

C6522287

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: **RE00112949** Serial: C6522287 Model: M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Produced: 09/19/1990 Repairman: Status: New 5/30/2006 10:35:33 AM

Address Information

Customer: Received From: Return To: Received From:

Name: C CO SPT BN SWTG (A) POC JERRY SCREEN C CO SPT BN SWTG (A) POC JERRY SCREEN

Address 1: ARMAMENT FACILITY BLDG D-1307 ARMAMENT FACILITY BLDG D-1307

Address 2: GRUBER ROAD PO Box: GRUBER ROAD 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: NA 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
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

maglev 5/31/2006 10:28 AM CAPS NUM INS SCRL

start 2 Micros... 2 Micros... 3 Intern... Arms Ser... Part Sear... 10:28 AM

Serial Number: **C6522287**

Model: **M24 SWS**



RE00112949

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522287.___0
FILE DATE AND TIME: 11/03/2004 08:58

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.086
The Average Y Centroid of the Five Target Set:	-0.078
The Average Point of Impact of the Five Target Set:	0.116
The Average Mean Radius of the Five Target Set:	0.642
The Distance from POA to Centroid Target #1:	0.099
The Distance from Centroid Target #2 to Centroid Target #1:	0.180
The Distance from Centroid Target #3 to Centroid Target #1:	0.057
The Distance from Centroid Target #4 to Centroid Target #1:	0.028
The Distance from Centroid Target #5 to Centroid Target #1:	0.243

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 1

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: -0.084

Y CENTROID: -0.054

POA TO CENTROID: 0.099

HORZ SPREAD: 2.135

VERT SPREAD: 1.846

GROUP SPREAD: 2.135

MIN RADIUS: 0.317

MAX RADIUS: 1.232

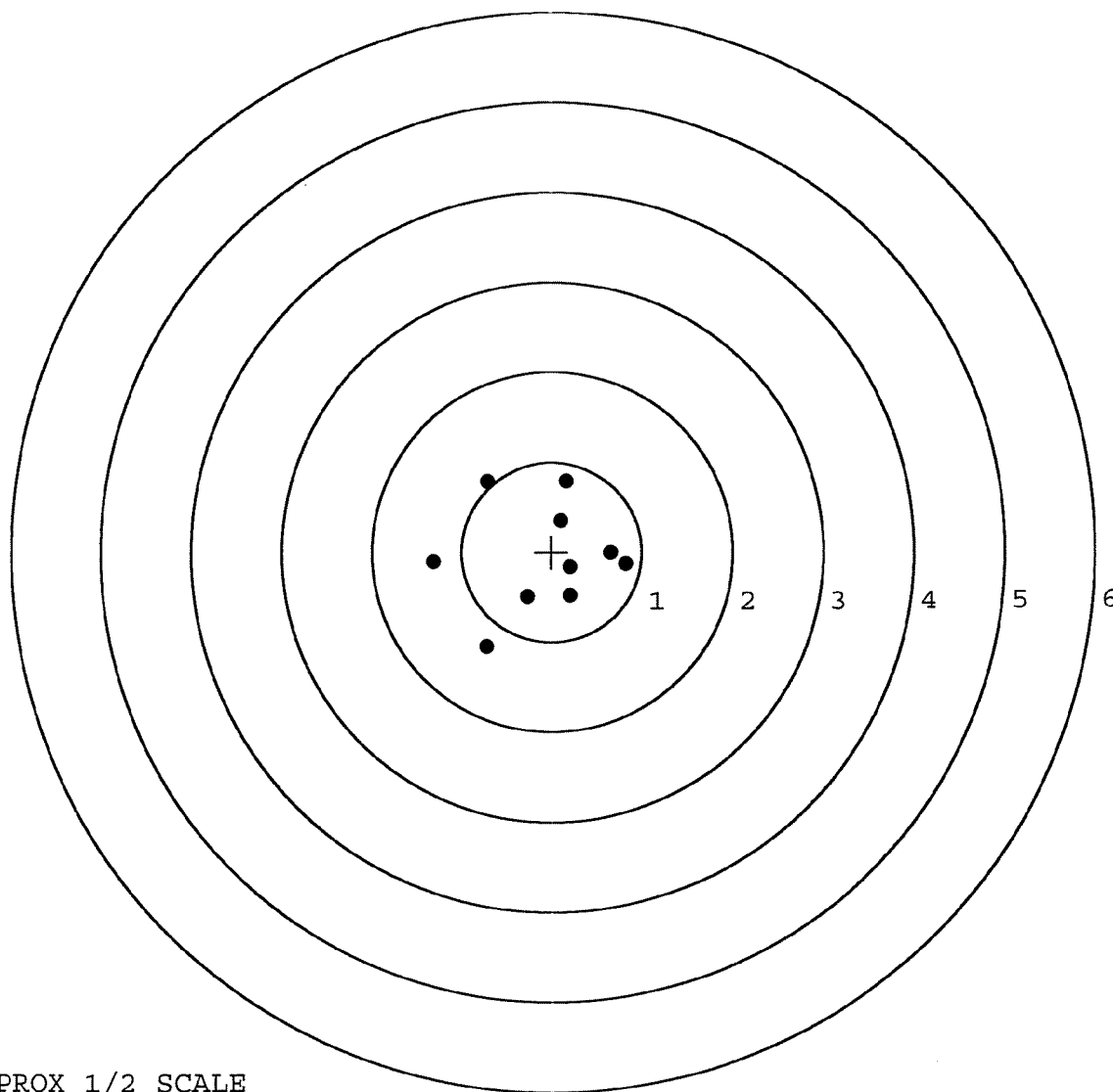
MEAN RADIUS: 0.778

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.821	-0.138
2:	0.658	-0.009
3:	0.212	-0.167
4:	0.212	-0.493
5:	-0.271	-0.500
6:	-0.724	-1.054
7:	-1.314	-0.111
8:	-0.707	0.791
9:	0.109	0.353
10:	0.169	0.792



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 2

FILE DATE: 11/03/2004

FILE TIME: 08:58

POINT#	X	Y
1:	0.754	0.253
2:	0.334	-0.359
3:	-0.037	-0.634
4:	-0.414	-0.506
5:	-1.111	-0.749
6:	-0.977	0.628
7:	-0.785	0.400
8:	-0.312	0.644
9:	-0.166	0.290
10:	0.198	0.127

X CENTROID: -0.252

Y CENTROID: 0.009

POA TO CENTROID: 0.252

HORZ SPREAD: 1.865

VERT SPREAD: 1.393

GROUP SPREAD: 2.117

MIN RADIUS: 0.293

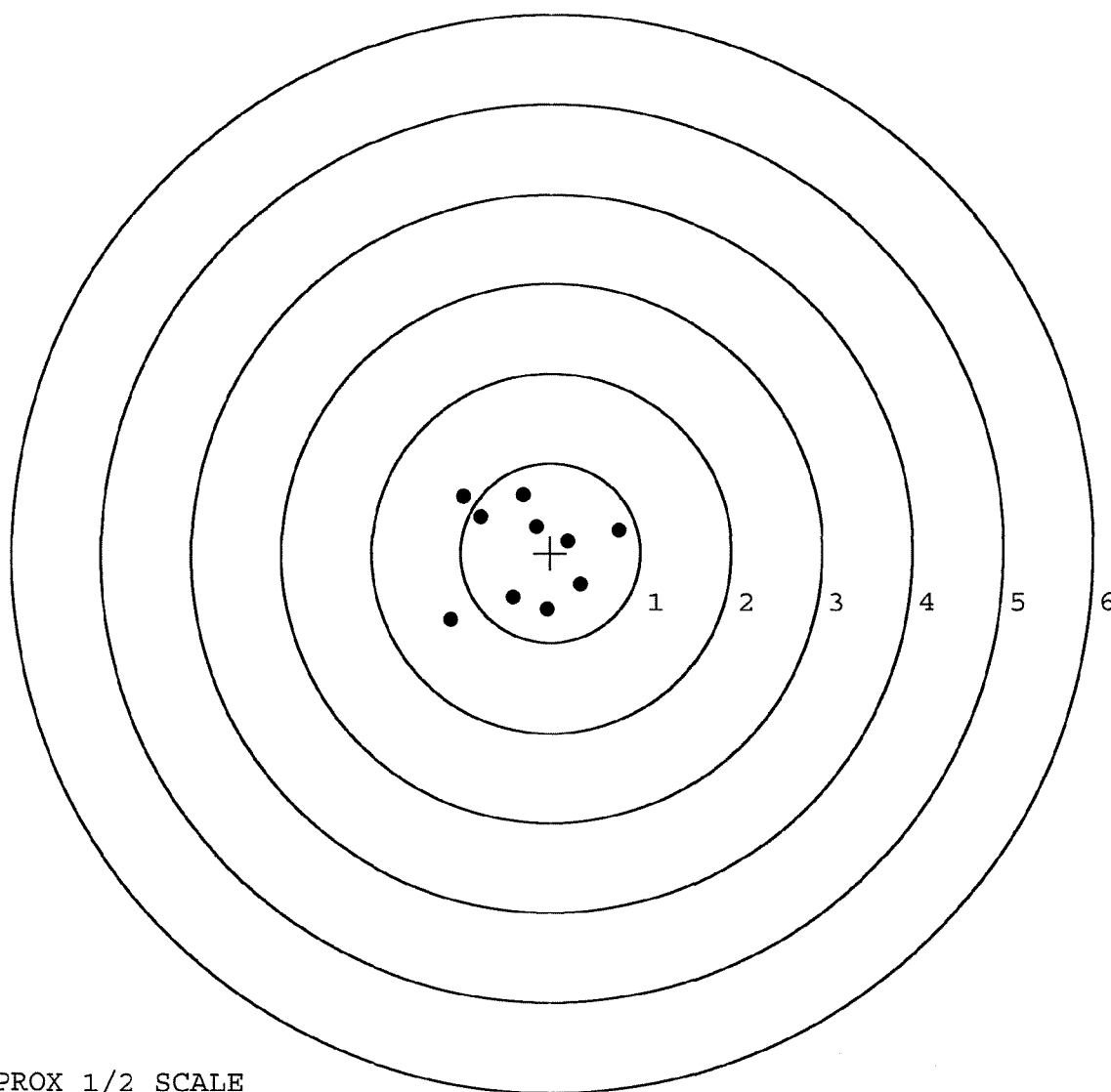
MAX RADIUS: 1.146

MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 3

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: -0.059

Y CENTROID: -0.002

POA TO CENTROID: 0.059

HORZ SPREAD: 1.577

VERT SPREAD: 1.023

GROUP SPREAD: 1.712

MIN RADIUS: 0.388

MAX RADIUS: 0.947

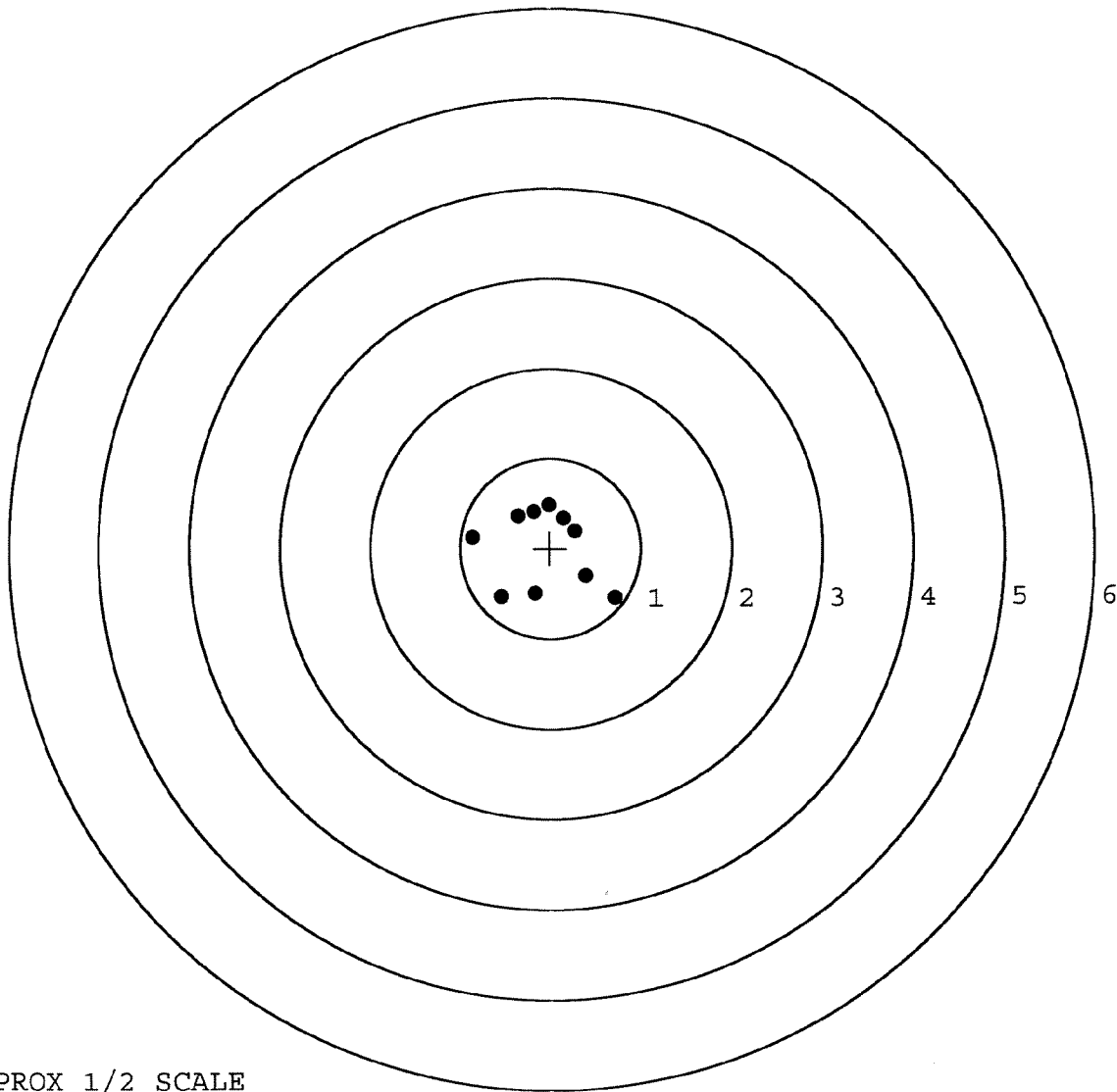
MEAN RADIUS: 0.569

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.716	-0.547
2:	0.396	-0.309
3:	-0.169	-0.504
4:	-0.545	-0.535
5:	-0.861	0.120
6:	0.278	0.190
7:	0.149	0.327
8:	-0.017	0.476
9:	-0.181	0.404
10:	-0.357	0.355



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 4

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: -0.080

Y CENTROID: -0.081

POA TO CENTROID: 0.114

HORZ SPREAD: 1.534

VERT SPREAD: 1.917

GROUP SPREAD: 1.998

MIN RADIUS: 0.104

MAX RADIUS: 1.161

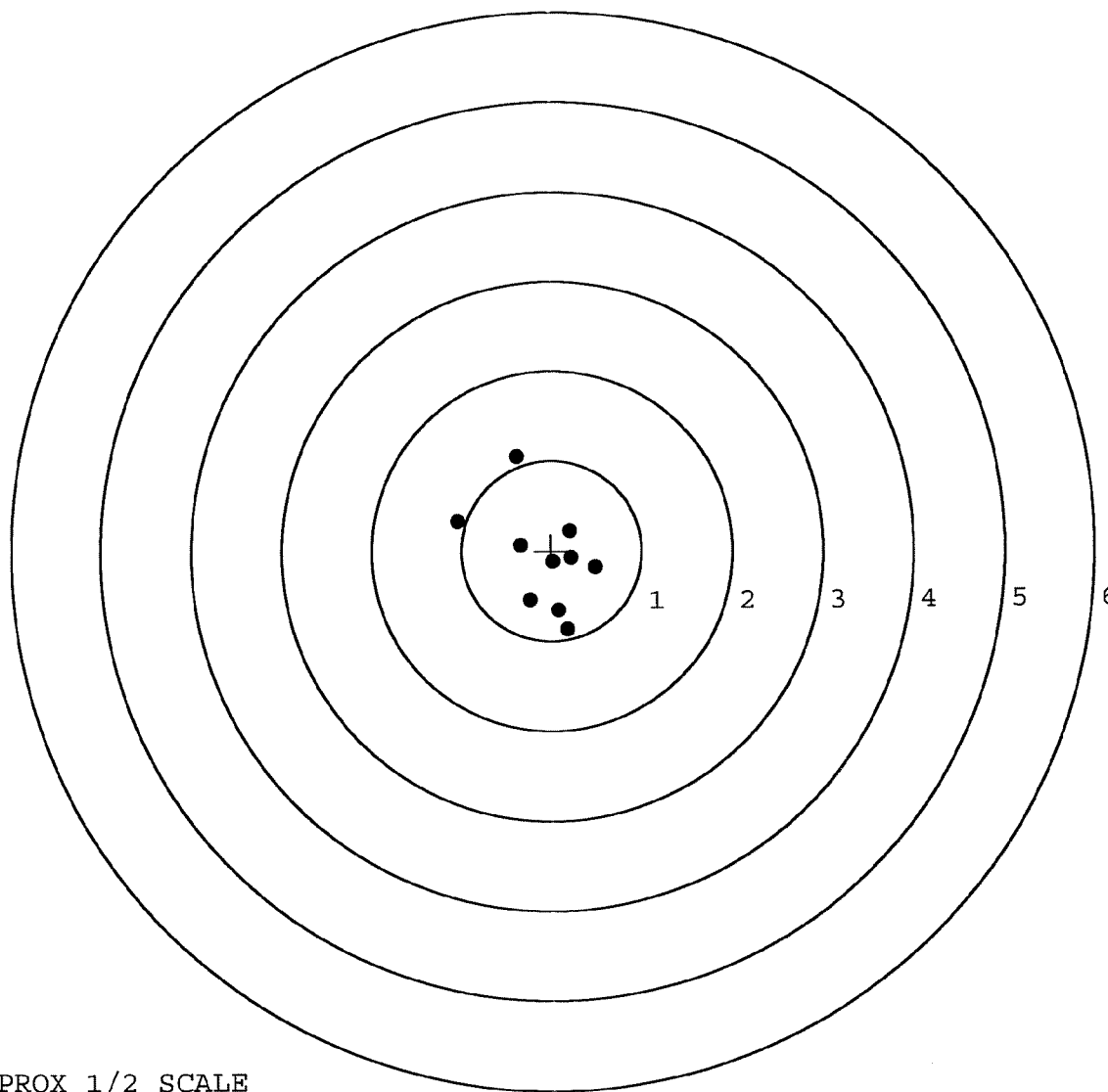
MEAN RADIUS: 0.585

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.046	0.329
2:	-0.382	1.040
3:	0.488	-0.183
4:	0.182	-0.877
5:	0.081	-0.664
6:	-0.238	-0.547
7:	0.212	0.222
8:	0.224	-0.074
9:	-0.341	0.064
10:	0.016	-0.121



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 5

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: 0.043

Y CENTROID: -0.261

POA TO CENTROID: 0.264

HORZ SPREAD: 1.029

VERT SPREAD: 1.670

GROUP SPREAD: 1.688

MIN RADIUS: 0.147

MAX RADIUS: 0.953

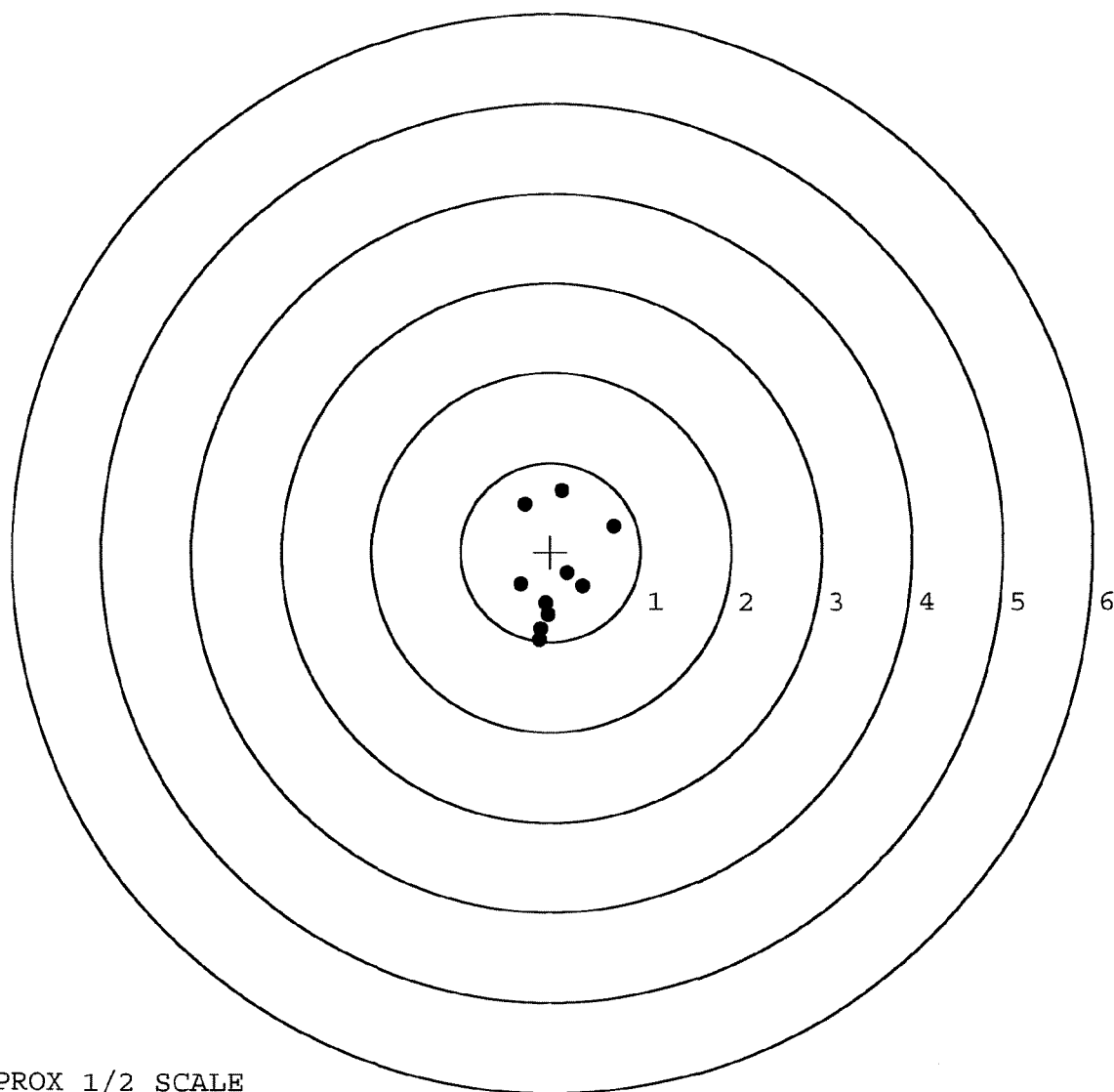
MEAN RADIUS: 0.570

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.698	0.290
2:	0.188	-0.239
3:	0.364	-0.384
4:	-0.331	-0.366
5:	0.123	0.689
6:	-0.292	0.534
7:	-0.059	-0.580
8:	-0.028	-0.704
9:	-0.109	-0.866
10:	-0.126	-0.981



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112949			
SERIAL NUMBER	06522287			
LOG-IN DATE	5-30-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN			
505	RE-BARREL			
560	ASSEMBLE			
600	PROOF			
605	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX			
510	DRILL AND TAP			
615	ROLLMARK CALIBER			
618	ROTO-BLAST			
620	APPLY COATINGS			
625	FINAL ASSEMBLY	Clean + Test	6-30-06	RJC
640	FUNCTION TEST AND	(PASS) FAIL	6-30-06	L.P.D.
650	TARGET	(PASS) FAIL	6-30-06	L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-6-06	AC
	A) HEADSPACE	(PASS) FAIL	7-6-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5 lbs 5 lbs 5 lbs	AC
	G) SAFETY OFF FORCE	2 LBS MIN	3 lbs 3 lbs 3 lbs	AC
	I) FIRING PIN INDENT	.020	.023 .023 .023	AC
690	PACK		8-4-06	DA

Serial Number: C6522287

Model: M24 SWS



RE00085659

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X CENTROID: -0.084

Y CENTROID: -0.054

POA TO CENTROID: 0.099

HORZ SPREAD: 2.135

VERT SPREAD: 1.846

GROUP SPREAD: 2.135

MIN RADIUS: 0.317

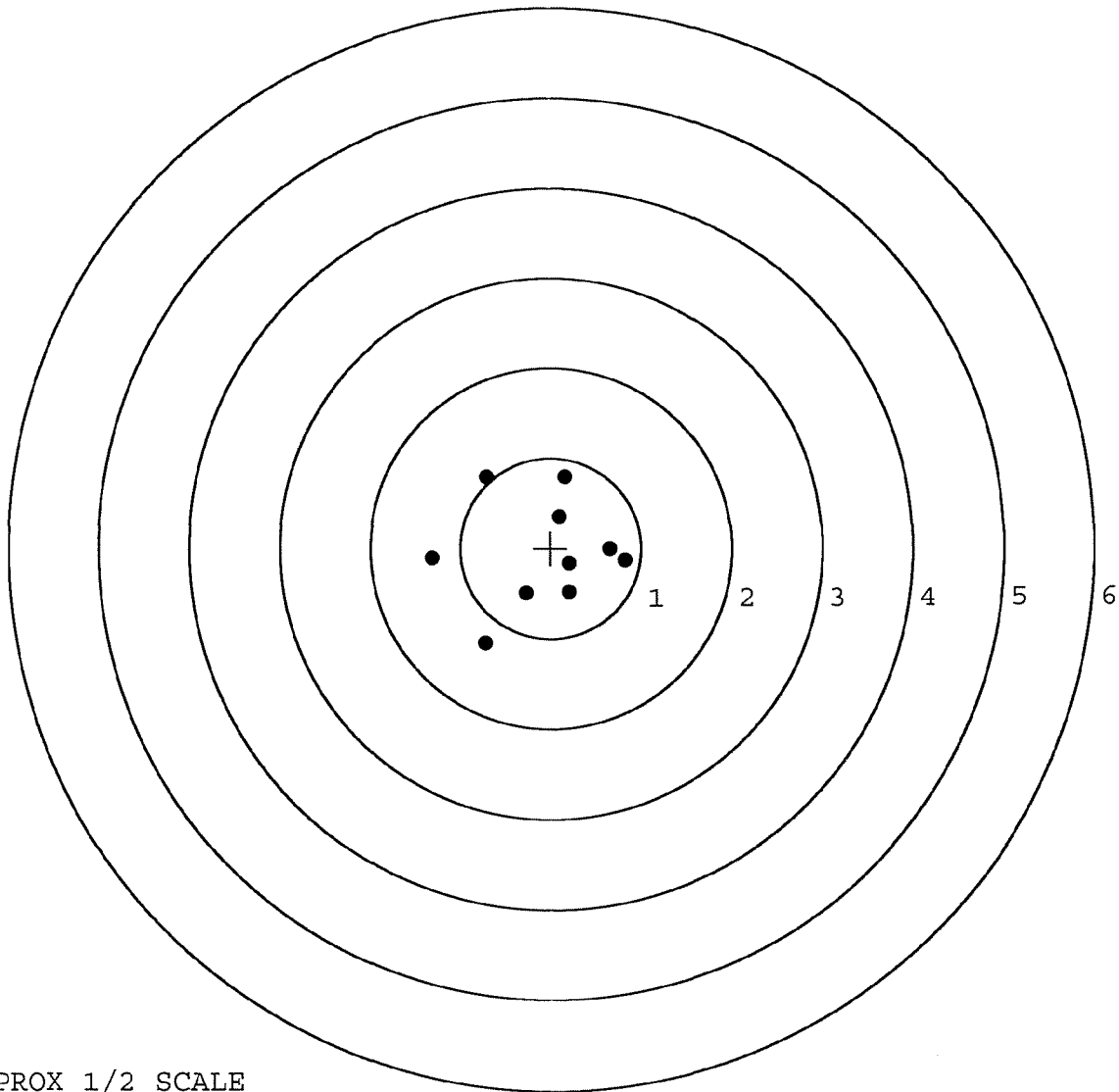
MAX RADIUS: 1.232

MEAN RADIUS: 0.778

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 2

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: -0.252

Y CENTROID: 0.009

POA TO CENTROID: 0.252

HORZ SPREAD: 1.865

VERT SPREAD: 1.393

GROUP SPREAD: 2.117

MIN RADIUS: 0.293

MAX RADIUS: 1.146

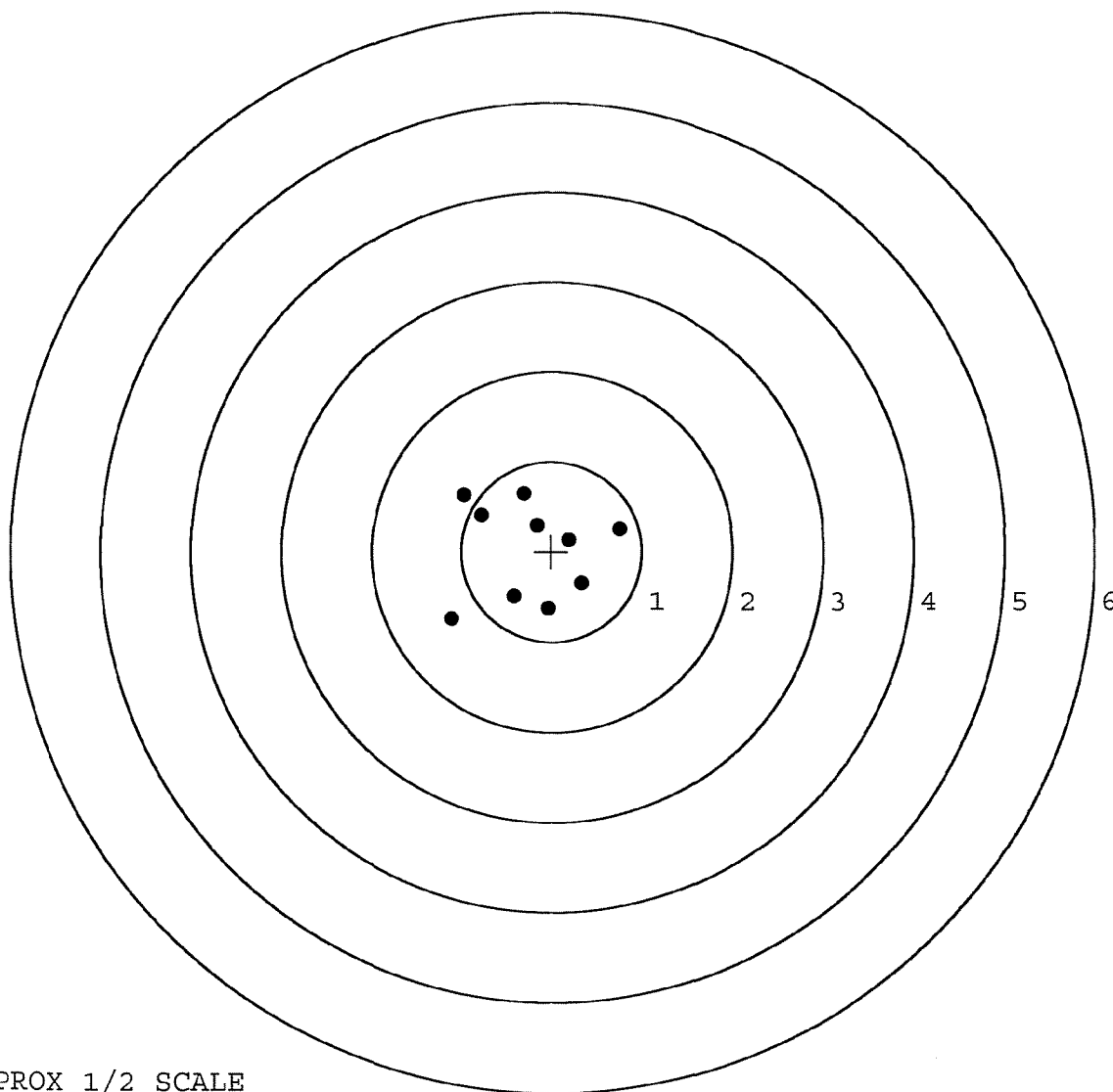
MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

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POINT#	X	Y
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POA TO CENTROID: 0.059

HORZ SPREAD: 1.577

VERT SPREAD: 1.023

GROUP SPREAD: 1.712

MIN RADIUS: 0.388

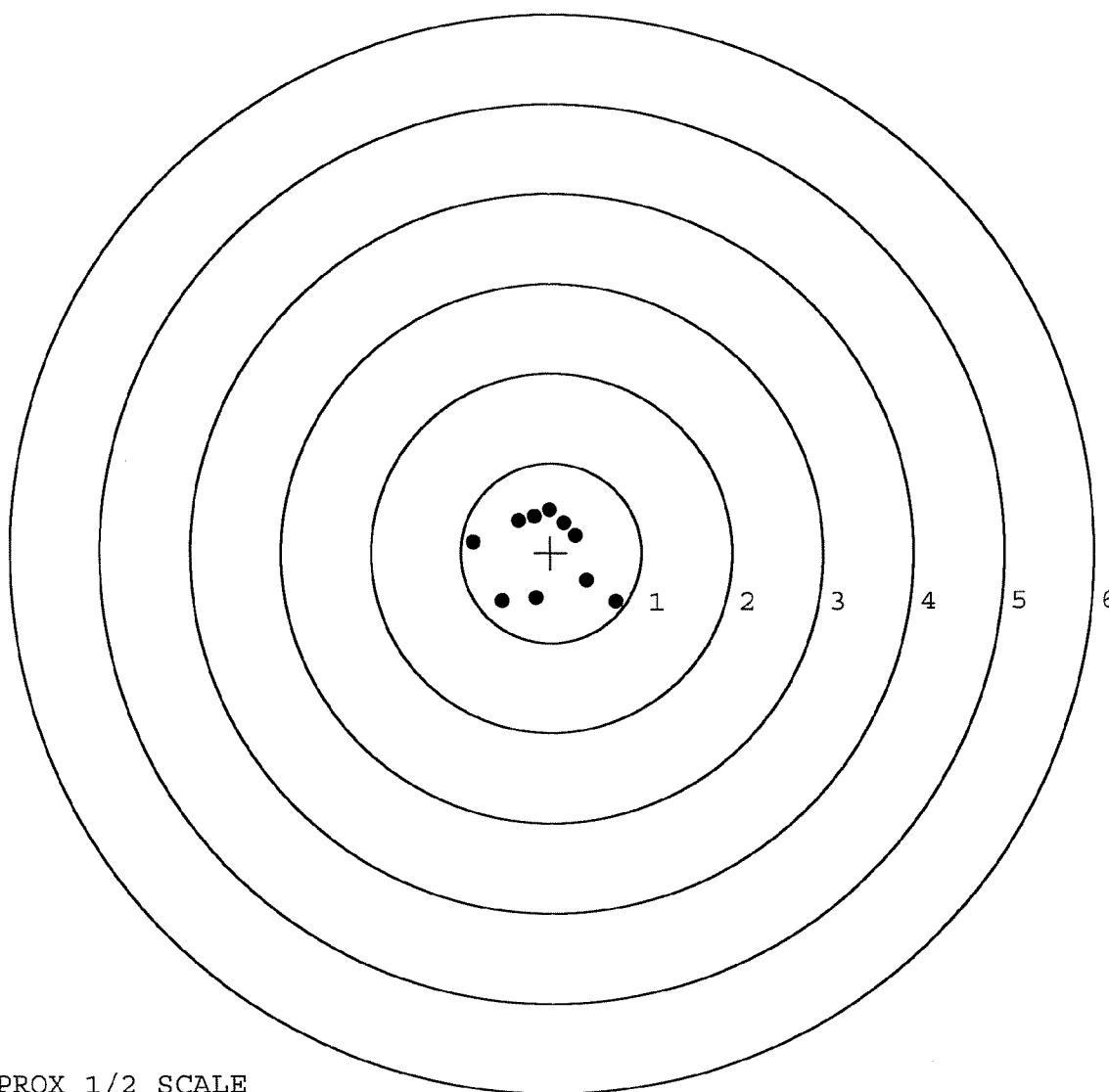
MAX RADIUS: 0.947

MEAN RADIUS: 0.569

IN 1 IN DIAMETER: 5

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SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 4

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: -0.080

Y CENTROID: -0.081

POA TO CENTROID: 0.114

HORZ SPREAD: 1.534

VERT SPREAD: 1.917

GROUP SPREAD: 1.998

MIN RADIUS: 0.104

MAX RADIUS: 1.161

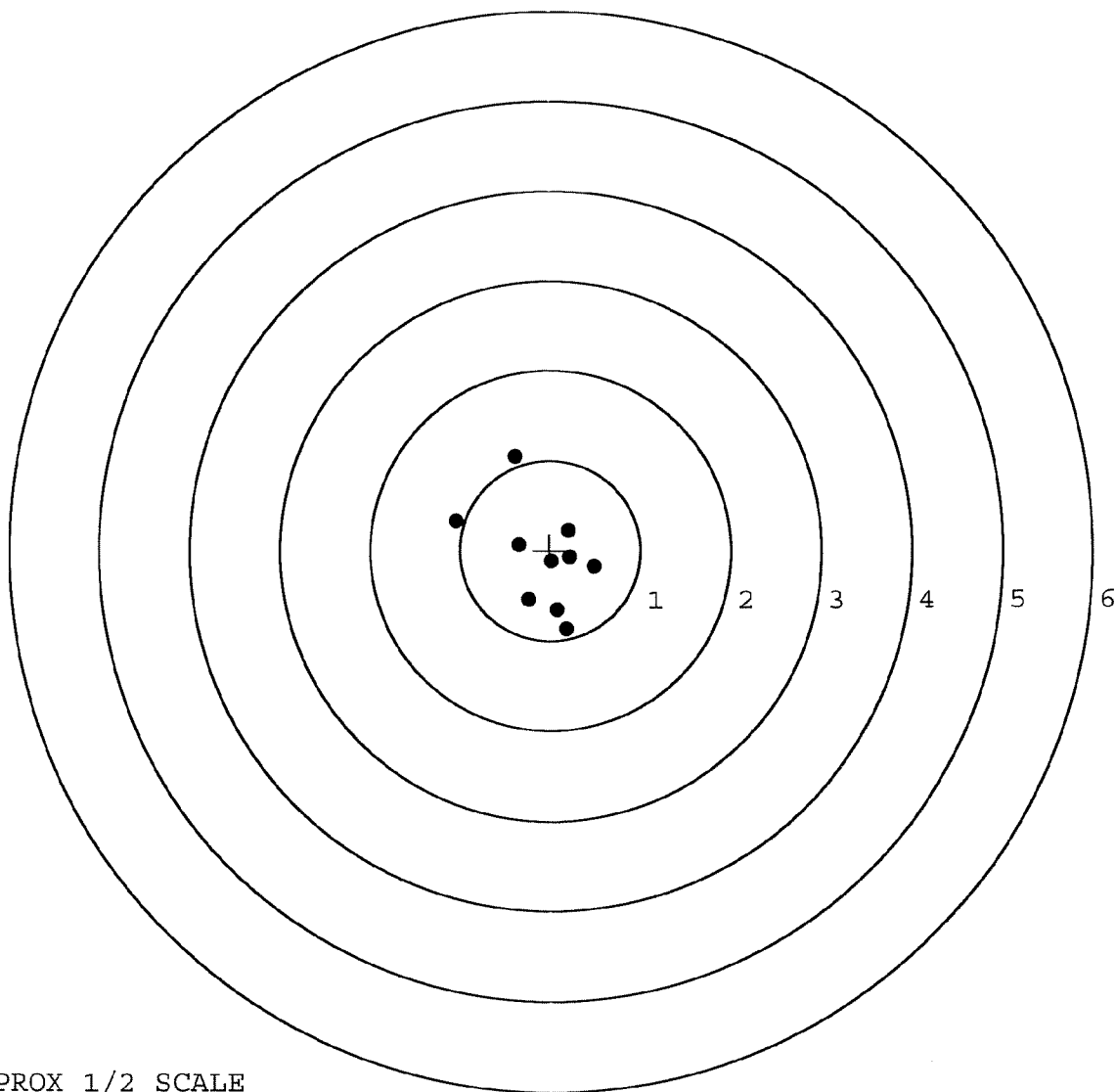
MEAN RADIUS: 0.585

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5:	0.081	-0.664
6:	-0.238	-0.547
7:	0.212	0.222
8:	0.224	-0.074
9:	-0.341	0.064
10:	0.016	-0.121



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522287. 0

TARGET NUMBER: 5

FILE DATE: 11/03/2004

FILE TIME: 08:58

X CENTROID: 0.043

Y CENTROID: -0.261

POA TO CENTROID: 0.264

HORZ SPREAD: 1.029

VERT SPREAD: 1.670

GROUP SPREAD: 1.688

MIN RADIUS: 0.147

MAX RADIUS: 0.953

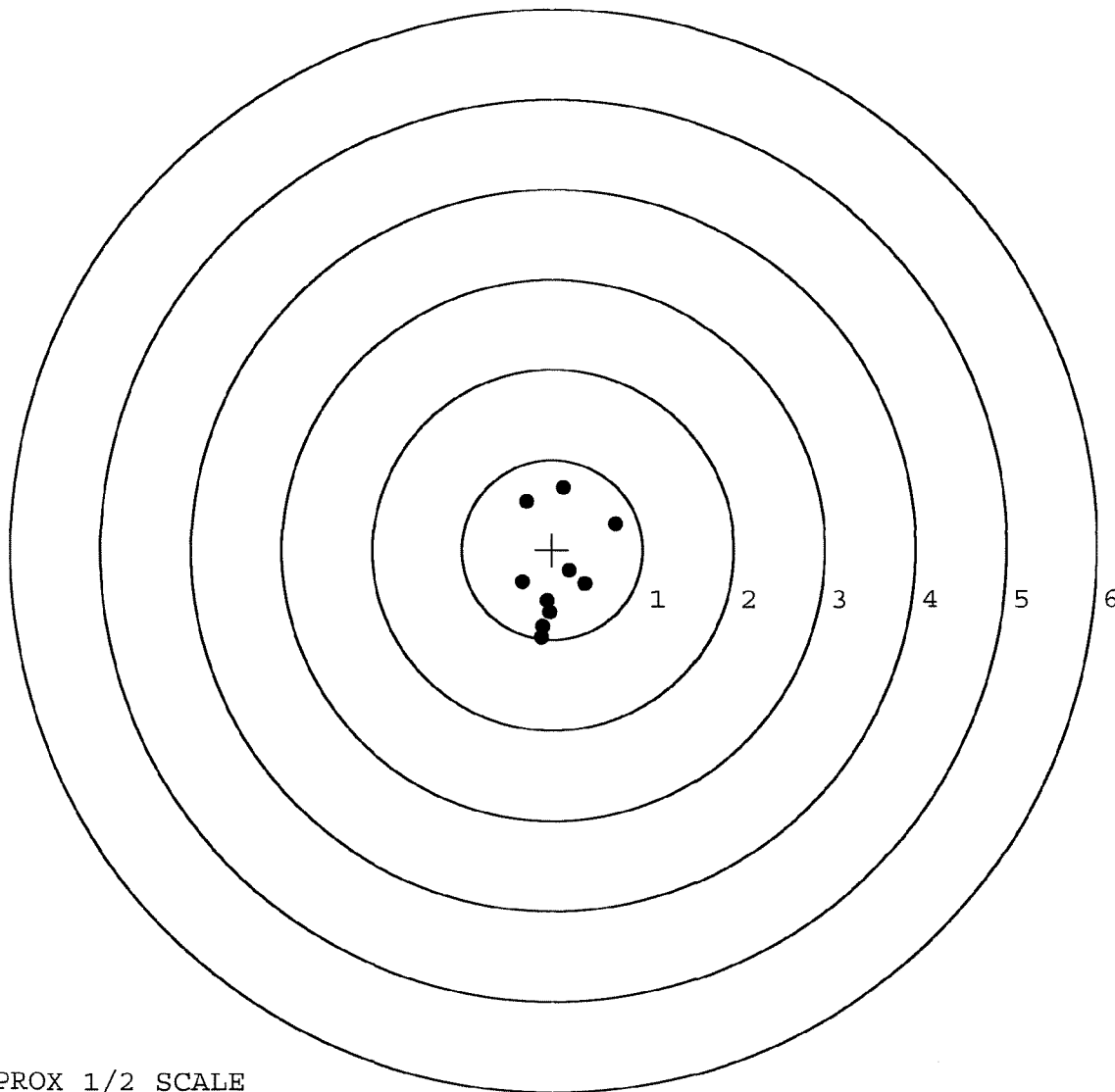
MEAN RADIUS: 0.570

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6:	-0.292	0.534
7:	-0.059	-0.580
8:	-0.028	-0.704
9:	-0.109	-0.866
10:	-0.126	-0.981



TARGET APPROX 1/2 SCALE

SERIAL # C652 2287INSPECTED BY: RTLDATE REC'D: 9-28-04DATE RET'D: 11-10-04

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington
REG. U.S. PAT. & TM. OFF.

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

SERIAL NO. C6522287

ORDER NO. 5716

01

5716 C6522287

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

UPC

0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522287
8 Aug 1990

CENTROIDAL DISTANCES

0	TO	1	1.3927
1	TO	2	2.20594
1	TO	3	1.03972
1	TO	4	1.96931
1	TO	5	1.04912

1 + ----POA
4
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1868
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.7232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .746935
THE AMR FOR THIS RIFLE IS: .7456

6 Aug 1998

FILE: PATTERNING/CENTERFIRE PATT/C65222B7

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN. CIR

1 in - 3

2 in - 6

3 in - 10

HS - 2.053

VS - 1.720

GS - 2.426

CENTROID *

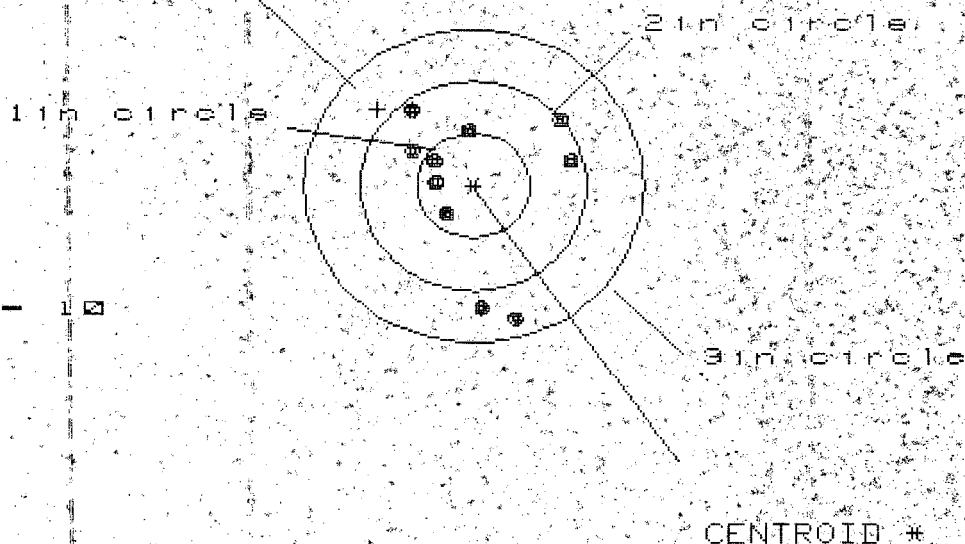
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.065	.939	1.033
MINIMUM X	-.988	-.870	-.776
MAXIMUM Y	.978	.895	.579
MINIMUM Y	-.742	-.785	-.673
CENTROID X	-1.339	-1.457	-1.551
CENTROID Y	-.383	-.300	-.412
POA TO CENTROID in.	1.393	1.488	1.605
MIN RADIUS	.154	.172	.105
MEAN RADIUS	.793	.723	.656
MAX RADIUS	1.298	1.166	1.172
HORIZONTAL SPREAD	2.053	1.809	1.809
VERTICAL SPREAD	1.720	1.680	1.252
EXTREME SPREAD	2.426	2.163	2.054
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

8 Aug 1998

FILE: PATTERNING/CENTERFIRE_PATT/C65222B7

CENTERFIRE PATTERNS # 2

POA



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.351

VS = 1.972

GS = 2.132

PATTERN # :

12

SHOTS (BEST OF) :

10

9

8

MAXIMUM X :

.822

.857

.873

MINIMUM X :

-.529

-.494

-.478

MAXIMUM Y :

.693

.551

.382

MINIMUM Y :

-1.279

-1.353

-.581

CENTROID X :

.839

.804

.788

CENTROID Y :

-.733

-.591

-.422

POA TO CENTROID in.:

1.114

.998

.894

MIN RADIUS :

.300

.273

.215

MEAN RADIUS :

.756

.660

.547

MAX RADIUS :

1.317

1.360

.914

HORIZONTAL SPREAD :

1.351

1.351

1.351

VERTICAL SPREAD :

1.972

1.904

.963

EXTREME SPREAD :

2.132

2.014

1.418

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

8 Aug 1998

FILE: PATTERNING/CENTERFIRE_PATT/C85222B7

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 1.805

VS = 2.200

GS = 2.400

CENTROID *

PATTERN # :

3

SHOTS (BEST OF) :

10

9

8

MAXIMUM X :

1.105

.661

.672

MINIMUM X :

-.700

-.578

-.567

MAXIMUM Y :

1.295

1.203

1.121

MINIMUM Y :

-.905

-.997

-.847

CENTROID X :

-.587

-.709

-.720

CENTROID Y :

-1.101

-1.009

-1.159

POA TO CENTROID in. :

1.247

1.233

1.365

MIN RADIUS :

.259

.226

.114

MEAN RADIUS :

.845

.788

.705

MAX RADIUS :

1.379

1.206

1.140

HORIZONTAL SPREAD :

1.805

1.239

1.239

VERTICAL SPREAD :

2.200

2.200

1.968

EXTREME SPREAD :

2.400

2.298

2.001

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

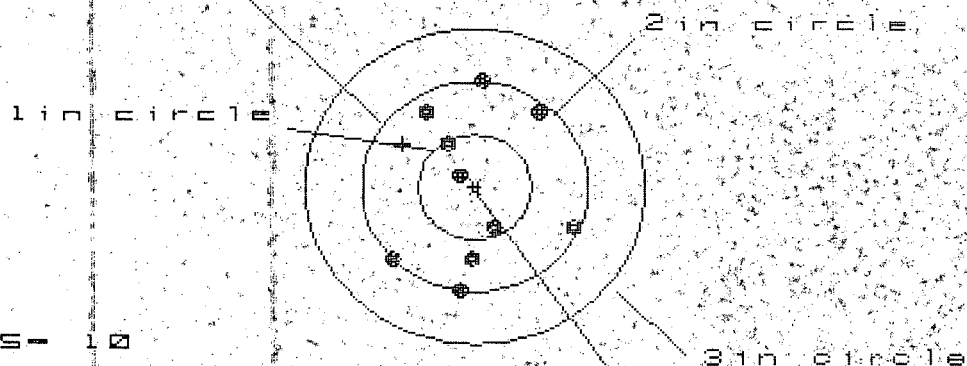
10

8 Aug 1998

FILE: PATTERNING/CENTERFIRE_PATT/C6522287

CENTERFIRE PATTERNS # 4

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 1.526

VS= 2.007

GS= 2.020

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.909	.915	.826
MINIMUM X	-.717	-.711	-.485
MAXIMUM Y	1.057	.884	.812
MINIMUM Y	-.950	-.833	-.905
CENTROID X	.630	.624	.713
CENTROID Y	-.418	-.535	-.463
POA TO CENTROID in.	.756	.822	.850
MIN RADIUS	.155	.237	.249
MEAN RADIUS	.751	.708	.685
MAX RADIUS	1.058	1.079	.970
HORIZONTAL SPREAD	1.626	1.626	1.311
VERTICAL SPREAD	2.007	1.717	1.717
EXTREME SPREAD	2.020	1.976	1.888
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

8 Aug 1998

FILE: PATTERNING/CENTERFIRE_PATT/C65222B7

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 5

2 in = 9

3 in = 10

HS = 1.446

VS = 1.789

GS = 2.004

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.437

.325

.297

MINIMUM X

-1.009

-.314

-.342

MAXIMUM Y

.972

.881

.397

MINIMUM Y

-.817

-.809

-.699

CENTROID X

-.477

-.365

-.337

CENTROID Y

-.981

-.890

-1.000

POA TO CENTROID in.

1.091

.962

1.055

MIN RADIUS

.103

.107

.181

MEAN RADIUS

.583

.473

.429

MAX RADIUS

1.299

.908

.710

HORIZONTAL SPREAD

1.446

.639

.639

VERTICAL SPREAD

1.789

1.690

1.096

EXTREME SPREAD

2.004

1.694

1.176

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

9

NUMBER IN THREE INCH CIRCLE =

10

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522287

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/90	KA
600	Proof		6/24/90	KA
607	Check Headspace		6/24/90	KA
610	Dis-assemble Gun		6/24/91	KA
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	G.S.
617	Drill and Tap Sight Holes		7/11/90	FB
618	Polish Barrel AB		7/13/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		8/1/90	KS
	A) Clean inside of Bolt Assembly		8/1/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/1/90	KS
	C) Inspect Ejector Hole for Chamfer		8/1/90	KS
	D) Oil Firing Pin Ass'y		8/1/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-5-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/27/90	JK
	G) Safety Off Force	3	3	3			7/27/90	JK
	H) Trigger Pull Test & Retainability						9-5-90	JK
	I) Firing Pin Indent	.023	.0225	.0225			7/27/90	JK
	J) Assemble Stock						8/3/90	KS
	K) Assemble Swivel Studs						9/6/90	JK
	L) Attach Front and Rear Sight Assemblies						8/3/90	KS
	M) Iron Sight Alignment						8/3/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/3/90	KS
	O) Attach Scope to Rifle						8/3/90	KS
	P) Detach & Attach Scope 20 Times						8/3/90	KS
640	Gallery Target & Test						8-8-90	NF
	A) Time						8-8-90	NF
	B) Malfunctions						8-8-90	NF
	C) Pierced Primers						8-8-90	NF
	D) Optical Clarity of Scope						8-8-90	NF
645	Inspect for Live Ammo						8-8-90	NF
655	Final Inspection							
	A) Headspace						9/6/90	JK
	B) Trigger Pull	2.15	2.21	2.40	2.29	2.48	9-5-90	JK
	C) Function						9/6/90	JK
660	Pack						9/19/90	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6522287

DATE 9-5-90

TESTER gpl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.23	2.18	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.20	2.13	2.21	
PULL #3	2.17	2.12	2.13	2.40	
PULL #4	2.18	2.50	2.13	2.29	
PULL #5	2.26	2.25	2.20	2.48	
TOTAL	11.09	11.36	10.77	11.53	
AVG.	2.218	2.26	2.154	2.306	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.31		
PULL #2	3.36	3.12		
PULL #3	3.34	3.16		
PULL #4	3.16	3.12		
PULL #5	3.14	3.14		
TOTAL	16.36	15.85		
AVG.	3.272	3.17		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.19		4.30
PULL #2	4.55	4.12		4.13
PULL #3	4.21	4.09		4.07
PULL #4	4.50	4.20		4.15
PULL #5	4.26	4.12		4.10
TOTAL	21.83	20.72		20.75
AVG.	4.366	4.144		4.15