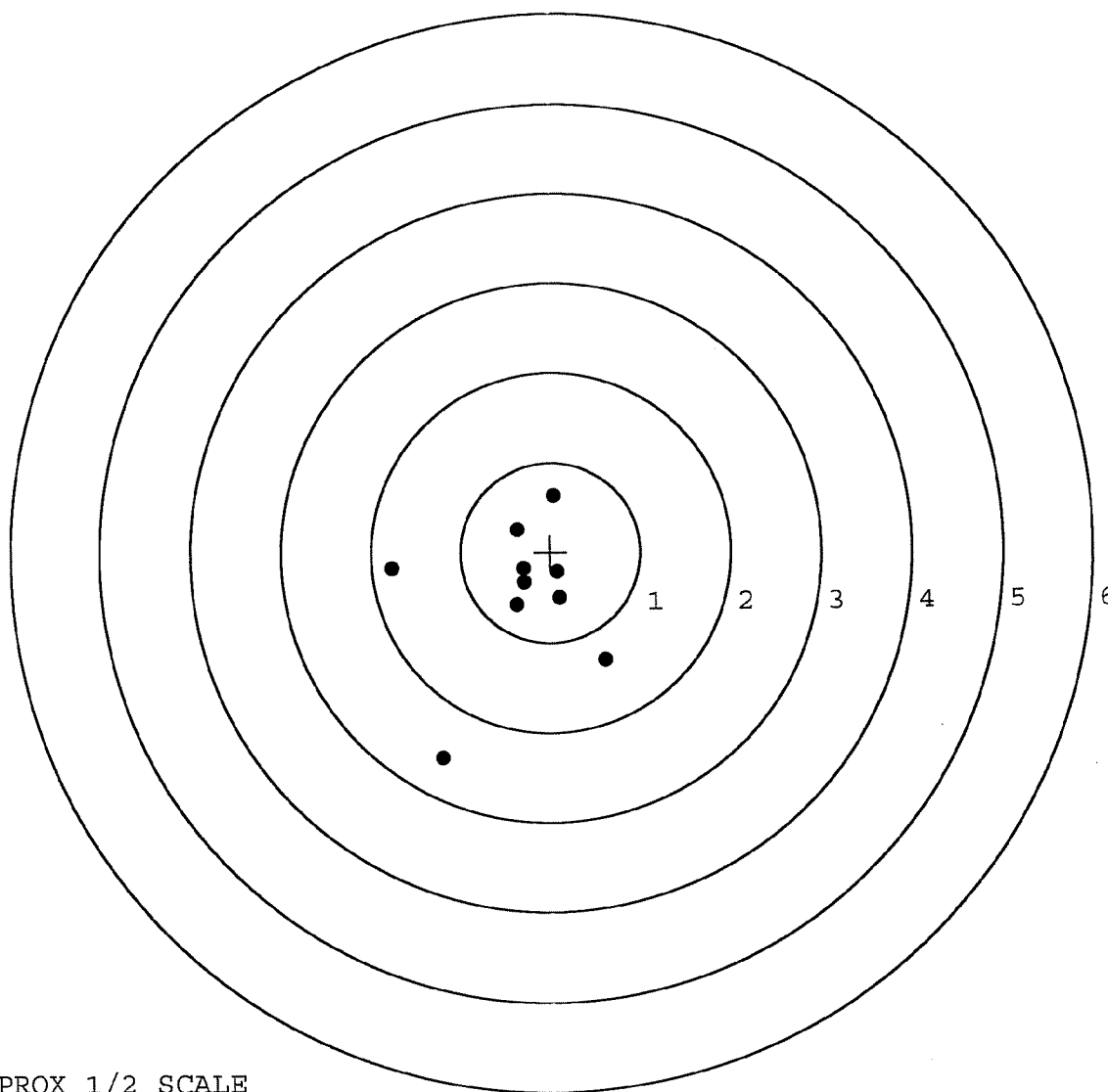
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577173. __0
TARGET NUMBER: 5
FILE DATE: 07/13/2006
FILE TIME: 17:51

X CENTROID: -0.350
Y CENTROID: -0.460
POA TO CENTROID: 0.578
HORZ SPREAD: 2.378
VERT SPREAD: 2.907
GROUP SPREAD: 3.164
MIN RADIUS: 0.128
MAX RADIUS: 2.009
MEAN RADIUS: 0.802

POINT#	X	Y
1:	0.039	0.631
2:	-0.372	0.250
3:	-1.770	-0.167
4:	-1.209	-2.276
5:	0.608	-1.197
6:	0.106	-0.509
7:	0.076	-0.223
8:	-0.374	-0.586
9:	-0.298	-0.340
10:	-0.302	-0.182

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113210			
SERIAL NUMBER	E6703403		G6577173 (NEW)	
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-26-06	BLC
505	RE-BARREL		7-5-06	BLC
560	ASSEMBLE		7-5-06	BLC
600	PROOF	MAGNA-FLUX INSPECTED JUL 06 2006	7-5-06	MSH
605	CHECK HEADSPACE		7-5-06	MSH
610	DIS-ASSEMBLE GUN		7-6-06	BLC
612	MAGNAFLUX	OPERATOR <i>unus</i>	7/6/06	<i>unus</i>
510	DRILL AND TAP		7-6-06	TRW
615	ROLLMARK CALIBER		7-7-06	CW
618	ROTO-BLAST		7-7-06	LB
620	APPLY COATINGS		7/7	HP
625	FINAL ASSEMBLY		7-11-06	BLC
640	FUNCTION TEST AND	(PASS) FAIL	7-13-06	MSH
650	TARGET	(PASS) FAIL	7-13-06	MSH
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		8-1-06	RTZ
	A) HEADSPACE	(PASS) FAIL	8-1-06	RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	7-14-06	RA
		2.69 2.86 2.86 2.73 2.85		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7-14-06	RA
		4.5 4.5 4.5		
	G) SAFETY OFF FORCE	2 LBS MIN	7-14-06	RA
		2.0 2.0 2.0		
	I) FIRING PIN INDENT	.020	7-14-06	RA
		.022 .022 .023		
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 Illinois, NY Reg. U.S. Pat. & tm. Off. Marca Registrada Marque Deposee

SERIAL NO. J E6703403	ORDER NO. 25716	21WV
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46

5716 E6703403

ORDER 25716

MODEL 700™ M24

UPC



ORDER 25716

MODEL 700™ M24

UPC



SERIAL NO.

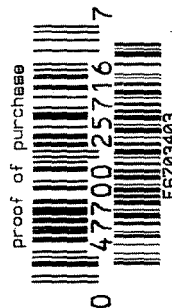


MODEL 700TH M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

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

46 FORM 1444

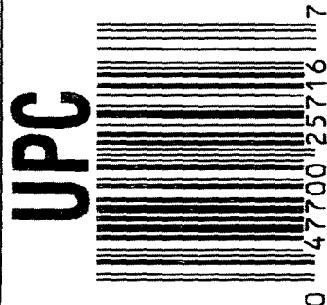


ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703403



ISRAELI GUNS

CONTRACT # DAAE20-97-C-0182

GUN SERIAL # EG703403

OP. #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		4-17-01	CK
600	PROOF		4-17-01	CK
607	CHECK HEADSPACE		4-17-01	CK
610	DIS-ASSEMBLE GUN		4-17-01	CK
612	MAGNAFLUX BARREL ACTION		4-17-01	AC
	MAGNAFLUX BOLT		4-17-01	AC
615	ROLLMARK CALIBER		4-17-01	AK
617	DRILL AND TAP SIGHT HOLES		4-18-01	BT
618	POLISH BARREL		4-18-01	BT
620	APPLY COATINGS (BARREL ACTION)		4-20-01	TA
	(BOLT)		4-20-01	TA
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		8-15-01	AK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		8/15/01	AK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		8/15/01	AK
	D) OIL FIRING PIN ASSEMBLY		8/15/01	AK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		8/15/01	AK

OP. #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>2⁴⁵</u> <u>6²⁵</u> <u>6⁰</u>	4/23/01	RTH
CONT.	G) SAFETY OFF FORCE	<u>2²⁵</u> <u>2⁵⁰</u> <u>3⁰</u>	4/23/01	RTH
	H) TRIGGER PULL TEST AND RETAINABILITY		4/23/01	RTH
	I) FIRING PIN INDENT	<u>.023</u> <u>.023</u> <u>.024</u>	4/23/01	RTH
	J) ASSEMBLE STOCK		4-17-01	C/K
	K) ASSEMBLE SWIVEL STUDS		8/15/01	RTH
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		8/15/01	RTH
	M) IRON SIGHT ALIGNMENT		8/15/01	RTH
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		8/15/01	RTH
640	GALLERY TEST AND TARGET		4/19	RTH
	A) MALFUNCTIONS		4/19	RTH
	B) PIERCED PRIMERS		4/19	RTH
645	INSPECT FOR LIVE AMMO		4/19	RTH
655	FINAL INSPECTION A) HEADSPACE		8/15/01	RTH
	B) TRIGGER PULL	<u>2.24</u> <u>2.27</u> <u>2.23</u> <u>2.27</u> <u>2.43</u>	8/16/01	RTH
	C) FUNCTION		8/16/01	RTH
660	PACK			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. E6703403

DATE 4/17/01

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	268	273		226	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	268	267		226	
PULL #3	255	255		225	
PULL #4	267	279		223	
PULL #5	260	270		231	
TOTAL	1318	1344		1131	
AVG.	263	268		226	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	306	300		
PULL #2	305	300		
PULL #3	301	289		
PULL #4	303	290		
PULL #5	300	287		
TOTAL	1515	1466		
AVG.	303	293		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	411	411		403
PULL #2	407	392		408
PULL #3	405	390		400
PULL #4	401	397		397
PULL #5	407	395		402
TOTAL	2031	1985		2010
AVG.	406	397		402

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703403
19 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0804
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1718
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .189682

THE AMR FOR THIS RIFLE IS: 1.387

CENTROIDAL DISTANCES

Ø TO	1	.299328
1 TO	2	.498615
1 TO	3	.287446
1 TO	4	.439692
1 TO	5	.0721734

2 + <----POA
4 5 3

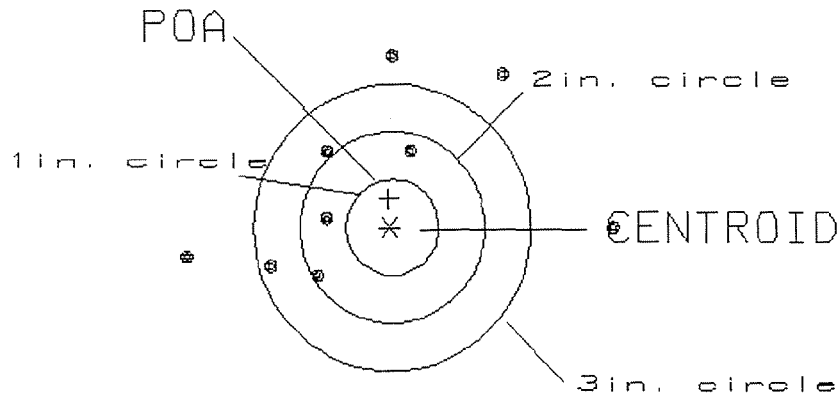
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .299
 MIN RADIUS : .711
 MEAN RADIUS : 1.771
 MAX RADIUS : 4.301
 CENTROID X : .014
 CENTROID Y : -.299

19 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.60

0

VS= 5.60

5

GS= 5.96

5

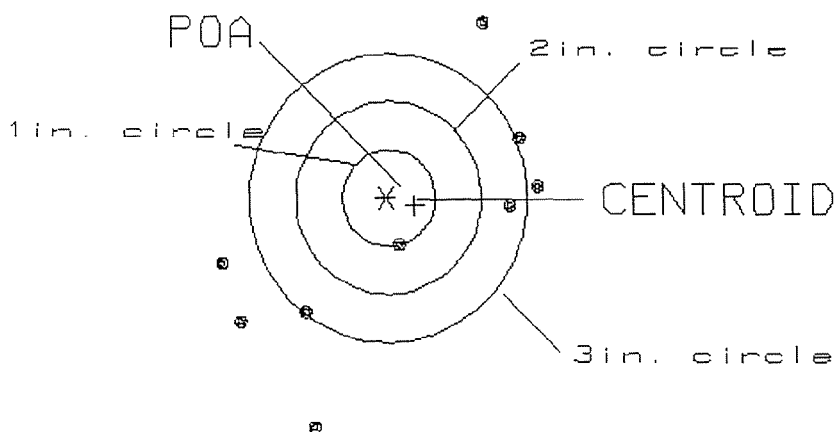
PATTERN #: 2

POA TO CENTROID: .320
 MIN RADIUS : .514
 MEAN RADIUS : 1.875
 MAX RADIUS : 3.611
 CENTROID X : -.310
 CENTROID Y : .080

19 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.44
 VS= 5.98
 GS= 5.99

0
 1
 2

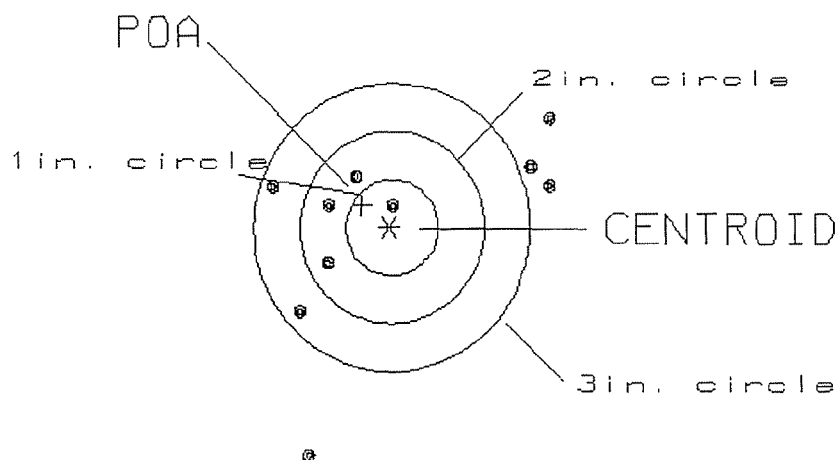
PATTERN #: 030

POA TO CENTROID: .376
 MIN RADIUS : .236
 MEAN RADIUS : 1.313
 MAX RADIUS : 2.511
 CENTROID X : .294
 CENTROID Y : -.234

19 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.02

1

VS= 3.48

4

GS= 4.37

6

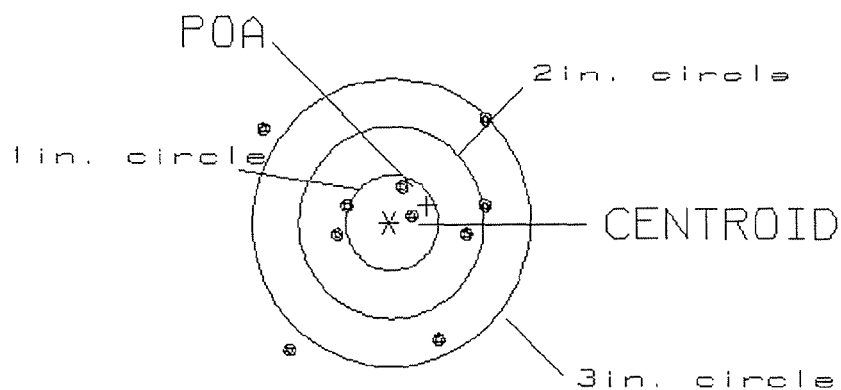
PATTERN #: 4

POA TO CENTROID: .446
 MIN RADIUS : .169
 MEAN RADIUS : .978
 MAX RADIUS : 1.776
 CENTROID X : -.409
 CENTROID Y : -.179

19 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.38

3

VS= 2.42

5

GS= 3.22

8

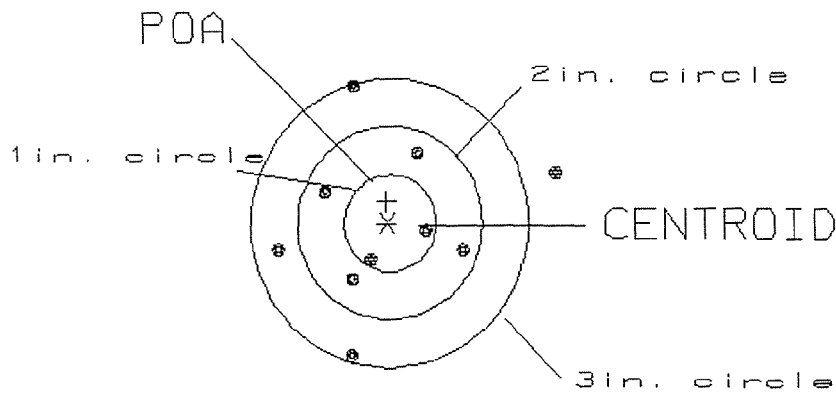
PATTERN #: 5

POA TO CENTROID: .227
 MIN RADIUS : .392
 MEAN RADIUS : .996
 MAX RADIUS : 1.885
 CENTROID X : .009
 CENTROID Y : -.227

19 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.02

2

VS= 2.00

6

GS= 3.12

9

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703403
20 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .116
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1262
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .171413

THE AMR FOR THIS RIFLE IS: .8694

CENTROIDAL DISTANCES

0	TO	1	.355688
1	TO	2	.22502
1	TO	3	.43477
1	TO	4	.323459
1	TO	5	.0906091

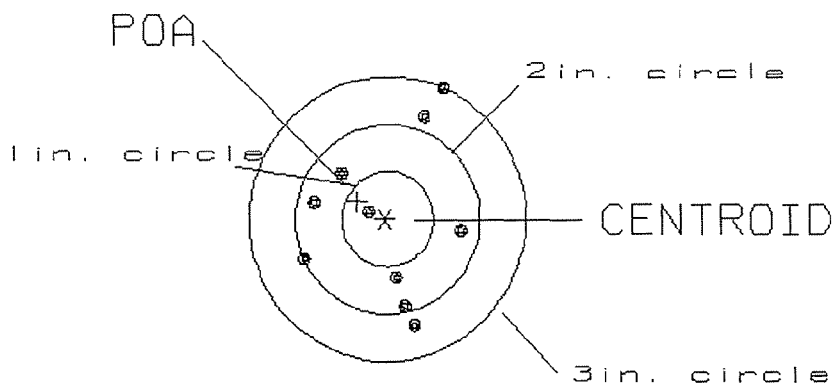
3^{+4}_{251} <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .356
 MIN RADIUS : .183
 MEAN RADIUS : .892
 MAX RADIUS : 1.536
 CENTROID X : .305
 CENTROID Y : -.183

20 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403.1.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.71
 VS= 2.54
 GS= 2.56

1
 6
 9

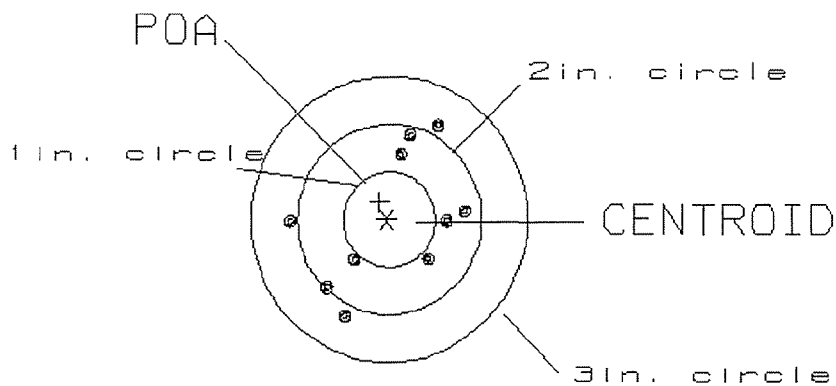
PATTERN #: 2

POA TO CENTROID: .202
 MIN RADIUS : .553
 MEAN RADIUS : .848
 MAX RADIUS : 1.102
 CENTROID X : .080
 CENTROID Y : -.186

20 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403.1.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.93

0

VS= 1.94

6

GS= 2.17

10

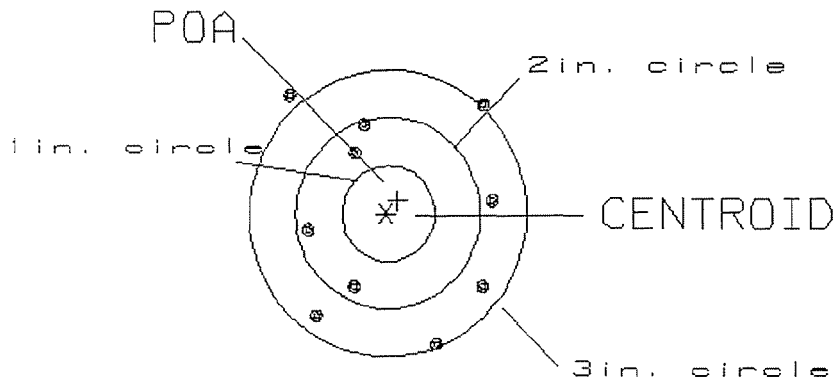
PATTERN #: 030

POA TO CENTROID: .185
 MIN RADIUS : .724
 MEAN RADIUS : 1.163
 MAX RADIUS : 1.577
 CENTROID X : -.127
 CENTROID Y : -.134

20 Apr 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6703403.1.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.16
 VS= 2.53
 GS= 2.98

0
 4
 6

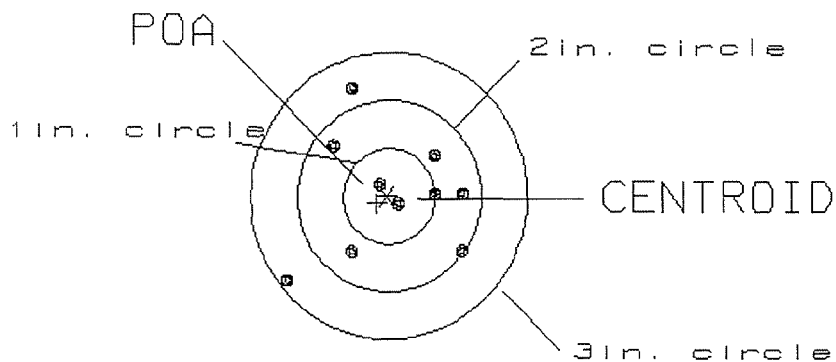
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .128
 MIN RADIUS : .079
 MEAN RADIUS : .749
 MAX RADIUS : 1.465
 CENTROID X : .106
 CENTROID Y : .072

20 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403.1.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 1.98
 VS= 2.04
 GS= 2.18

2
 6
 10

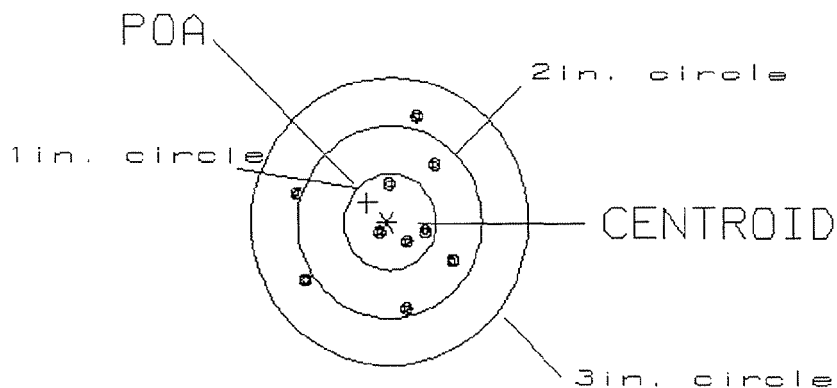
PATTERN #: 5

POA TO CENTROID: .295
 MIN RADIUS : .188
 MEAN RADIUS : .695
 MAX RADIUS : 1.142
 CENTROID X : .216
 CENTROID Y : -.200

20 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703403.1.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.66
 VS= 1.99
 GS= 2.11

4
 7
 10