

EC413541

Repair Inquiry

Repair Number: RE00081553

Serial: E6413541 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair:

Status:

Closed 6/3/2004 6:31:02 AM

Address Information

Customer

☒ Received From

Return To

☐ Received From

Name: DEPARTMENT OF THE ARMY

DEPARTMENT OF THE ARMY

Address 1: CDR C CO 3/3 SFG A

CDR C CO 3/3 SFG A

Address 2: ATN ODA 394

PO Box:

ATN ODA 394

PO Box:

City: FORT BRAGG

FORT BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
C000	Front and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

6/3/2004

8:42 AM

CAPS

NUM

INS

SCPL

start

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5

3

Arms S

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Serial Number: E6413541

Model: M24 SWS



RE00081553

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413541.___0
FILE DATE AND TIME: 06/24/2004 06:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	0.209
The Average Point of Impact of the Five Target Set:	0.209
The Average Mean Radius of the Five Target Set:	
The Distance from POA to Centroid Target #1:	0.166
The Distance from Centroid Target #2 to Centroid Target #1:	0.216
The Distance from Centroid Target #3 to Centroid Target #1:	0.393
The Distance from Centroid Target #4 to Centroid Target #1:	0.250
The Distance from Centroid Target #5 to Centroid Target #1:	0.325

BARBER - M24 0120408

SERIAL NUMBER: E6413541. 0

TARGET NUMBER: 1

FILE DATE: 06/24/2004

FILE TIME: 06:50

POINT#	X	Y
1:	1.273	0.659
2:	0.319	0.639
3:	0.303	0.250
4:	-0.031	0.870
5:	-0.504	0.781
6:	-0.635	0.178
7:	-0.719	-0.367
8:	-0.074	-0.738
9:	0.694	-0.488
10:	0.588	-0.657

X CENTROID: 0.121

Y CENTROID: 0.113

POA TO CENTROID: 0.166

HORZ SPREAD: 1.992

VERT SPREAD: 1.608

GROUP SPREAD: 2.241

MIN RADIUS: 0.228

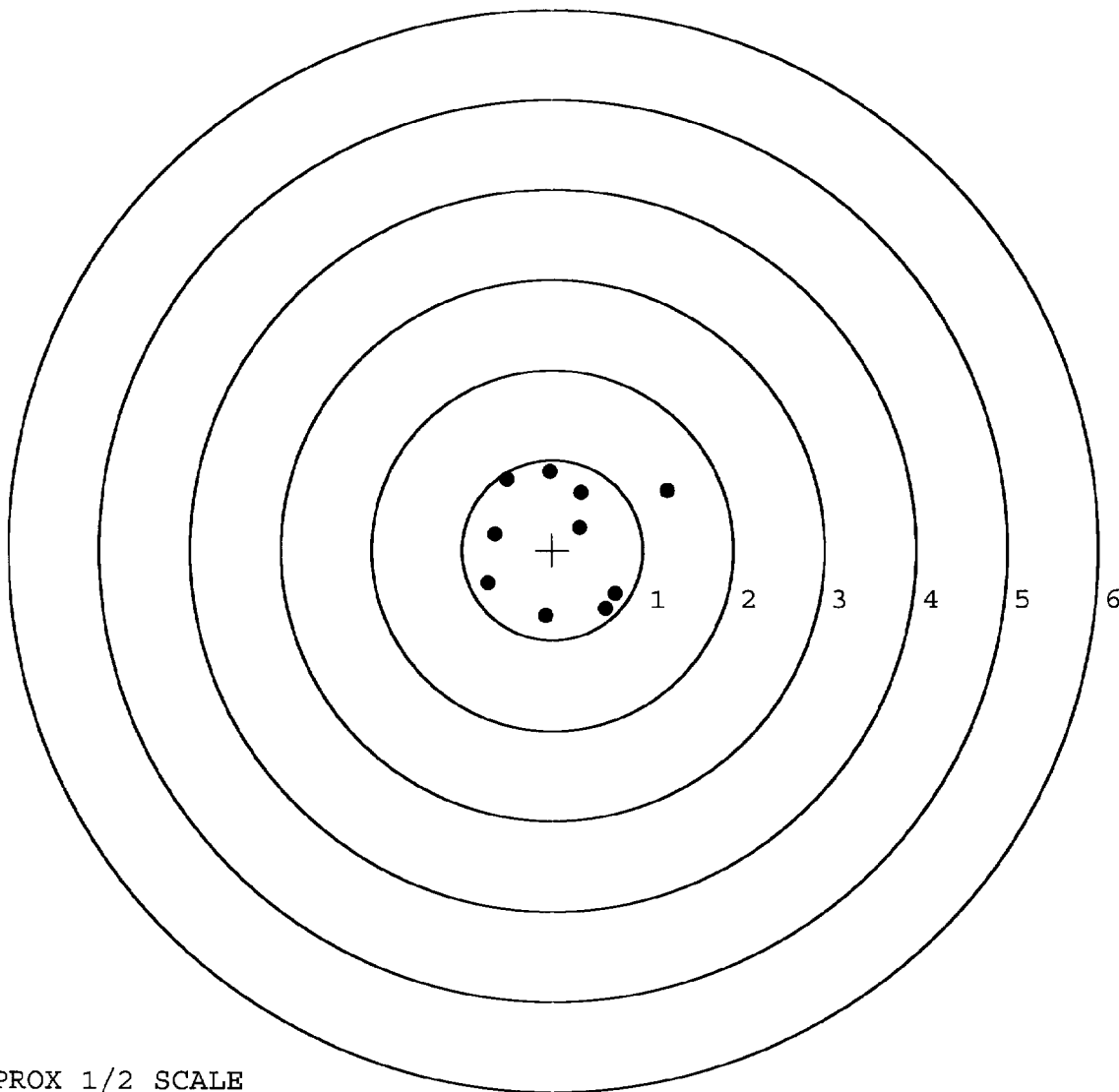
MAX RADIUS: 1.275

MEAN RADIUS: 0.808

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0120409

SERIAL NUMBER: E6413541. __0

TARGET NUMBER: 2

FILE DATE: 06/24/2004

FILE TIME: 06:50

POINT#	X	Y
1:	0.461	1.138
2:	0.264	1.283
3:	-0.250	1.185
4:	-0.607	1.053
5:	-0.337	0.534
6:	0.330	0.388
7:	0.719	0.242
8:	0.610	-0.885
9:	0.185	-0.853
10:	-0.284	-0.806

X CENTROID: 0.109

Y CENTROID: 0.328

POA TO CENTROID: 0.346

HORZ SPREAD: 1.326

VERT SPREAD: 2.168

GROUP SPREAD: 2.288

MIN RADIUS: 0.229

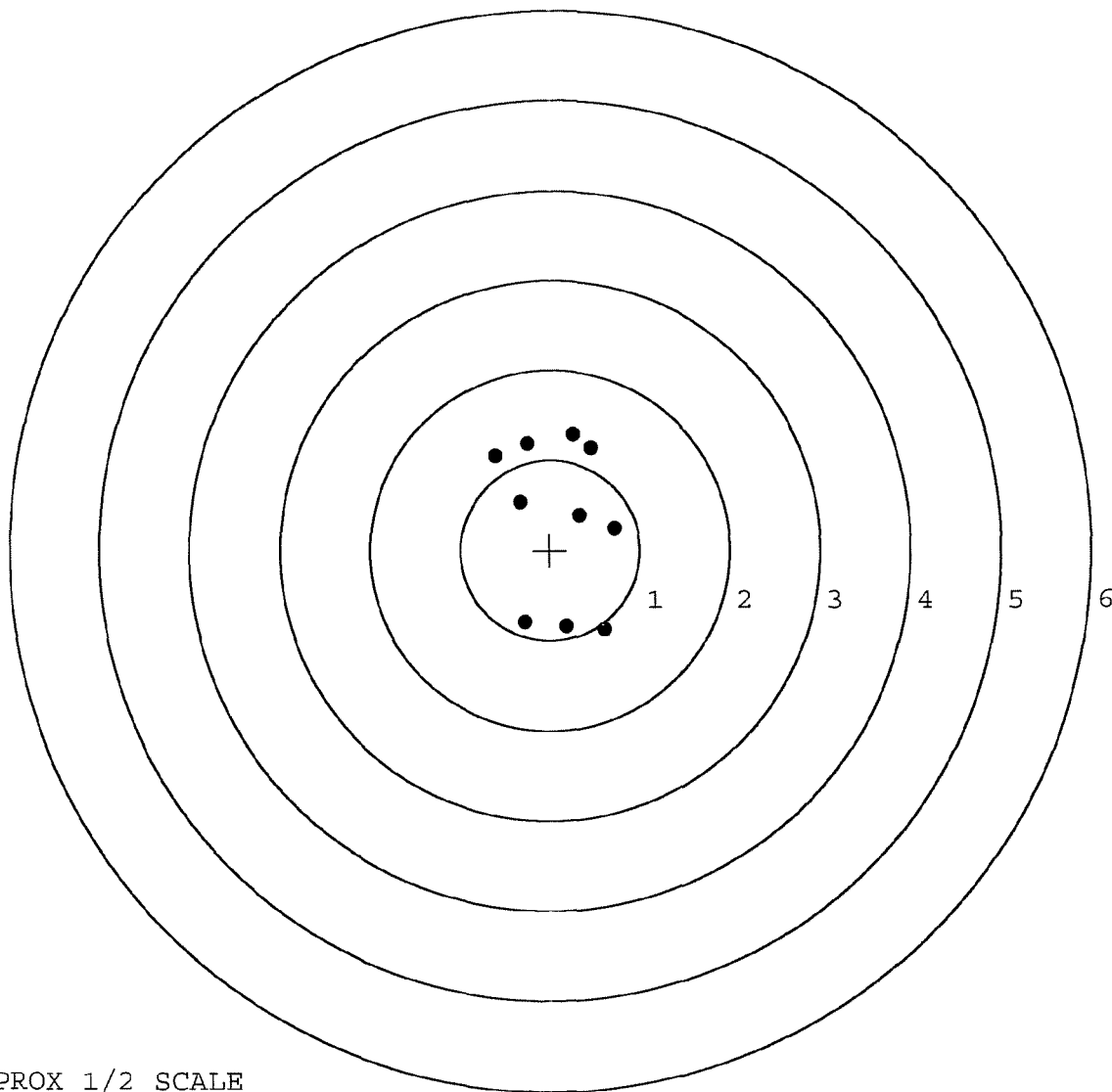
MAX RADIUS: 1.312

MEAN RADIUS: 0.883

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0120410

SERIAL NUMBER: E6413541. __0

TARGET NUMBER: 3

FILE DATE: 06/24/2004

FILE TIME: 06:50

POINT#	X	Y
1:	-1.256	1.324
2:	0.350	1.123
3:	0.183	0.676
4:	-0.248	0.512
5:	0.105	0.032
6:	0.812	-0.055
7:	-0.115	-0.457
8:	-0.415	-0.826
9:	-1.065	-0.106
10:	-1.016	-0.465

X CENTROID: -0.267

Y CENTROID: 0.176

POA TO CENTROID: 0.319

HORZ SPREAD: 2.068

VERT SPREAD: 2.150

GROUP SPREAD: 2.486

MIN RADIUS: 0.337

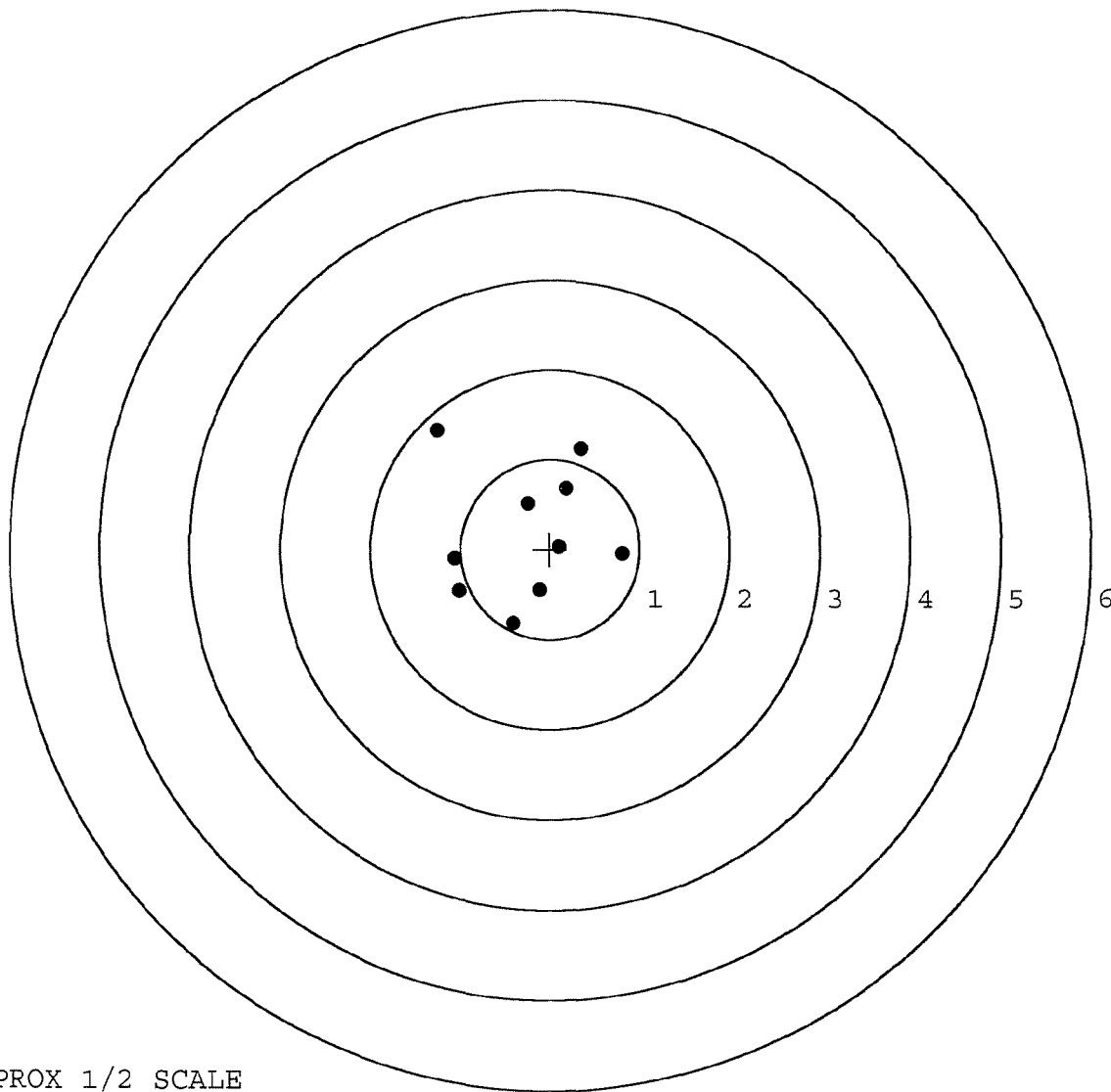
MAX RADIUS: 1.516

MEAN RADIUS: 0.865

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



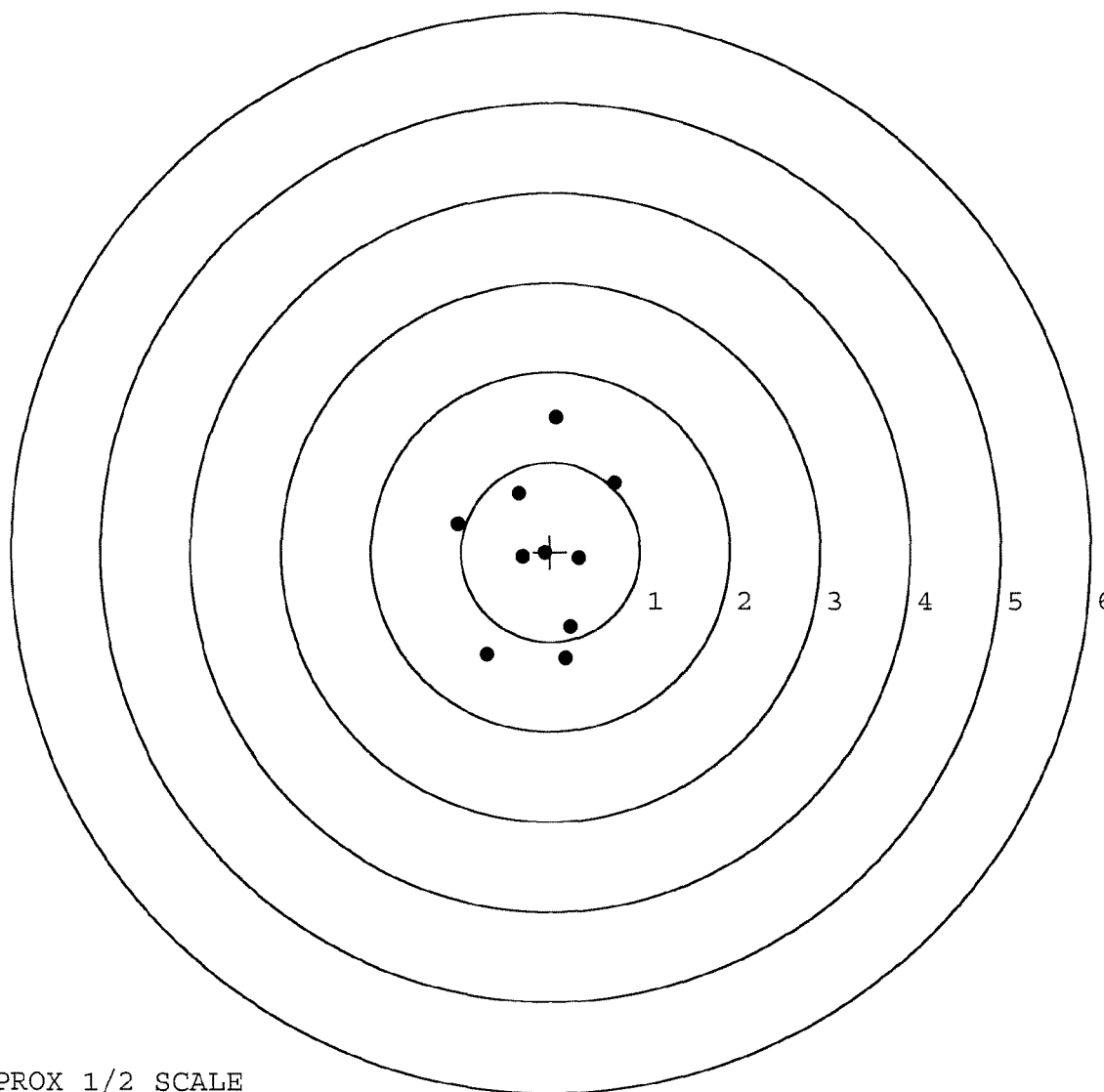
TARGET APPROX 1/2 SCALE

BARBER - M24 0120411

SERIAL NUMBER: E6413541. __0
 TARGET NUMBER: 4
 FILE DATE: 06/24/2004
 FILE TIME: 06:50

POINT#	X	Y
1:	0.715	0.768
2:	0.066	1.492
3:	-0.355	0.656
4:	-1.038	0.314
5:	0.325	-0.073
6:	-0.062	-0.010
7:	-0.309	-0.058
8:	0.221	-0.843
9:	0.178	-1.193
10:	-0.713	-1.141

X CENTROID: -0.097
 Y CENTROID: -0.009
 POA TO CENTROID: 0.098
 HORZ SPREAD: 1.753
 VERT SPREAD: 2.685
 GROUP SPREAD: 2.746
 MIN RADIUS: 0.035
 MAX RADIUS: 1.510
 MEAN RADIUS: 0.842
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0120412

SERIAL NUMBER: E6413541. __0

TARGET NUMBER: 5

FILE DATE: 06/24/2004

FILE TIME: 06:50

POINT#	X	Y
1:	1.376	1.800
2:	0.612	1.251
3:	0.479	0.973
4:	-0.410	0.381
5:	0.151	0.503
6:	0.041	0.137
7:	0.062	-0.253
8:	-0.213	0.034
9:	-0.361	-0.312
10:	-0.163	-0.154

X CENTROID: 0.157

Y CENTROID: 0.436

POA TO CENTROID: 0.464

HORZ SPREAD: 1.786

VERT SPREAD: 2.112

GROUP SPREAD: 2.735

MIN RADIUS: 0.067

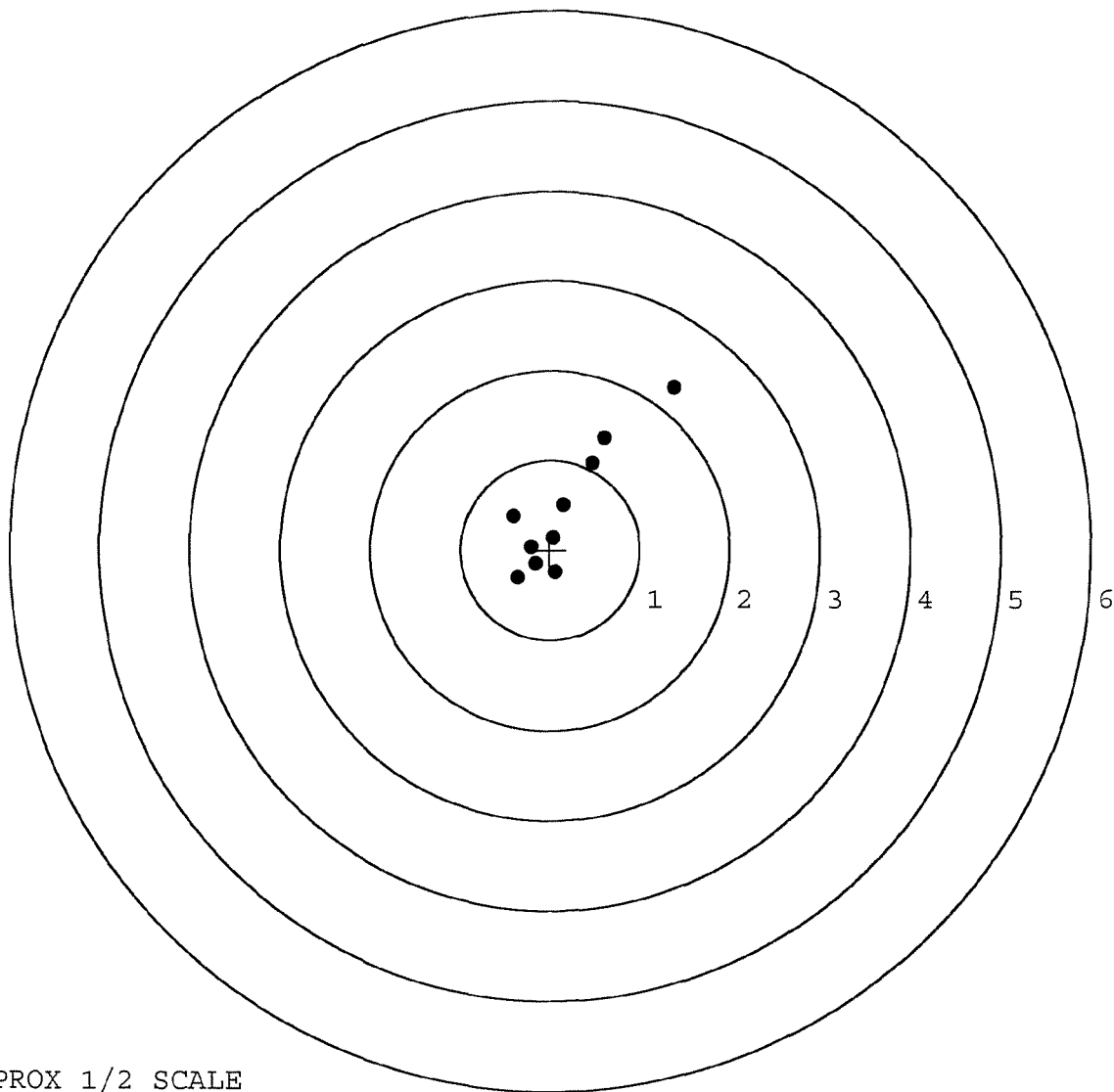
MAX RADIUS: 1.829

MEAN RADIUS: 0.717

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	81553		
SERIAL NUMBER	E10413341		
LOG-IN DATE	6-8-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-8-04	RTL
560 A	RE-BARREL	6-15-04	RTL
B	DRILL AND TAP	6-15-04	RTL
575	ASSEMBLE	6-15-04	RTL
600	PROOF	6-15-04	RTL
605	CHECK HEADSPACE	6-15-04	RTL
610	DIS-ASSEMBLE GUN	6-15-04	RTL
612	MAGNAFLUX	6-16-04	SB
615	ROLLMARK CALIBER	6-17-04	Dand.
618	ROTO-BLAST	6-22-04	TA
620	APPLY COATINGS	6-23-04	AL
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-24-04	AL
655	FINAL INSPECT	6-25-04	RTL
660	PACK	6-25-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

BARBER - M24 0120415

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413541
11 Sep 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0268
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .179
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .180995

THE AMR FOR THIS RIFLE IS: 1.204

CENTROIDAL DISTANCES

Ø TO 1 .21992
1 TO 2 .215205
1 TO 3 .448135
1 TO 4 .579714
1 TO 5 .397092

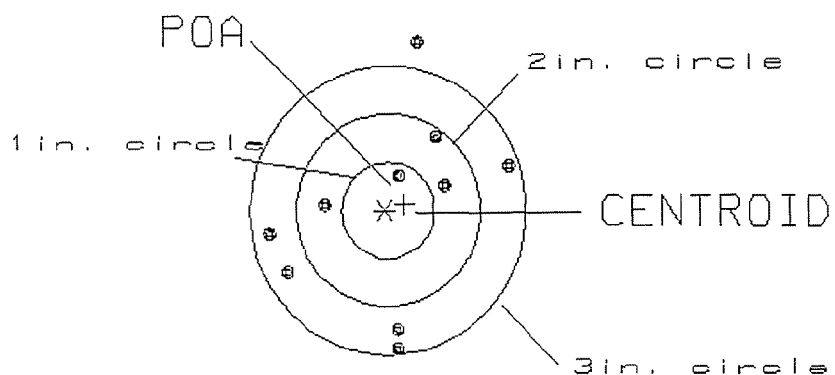
3 5 4
1 2 <----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .220
 MIN RADIUS : .411
 MEAN RADIUS : 1.121
 MAX RADIUS : 1.752
 CENTROID X : -.211
 CENTROID Y : -.062

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413541

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.63

1

VS= 3.16

4

GS= 3.19

9

BARBER - M24 0120417

REMINGTON CENTERFIRE ACCURACY TEST

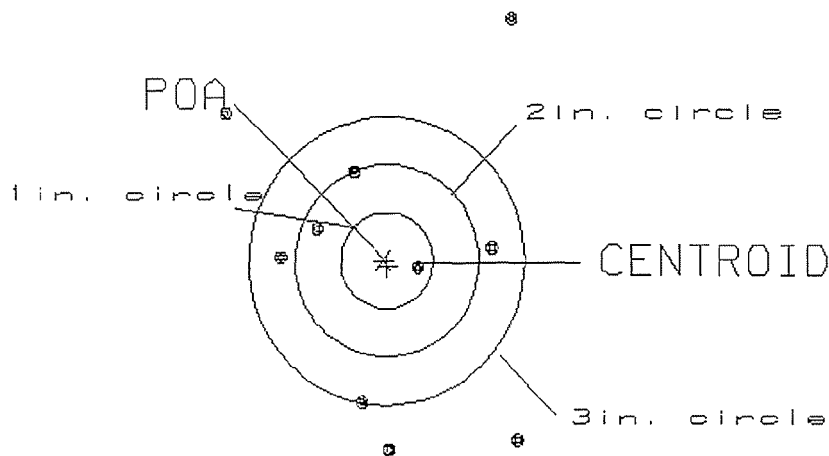
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .076
 MIN RADIUS : .384
 MEAN RADIUS : 1.560
 MAX RADIUS : 2.860
 CENTROID X : -.038
 CENTROID Y : .066

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413541

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.22

1

VS= 4.49

3

GS= 4.74

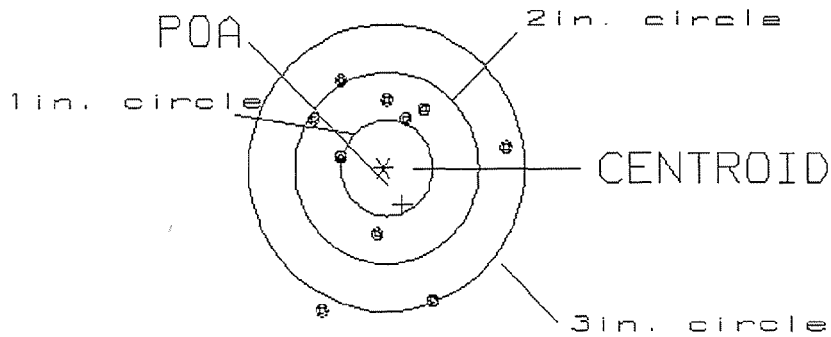
5

PATTERN #: ☐ 3 ☐
 POA TO CENTROID: .434
 MIN RADIUS : .460
 MEAN RADIUS : .942
 MAX RADIUS : 1.597
 CENTROID X : -.200
 CENTROID Y : .386

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413541

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.10
 VS= 2.33
 GS= 2.60

1
 6
 9

PATTERN #: 4

POA TO CENTROID: .377

MIN RADIUS : .573

MEAN RADIUS : 1.289

MAX RADIUS : 2.350

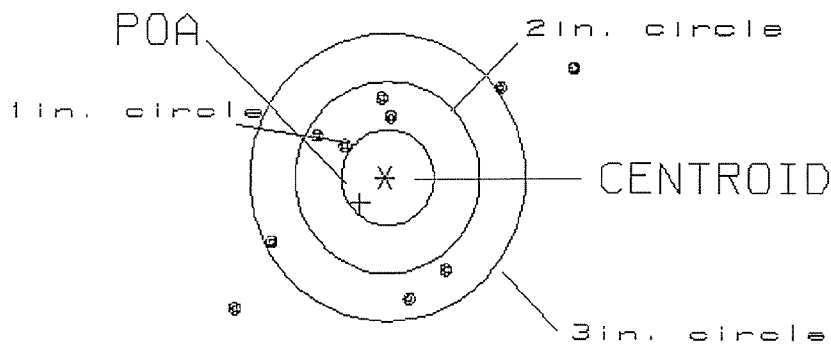
CENTROID X : .267

CENTROID Y : .266

11 Sep 2000

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6413541

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.73

0

VS= 2.58

4

GS= 4.54

7

BARBER - M24 0120420

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .244

MIN RADIUS : .144

MEAN RADIUS : 1.109

MAX RADIUS : 1.982

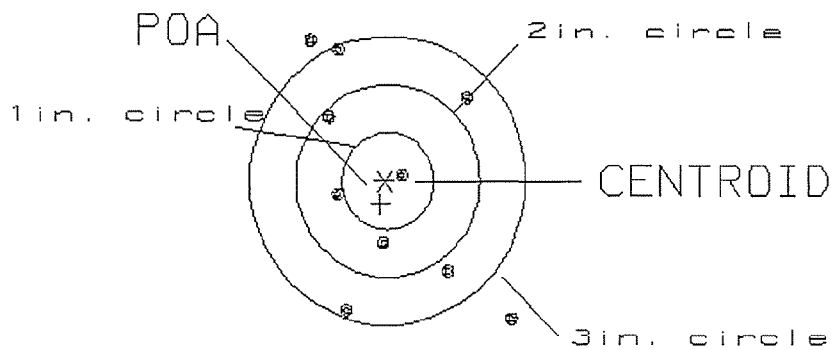
CENTROID X : .048

CENTROID Y : .239

11 Sep 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413541

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.24

1

US= 2.89

4

GS= 3.65

9

Final Inspection

Sn: E6413541

DATE REC'D: 5-12-00

DATE RET'D:

Auditor: RW

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

Misc.

☐ DD-350☐ BAR CODE☐ PACKAGING

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:

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

R & E NUMBER	0000 9443		
SERIAL NUMBER	E 6413541		
LOG-IN DATE	5-12-00		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-15-00	Rw
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	5-23-00	Rw
605	CHECK HEADSPACE	5-23-00	Rw
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY	9-5-00	OK
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	9-7-00	Rw
655	FINAL INSPECT	9-11-00	Rw
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			