

C6349047

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00135357

Serial: C6349047 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 10/16/2007 7:32:07 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: COMMANDER OF KILO 2/11 ACR

COMMANDER OF KILO 2/11 ACR

Address 1: P.O. BOX 105050

P.O. BOX 105050

Address 2: PO Box:

PO Box:

City: FORT IRWIN

FORT IRWIN

State: CA Zip Code: 92310

Country: US

State: CA Zip Code: 92310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

10/16/2007

10:00 AM

CAPS

NUM

INS

SCRL

start

2 Microsoft Of...

3 Internet Exp...

Microsoft Excel -...

Arms Services R...

10:00 AM

Serial
Number:

C6349047

Model: M24 SWS



RE00135357

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349047.___0

FILE DATE AND TIME: 12/10/2007 12:51

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.078
The Average Y Centroid of the Five Target Set:	-0.023
The Average Point of Impact of the Five Target Set:	0.081
The Average Mean Radius of the Five Target Set:	0.770
The Distance from POA to Centroid Target #1:	0.036
The Distance from Centroid Target #2 to Centroid Target #1:	0.051
The Distance from Centroid Target #3 to Centroid Target #1:	0.157
The Distance from Centroid Target #4 to Centroid Target #1:	0.048
The Distance from Centroid Target #5 to Centroid Target #1:	0.080

BARBER - M24 0106612

SERIAL NUMBER: C6349047. __0

TARGET NUMBER: 1

FILE DATE: 12/10/2007

FILE TIME: 12:51

POINT#	X	Y
1:	0.432	-1.154
2:	-0.203	-0.655
3:	-0.874	-0.476
4:	-0.425	-0.084
5:	0.808	-0.506
6:	0.595	0.363
7:	0.446	0.740
8:	-0.069	0.656
9:	-0.595	1.270
10:	-0.474	-0.105

X CENTROID: -0.036

Y CENTROID: 0.005

POA TO CENTROID: 0.036

HORZ SPREAD: 1.682

VERT SPREAD: 2.424

GROUP SPREAD: 2.633

MIN RADIUS: 0.399

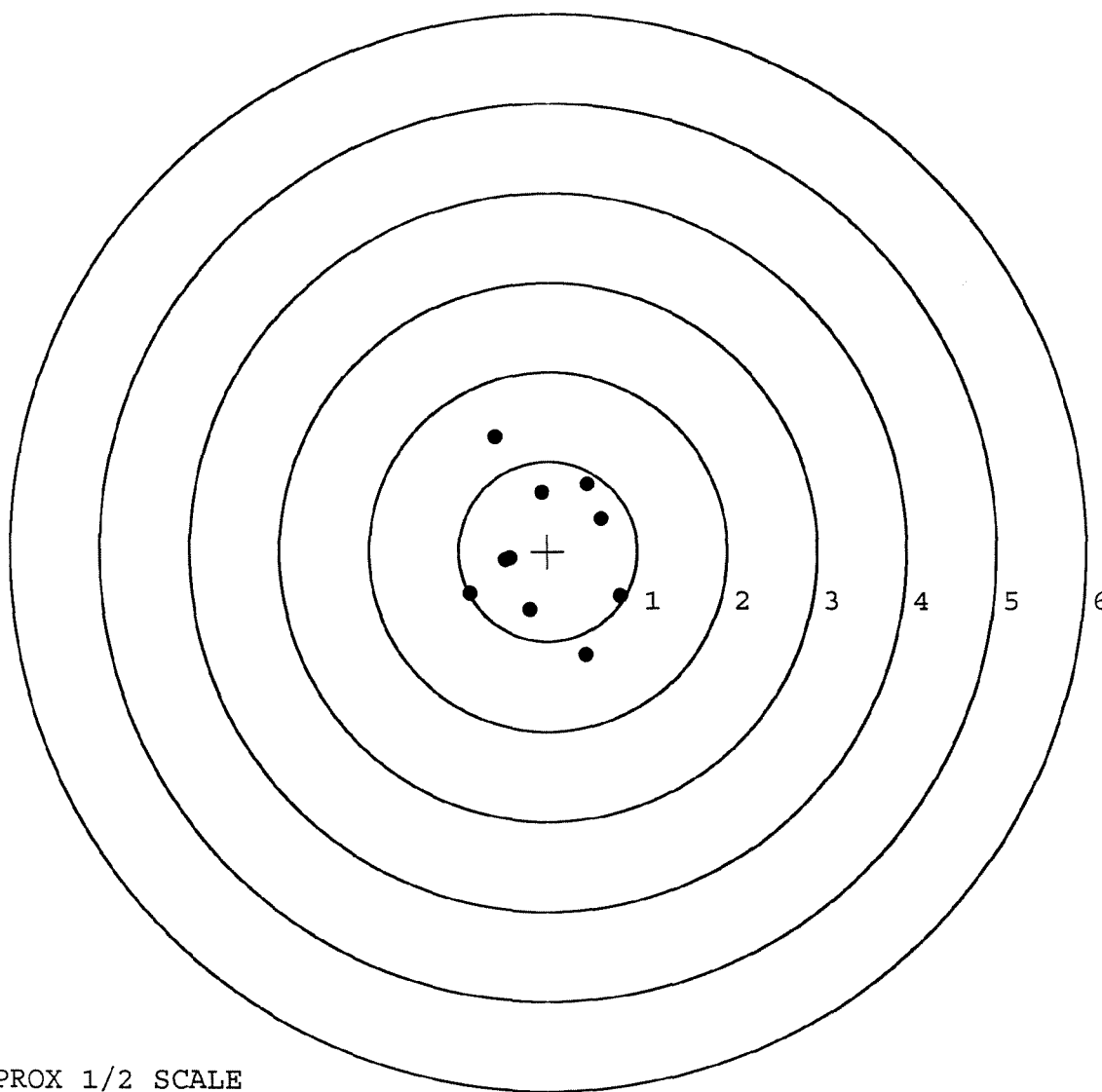
MAX RADIUS: 1.383

MEAN RADIUS: 0.837

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



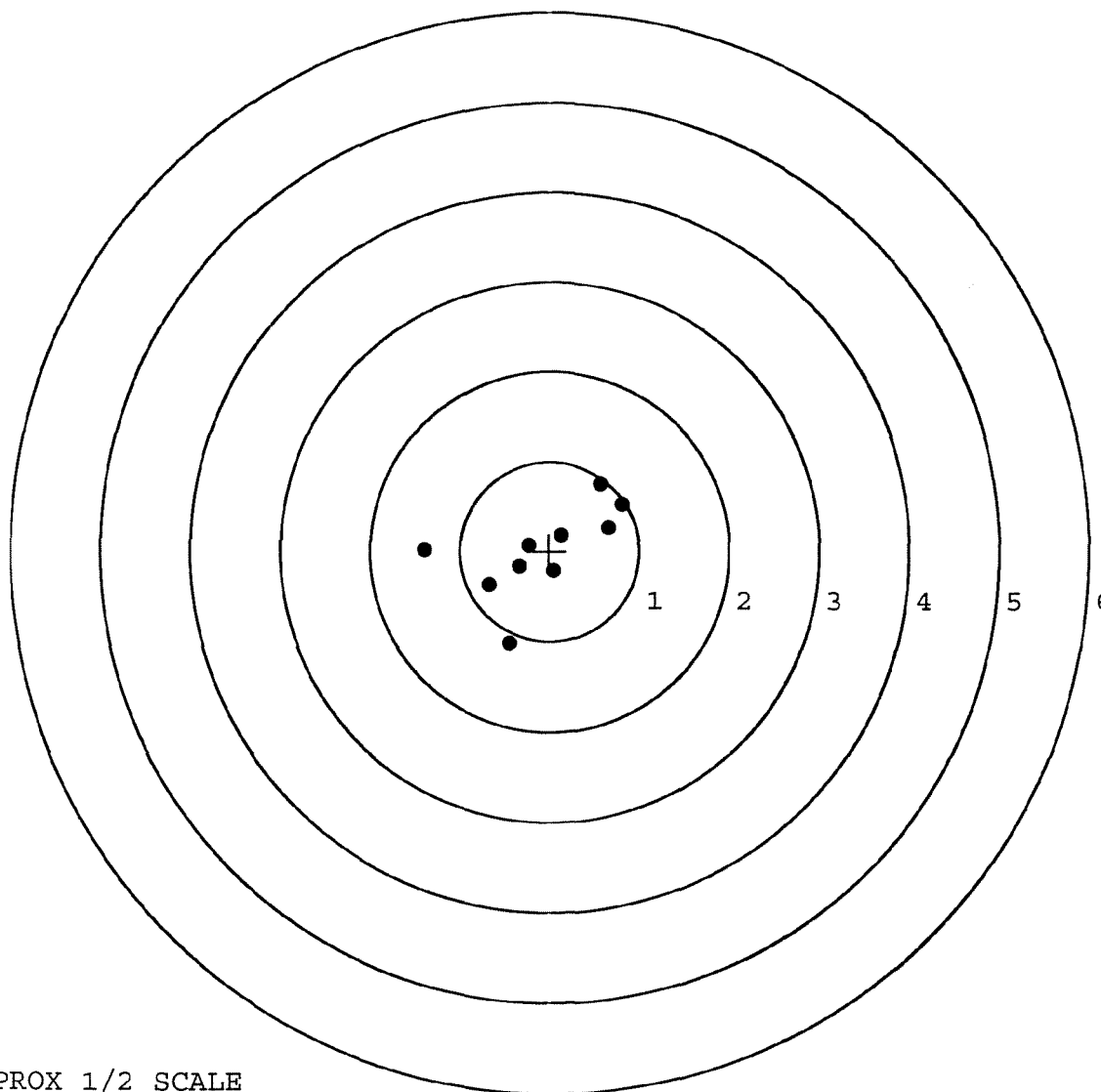
TARGET APPROX 1/2 SCALE

BARBER - M24 0106613

SERIAL NUMBER: C6349047. __0
 TARGET NUMBER: 2
 FILE DATE: 12/10/2007
 FILE TIME: 12:51

POINT#	X	Y
1:	0.571	0.757
2:	0.808	0.522
3:	0.657	0.265
4:	0.130	0.177
5:	0.053	-0.224
6:	-0.453	-1.031
7:	-0.675	-0.378
8:	-1.387	0.016
9:	-0.230	0.061
10:	-0.339	-0.167

X CENTROID: -0.086
 Y CENTROID: 0.000
 POA TO CENTROID: 0.087
 HORZ SPREAD: 2.195
 VERT SPREAD: 1.788
 GROUP SPREAD: 2.253
 MIN RADIUS: 0.156
 MAX RADIUS: 1.301
 MEAN RADIUS: 0.692
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0106614

SERIAL NUMBER: C6349047. 0

TARGET NUMBER: 3

FILE DATE: 12/10/2007

FILE TIME: 12:51

POINT#	X	Y
1:	-1.237	0.822
2:	-1.347	0.647
3:	-0.393	0.813
4:	0.554	0.497
5:	0.857	-0.023
6:	0.593	-0.727
7:	-0.002	0.036
8:	-0.031	-0.647
9:	-0.338	-0.794
10:	-0.546	-0.916

X CENTROID: -0.189

Y CENTROID: -0.029

POA TO CENTROID: 0.191

HORZ SPREAD: 2.204

VERT SPREAD: 1.738

GROUP SPREAD: 2.398

MIN RADIUS: 0.198

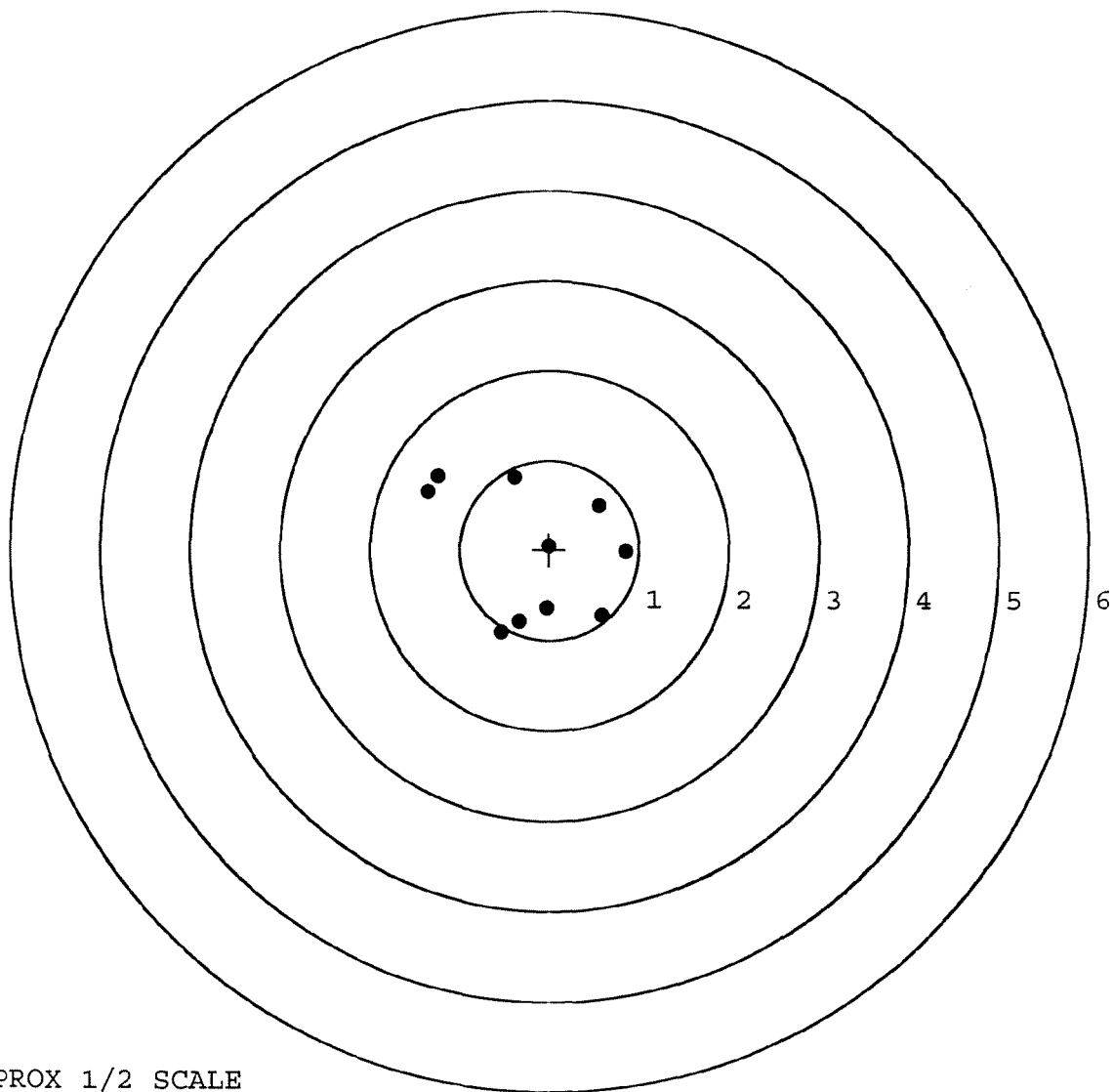
MAX RADIUS: 1.350

MEAN RADIUS: 0.913

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0106615

SERIAL NUMBER: C6349047. __0

TARGET NUMBER: 4

FILE DATE: 12/10/2007

FILE TIME: 12:51

POINT#	X	Y
--------	---	---

1:	-0.844	-1.056
----	--------	--------

2:	0.109	-0.918
----	-------	--------

3:	-0.188	-0.693
----	--------	--------

4:	0.053	-0.428
----	-------	--------

5:	0.525	0.105
----	-------	-------

6:	-0.707	0.900
----	--------	-------

7:	0.341	0.686
----	-------	-------

8:	0.147	0.330
----	-------	-------

9:	0.027	0.529
----	-------	-------

10:	-0.205	0.305
-----	--------	-------

X CENTROID: -0.074

Y CENTROID: -0.024

POA TO CENTROID: 0.078

HORZ SPREAD: 1.369

VERT SPREAD: 1.956

GROUP SPREAD: 2.107

MIN RADIUS: 0.354

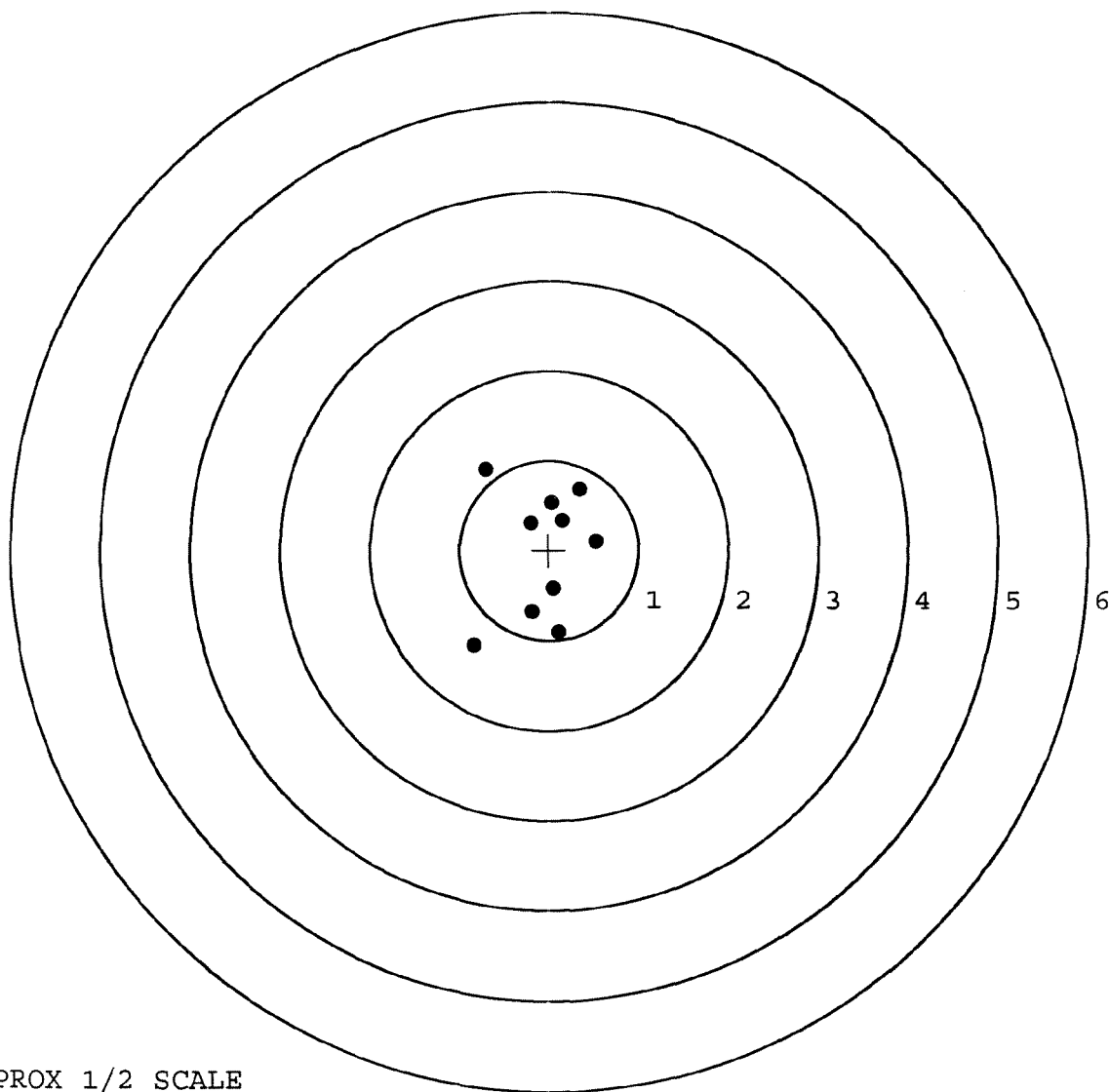
MAX RADIUS: 1.287

MEAN RADIUS: 0.719

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0106616

SERIAL NUMBER: C6349047. 0

TARGET NUMBER: 5

FILE DATE: 12/10/2007

FILE TIME: 12:51

POINT#	X	Y
1:	-1.650	-0.383
2:	0.026	-0.518
3:	0.403	-0.520
4:	1.040	-0.044
5:	0.744	0.255
6:	0.294	0.377
7:	0.062	0.185
8:	-0.458	-0.017
9:	-0.437	0.427
10:	-0.066	-0.443

X CENTROID: -0.004

Y CENTROID: -0.068

POA TO CENTROID: 0.068

HORZ SPREAD: 2.690

VERT SPREAD: 0.947

GROUP SPREAD: 2.711

MIN RADIUS: 0.262

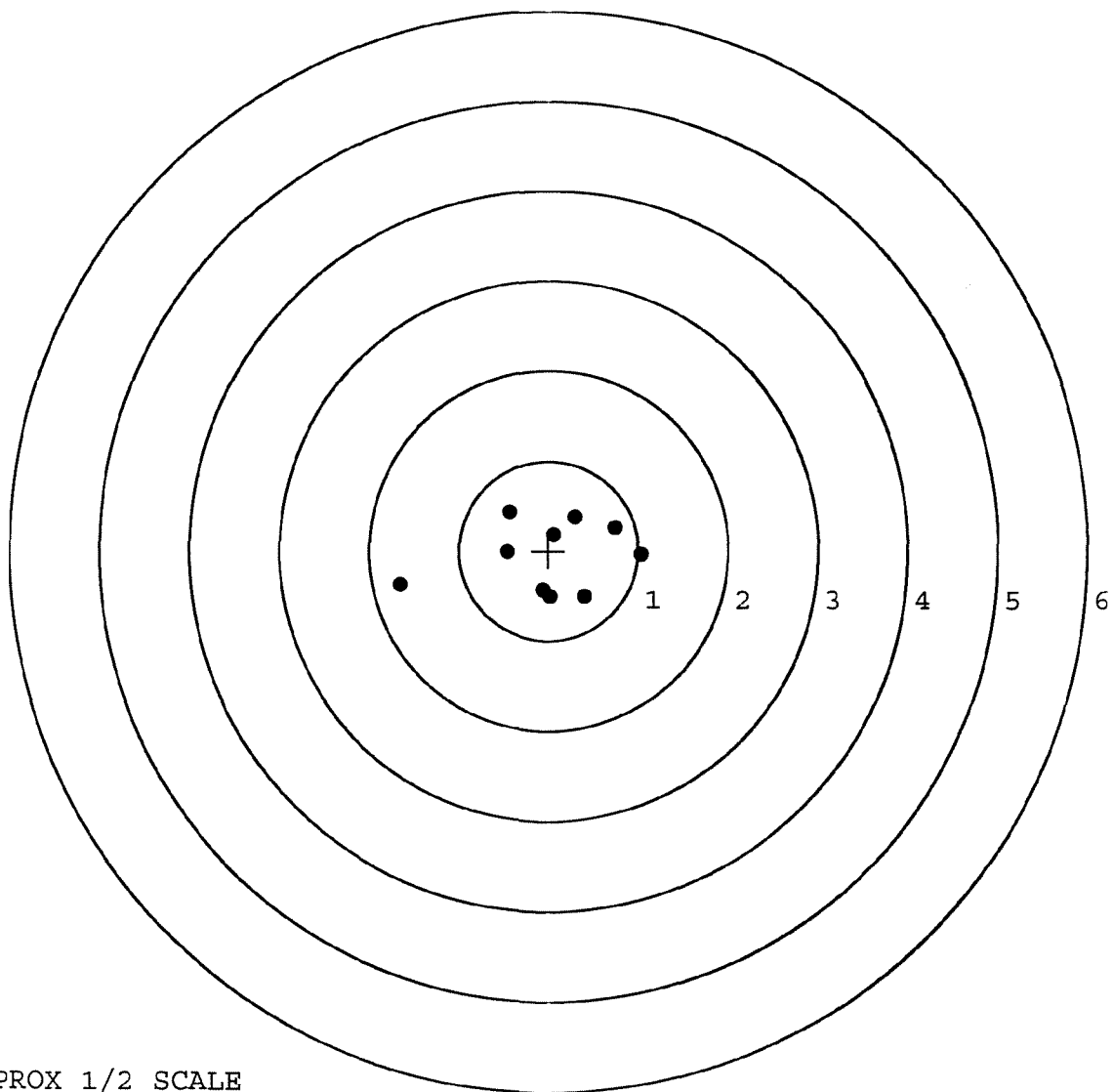
MAX RADIUS: 1.676

MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 135357SERIAL NUMBER C 6349047LOG-IN DATE 10-16-07

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	11-06-07	RTZ
505	RE-BARREL	11-08-07	RTZ
560	ASSEMBLE	11-8-07	RTZ
600	PROOF	11-12-07	TRW
605	CHECK HEADSPACE	11-12-07	TRW
610	DIS-ASSEMBLE GUN	11-08-07	RTZ
612	MAGNAFLUX	11-14-07	JB
510	DRILL AND TAP	11-13-07	TRW
615	ROLLMARK CALIBER	11-13-07	CW
618	ROTO-BLAST	11-14-07	JY
620	APPLY COATINGS	11/27/07	RTZ
625	FINAL ASSEMBLY	12-7-07	RTZ
640	FUNCTION TEST AND	PASS FAIL 12-10-07	TRW
650	TARGET	PASS FAIL 12-10-07	TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	12-10-07	FM
	A) HEADSPACE	PASS FAIL 12-11-07	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 2.55 2.57 2.75 2.83 2.77 12-11-07	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 4.5 4.5 4.5 12-11-07	DA
	G) SAFETY OFF FORCE	2 LBS 3.5 3.5 3.5 12-11-07	DA
	I) FIRING PIN INDENT	.020 .021 .021 .021 12-11-07	DA
690	PACK	1-2-08	DA

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349047

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 30	90	RW
600	Proof	1 30	90	A
607	Check Headspace	1 30	90	A
610	Dis-assemble Gun	1 30	90	RW
612	Magnaflux Barrel Action	2-5-90		KCR
	Magnaflux Bolt	2-5-90		
615	Rollmark Caliber	2-5-90		ES
617	Drill and Tap Sight Holes	2-5-90		FB
618	Polish Barrel RB	2-5-90		WB
620	Apply Coatings (Barrel Action)		2-17-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/90	WB
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/90	DM

BARBER - M24 0106619		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	5	5	5			4/19/90	gll
	G) Safety Off Force	3	3	3			4/19/90	gll
	H) Trigger Pull Test & Retainability						4/18/90	gll
	I) Firing Pin Indent	.0215	.0215	.0215			4/19/90	gll
	J) Assemble Stock						4/19/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/19/90	RW
	M) Iron Sight Alignment						4/19/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/19/90	RW
	O) Attach Scope to Rifle						4/20/90	RW
	P) Detach & Attach Scope 20 Times						4/20/90	RW
640	Gallery Target & Test						4-23-90	AC
	A) Time						4-23-90	AC
	B) Malfunctions						4-23-90	AC
	C) Pierced Primers						4-23-90	AC
	D) Optical Clarity of Scope						4-23-90	AC
645	Inspect for Live Ammo						4-23-90	AC
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	2.67	2.65	2.56	2.69	2.69	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-19-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C63 49047DATE 4/18/90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.31	2.53	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.21	2.55	2.65	
PULL #3	2.12	2.26	2.49	2.56	
PULL #4	2.46	2.28	2.45	2.69	
PULL #5	2.49	2.30	2.45	2.69	
TOTAL	11.86	11.36	12.47		
AVG.	2.372	2.272	2.494		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.34		
PULL #2	3.27	3.38		
PULL #3	3.30	3.46		
PULL #4	3.32	3.46		
PULL #5	3.31	3.41		
TOTAL	16.45	17.05		
AVG.	3.29	3.41		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.35		4.79
PULL #2	4.12	4.38		4.40
PULL #3	4.40	4.32		4.50
PULL #4	4.42	4.35		4.49
PULL #5	4.33	4.31		4.45
TOTAL	21.68	21.71		21.93
AVG.	4.336	4.342		4.386

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

SERIAL NO.
C6349047

ORDER NO.
5716

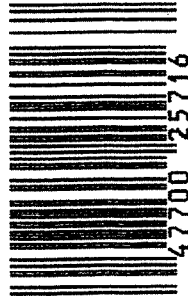
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

Ø1



5716 C6349047

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349047
23 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.53668
1 TO	2	.593933
1 TO	3	.689073
1 TO	4	.780208
1 TO	5	.588738

$\bar{x}_c = 1$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0064
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1712
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .175027
THE AMR FOR THIS RIFLE IS: .8396

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349047

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HSE = 2.259

VSE = 1.772

CSE = 2.429

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.947

.801

.878

MINIMUM X

-1.312

-1.223

-1.147

MAXIMUM Y

.953

.918

.775

MINIMUM Y

-.819

-.854

-.740

CENTROID X

.398

.544

.467

CENTROID Y

.360

.395

.281

POA TO CENTROID in.

.537

.672

.545

MIN RADIUS

.245

.291

.162

MEAN RADIUS

.920

.859

.810

MAX RADIUS

1.350

1.245

1.152

HORIZONTAL SPREAD

2.259

2.024

2.024

VERTICAL SPREAD

1.772

1.772

1.515

EXTREME SPREAD

2.429

2.164

2.084

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

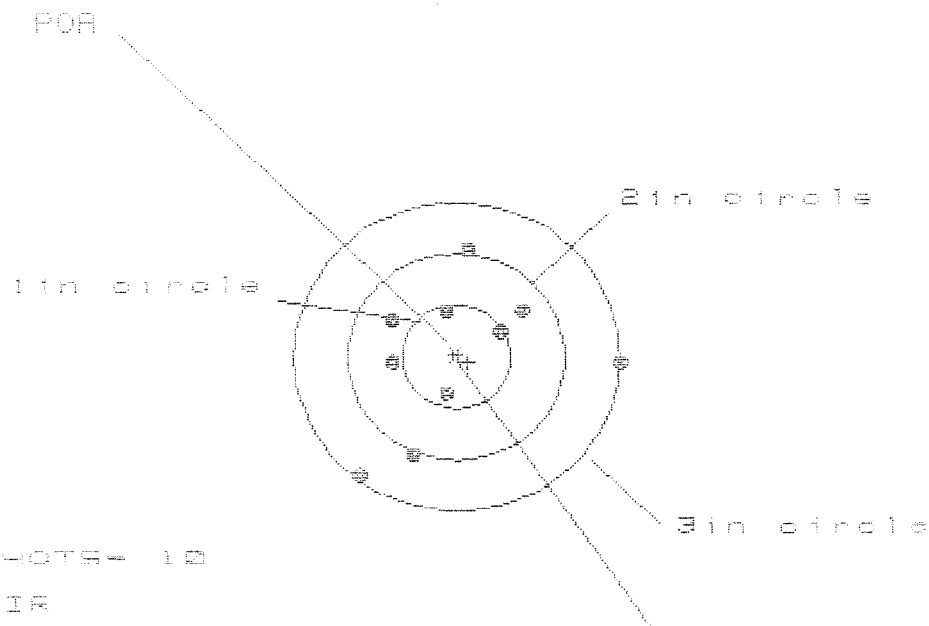
NUMBER IN THREE INCH CIRCLE =

10

23 Apr 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C0349047

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HD= 2.434

VB= 2.124

GS= 2.661

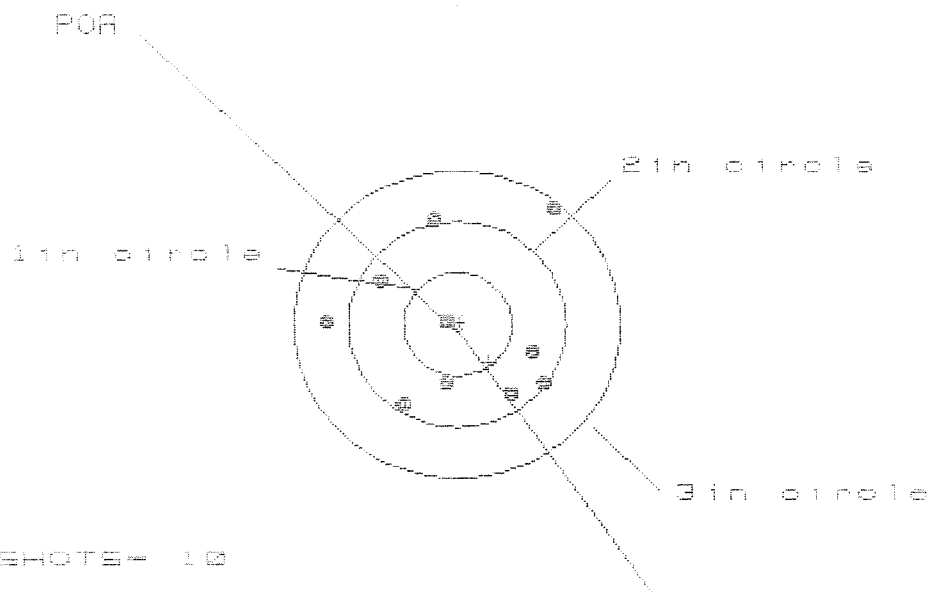
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.527	.738	.646
MINIMUM X	-.986	-.737	-.484
MAXIMUM Y	1.013	1.009	.870
MINIMUM Y	-1.111	-1.115	-1.090
CENTROID X	-.108	-.277	-.185
CENTROID Y	.049	.053	.192
POA TO CENTROID in.	.118	.282	.267
MIN RADIUS	.382	.364	.275
MEAN RADIUS	.828	.733	.637
MAX RADIUS	1.528	1.336	1.149
HORIZONTAL SPREAD	2.434	1.475	1.130
VERTICAL SPREAD	2.124	2.124	1.960
EXTREME SPREAD	2.661	2.357	2.038
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349047

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HSE = 2.055

VSE = 1.888

ESE = 2.352

CENTROID *

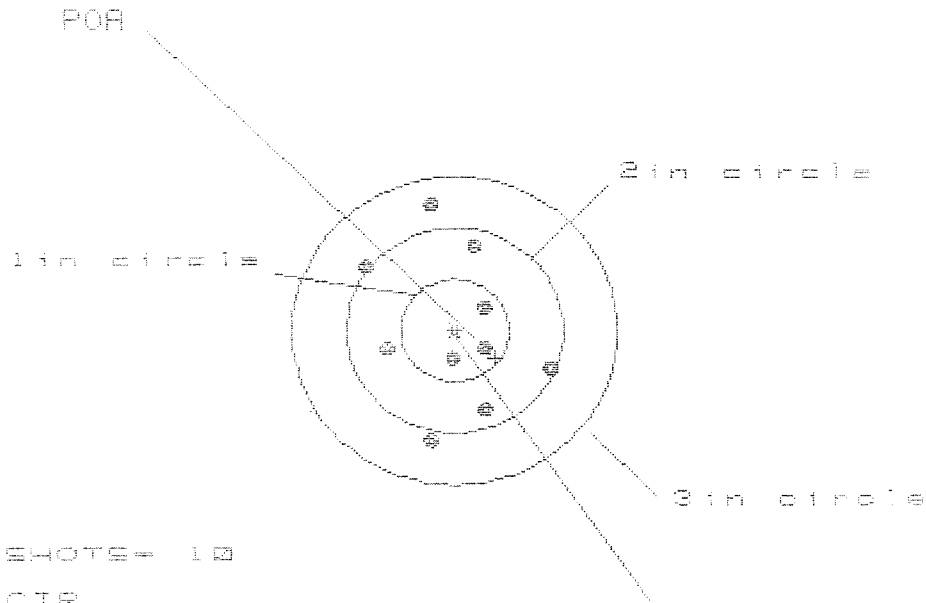
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.894	.855	.723
MINIMUM X	-1.161	-1.062	-.750
MAXIMUM Y	1.165	1.194	1.217
MINIMUM Y	-.723	-.594	-.571
CENTROID X	-.291	-.390	-.258
CENTROID Y	.370	.241	.218
POA TO CENTROID in.	.471	.459	.337
MIN RADIUS	.147	.170	.257
MEAN RADIUS	.873	.784	.740
MAX RADIUS	1.468	1.204	1.250
HORIZONTAL SPREAD	2.055	1.917	1.473
VERTICAL SPREAD	1.888	1.788	1.788
EXTREME SPREAD	2.352	2.023	1.937
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349847

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

MEAN = 1.258

VSD = 2.311

GS = 2.311

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.907	.881	.850
MINIMUM X	-.851	-.877	-.968
MAXIMUM Y	1.254	.933	.818
MINIMUM Y	-1.057	-.918	-.756
CENTROID X	-.377	-.351	-.320
CENTROID Y	.270	.131	.246
POA TO CENTROID in.	.464	.375	.404
MIN RADIUS	.278	.138	.256
MEAN RADIUS	.765	.681	.651
MAX RADIUS	1.274	1.184	1.135
HORIZONTAL SPREAD	1.758	1.758	1.758
VERTICAL SPREAD	2.311	1.851	1.574
EXTREME SPREAD	2.311	2.051	2.051
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349047

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.711

VS= 2.354

GS= 2.562

PATTERN #

5

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.684	.570	.598
MINIMUM X	:	-1.027	-.771	-.743
MAXIMUM Y	:	1.133	1.235	1.096
MINIMUM Y	:	-1.221	-1.119	-1.017
CENTROID X	:	.196	.310	.282
CENTROID Y	:	-.193	-.295	-.156
POA TO CENTROID in.	:	.274	.428	.322
MIN RADIUS	:	.315	.282	.295
MEAN RADIUS	:	.812	.735	.679
MAX RADIUS	:	1.383	1.235	1.180
HORIZONTAL SPREAD	:	1.711	1.341	1.341
VERTICAL SPREAD	:	2.354	2.354	2.113
EXTREME SPREAD	:	2.562	2.363	2.186
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	