

C6349108

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: **RE00102801** Serial: C6349108 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 8:47:43 AM

Vanity Repair

Address Information

Customer: Received From: Return To: Received From:

Name: PR W7LZ CAMP SHELBY DET 57 PR W7LZ CAMP SHELBY DET 57

Address 1: OEF TRAINING BDE ROTATION OEF TRAINING BDE ROTATION

Address 2: BLDG 6520 WAREHOUSE AVE PO Box: BLDG 6520 WAREHOUSE AVE PO Box:

City: CAMP SHELBY CAMP SHELBY

State: MS Zip Code: 39407 Country: US State: MS Zip Code: 39407 Country: US

FFL

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: 601 558 4593 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
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

regletj 10/26/2005 9:45 AM ICAPS NUM INS EQPL

start 2 3 Arms S.

Serial Number: **C6349108**

Model: **M24 SWS**



RE00102801

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349108.___0
FILE DATE AND TIME: 11/18/2005 22:42

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.100
The Average Y Centroid of the Five Target Set:	0.044
The Average Point of Impact of the Five Target Set:	0.109
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.286
The Distance from Centroid Target #2 to Centroid Target #1:	0.425
The Distance from Centroid Target #3 to Centroid Target #1:	0.376
The Distance from Centroid Target #4 to Centroid Target #1:	0.691
The Distance from Centroid Target #5 to Centroid Target #1:	0.212

SERIAL NUMBER: C6349108. 0

TARGET NUMBER: 1

FILE DATE: 11/18/2005

FILE TIME: 22:42

POINT#	X	Y
1:	-0.103	-0.381
2:	0.556	-0.389
3:	0.287	-1.119
4:	-0.534	-0.584
5:	-0.715	-0.266
6:	-0.187	0.656
7:	0.357	0.836
8:	0.190	1.440
9:	1.319	-2.229
10:	-0.008	-0.578

X CENTROID: 0.116

Y CENTROID: -0.261

POA TO CENTROID: 0.286

HORZ SPREAD: 2.034

VERT SPREAD: 3.669

GROUP SPREAD: 3.839

MIN RADIUS: 0.250

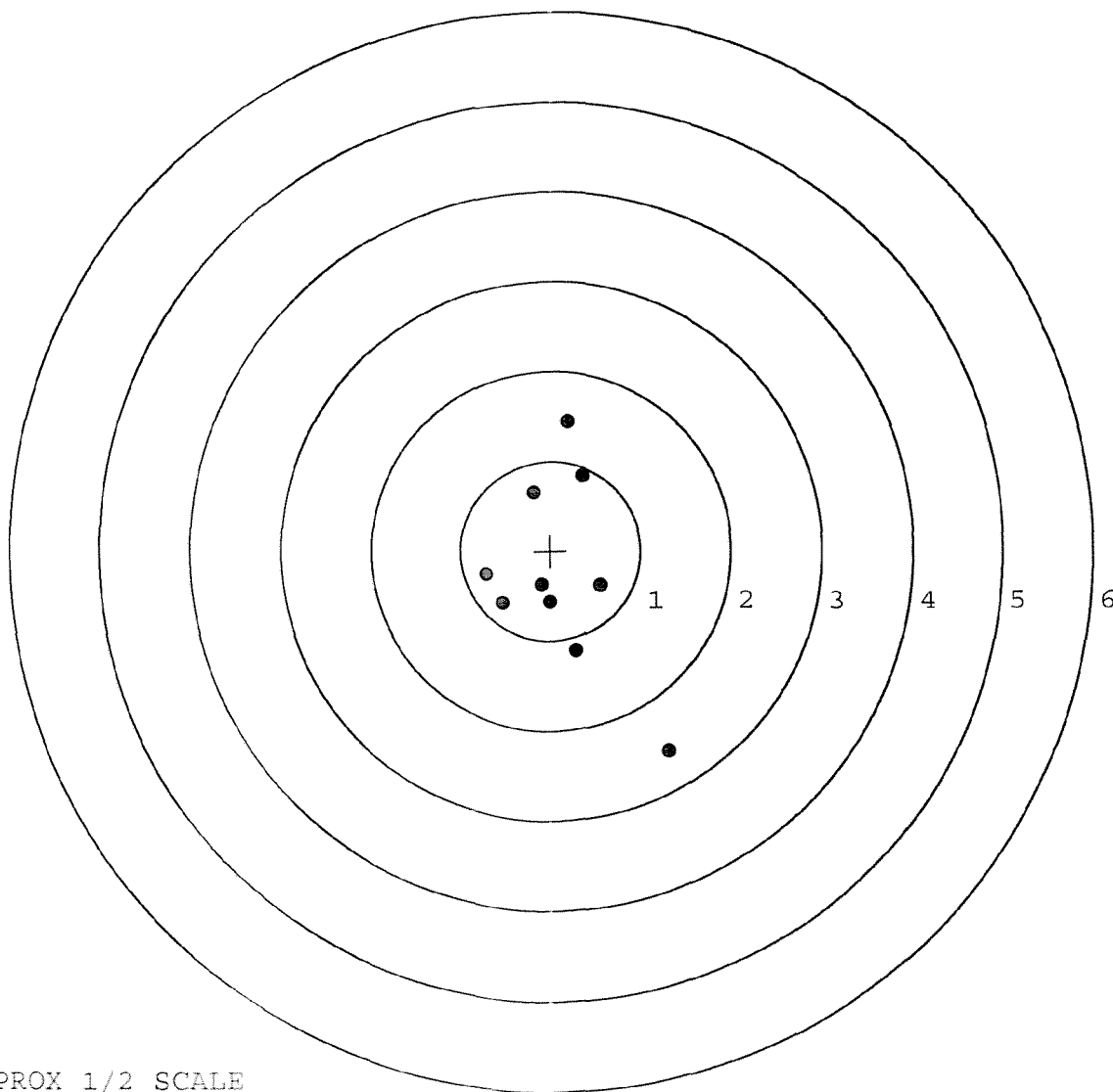
MAX RADIUS: 2.306

MEAN RADIUS: 0.958

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349108. __0

TARGET NUMBER: 2

FILE DATE: 11/18/2005

FILE TIME: 22:42

POINT	X	Y
1:	0.536	0.424
2:	0.312	0.242
3:	0.293	-0.127
4:	0.634	-0.355
5:	-0.102	-0.385
6:	-0.399	-0.480
7:	-1.203	-0.633
8:	-0.673	0.669
9:	-0.647	1.627
10:	0.179	0.023

X CENTROID: -0.107

Y CENTROID: 0.100

POA TO CENTROID: 0.147

HORZ SPREAD: 1.837

VERT SPREAD: 2.260

GROUP SPREAD: 2.360

MIN RADIUS: 0.296

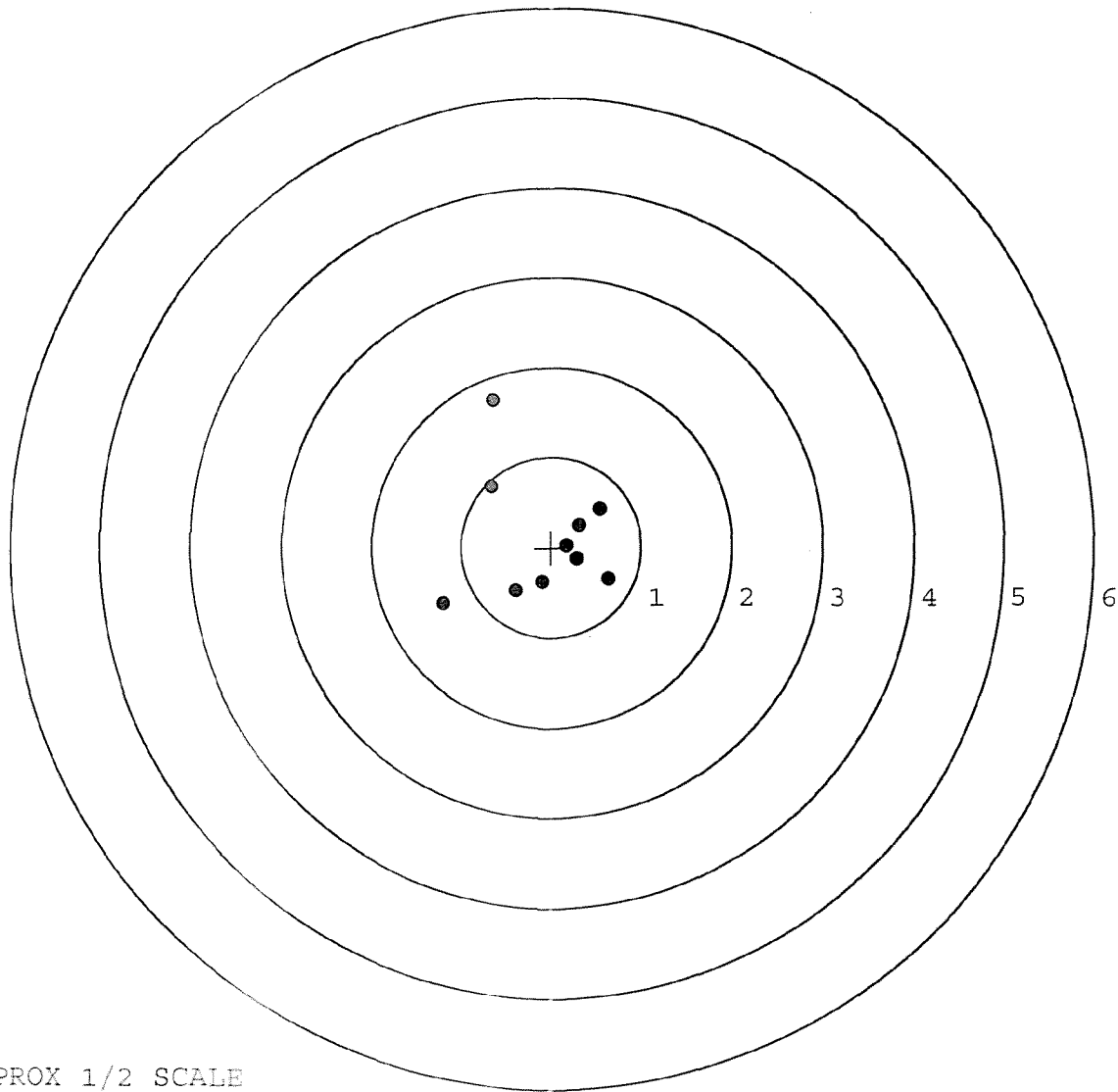
MAX RADIUS: 1.619

MEAN RADIUS: 0.766

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349108. 0

TARGET NUMBER: 3

FILE DATE: 11/18/2005

FILE TIME: 22:42

POINT#	X	Y
1:	0.768	0.790
2:	0.356	1.091
3:	0.246	1.231
4:	-0.103	0.969
5:	-0.574	-0.173
6:	0.372	-0.243
7:	0.738	-0.570
8:	1.058	-0.574
9:	0.148	-1.177
10:	0.150	-0.775

X CENTROID: 0.316

Y CENTROID: 0.057

POA TO CENTROID: 0.321

HORZ SPREAD: 1.632

VERT SPREAD: 2.408

GROUP SPREAD: 2.410

MIN RADIUS: 0.305

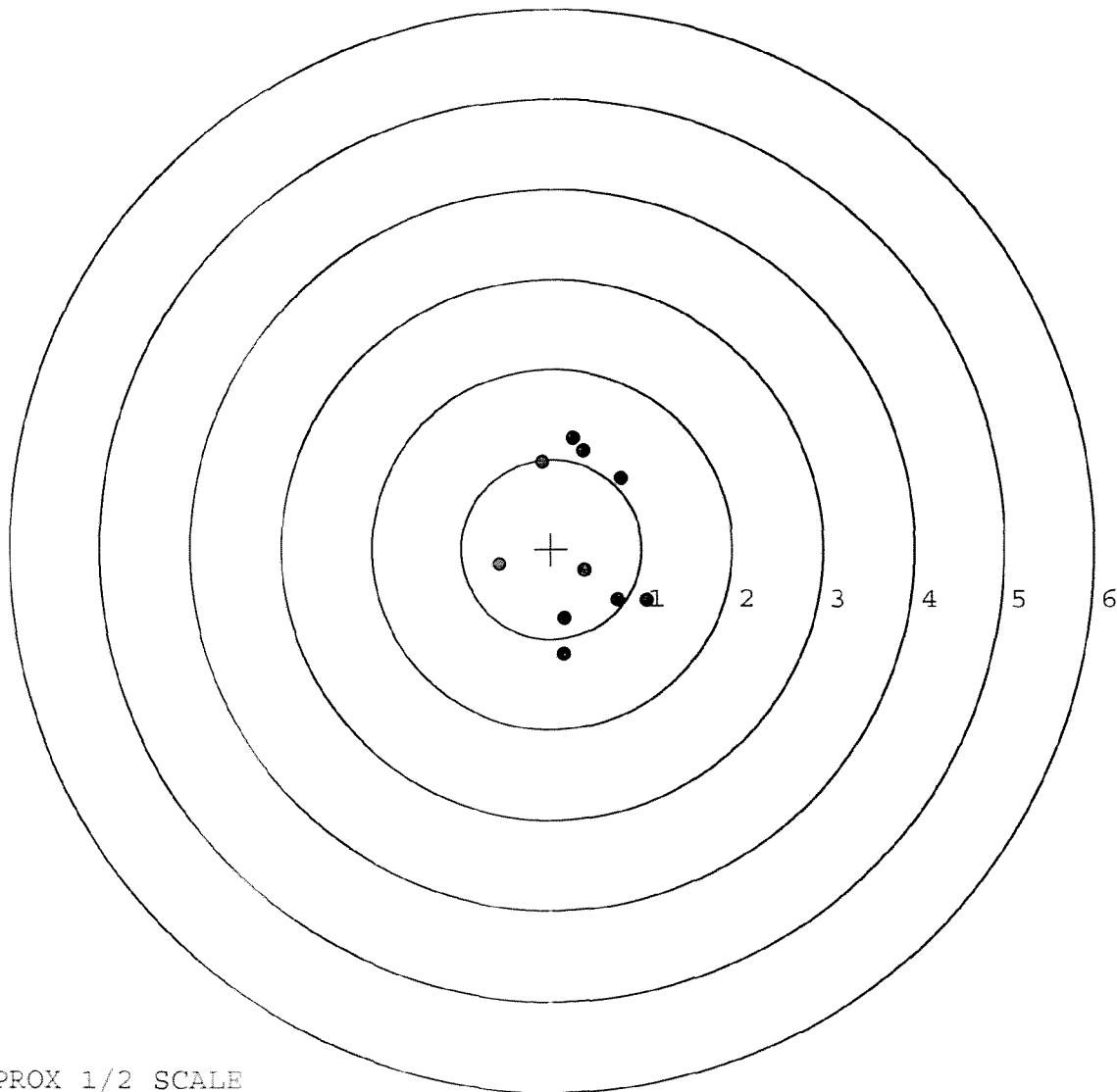
MAX RADIUS: 1.245

MEAN RADIUS: 0.912

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349108. 0

TARGET NUMBER: 4

FILE DATE: 11/18/2005

FILE TIME: 22:42

POINT#	X	Y
1:	0.053	0.305
2:	-0.491	0.502
3:	-1.063	1.152
4:	-0.652	-0.299
5:	0.181	-0.432
6:	0.489	-0.555
7:	0.896	0.176
8:	0.796	0.550
9:	0.773	0.799
10:	0.968	2.050

X CENTROID: 0.195

Y CENTROID: 0.425

POA TO CENTROID: 0.467

HORZ SPREAD: 2.031

VERT SPREAD: 2.605

GROUP SPREAD: 2.853

MIN RADIUS: 0.186

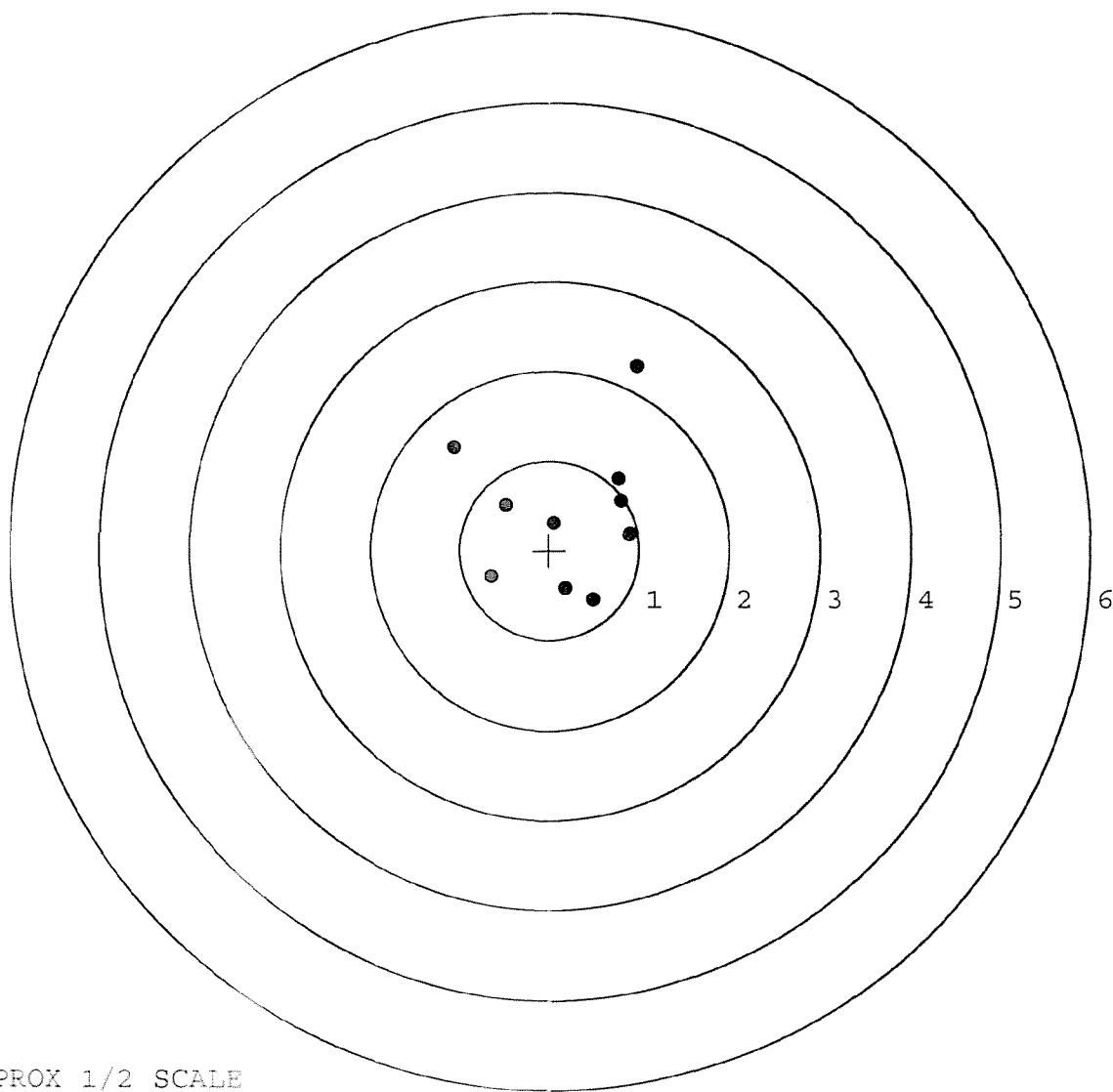
MAX RADIUS: 1.800

MEAN RADIUS: 0.917

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349108. 0

TARGET NUMBER: 5

FILE DATE: 11/18/2005

FILE TIME: 22:42

POINT#	X	Y
1:	0.000	0.124
2:	-0.210	0.033
3:	-0.199	-0.119
4:	0.047	-0.125
5:	0.157	-0.183
6:	0.265	-0.030
7:	0.100	0.038
8:	-0.213	-0.170
9:	-0.276	-0.316
10:	0.108	-0.265

X CENTROID: -0.022

Y CENTROID: -0.101

POA TO CENTROID: 0.104

HORZ SPREAD: 0.541

VERT SPREAD: 0.440

GROUP SPREAD: 0.612

MIN RADIUS: 0.073

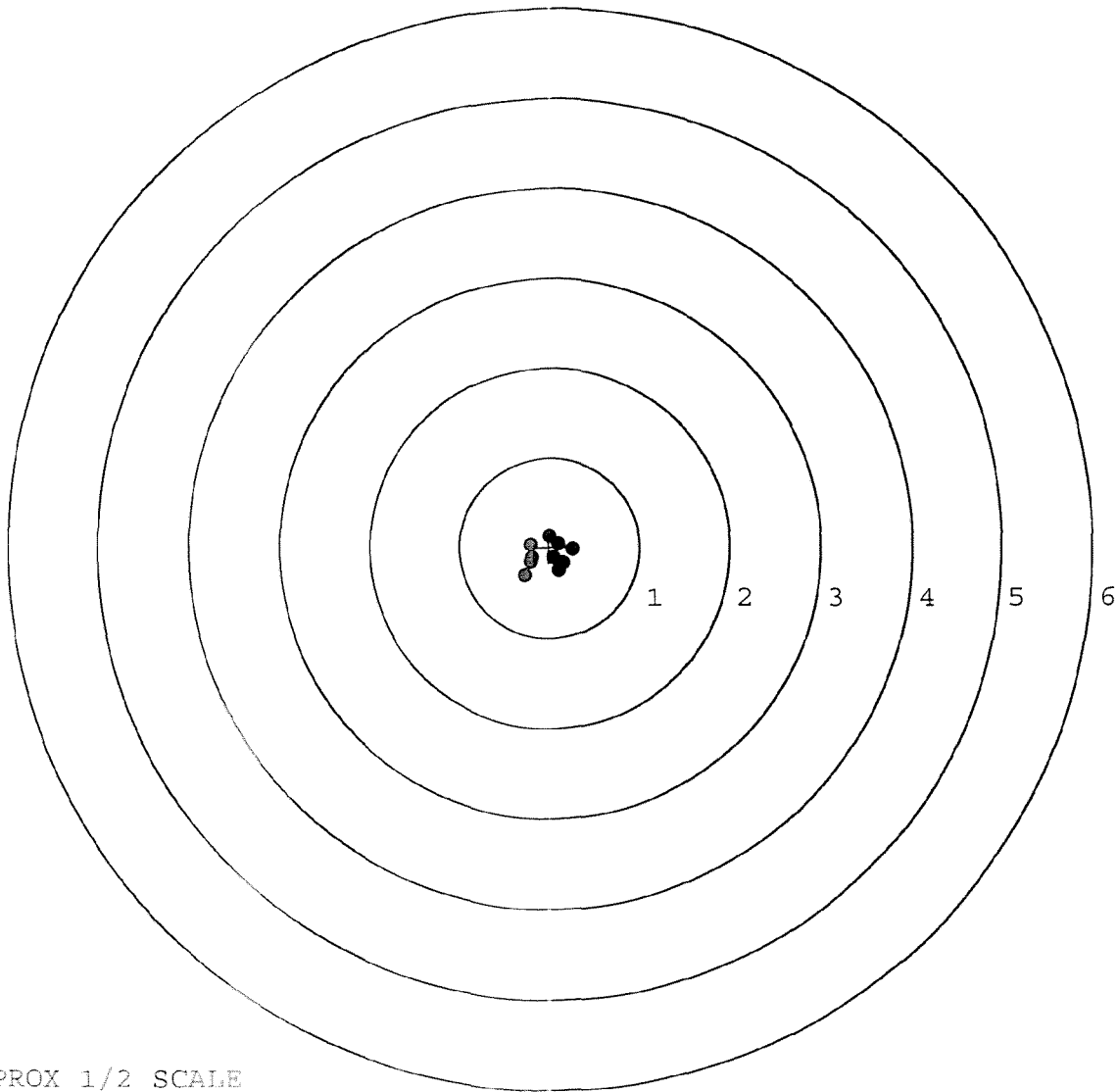
MAX RADIUS: 0.333

MEAN RADIUS: 0.213

IN 1 IN DIAMETER: 10

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Remington

MODEL 700™ NZ4

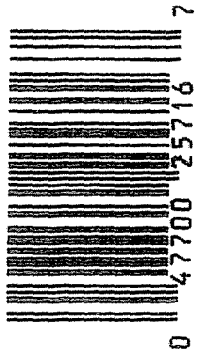
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

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

REMINGTON
REG. U.S. PAT. & T.M. OFF.

SERIAL NO. C8349108	ORDER NO. 5716
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UPC



RC-30
Replace

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349108

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/10/89 11/10/89	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/10/89	RW
	C) Inspect Ejector Hole for Chamfer		11/10/89	RW
	D) Oil Firing Pin Ass'y		11/10/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		15 NOV 89	JD

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11-15-89	JS
	G) Safety Off Force	3	3	3			11-15-89	JS
	H) Trigger Pull Test & Retainability						15 Nov 89	JS
	I) Firing Pin Indent	.021	.0215	.021			11-15-89	JS
	J) Assemble Stock						3/15/90	RW
	K) Assemble Swivel Studs						16 Mar 90	JS
	L) Attach Front and Rear Sight Assemblies						3/15/90	RW
	M) Iron Sight Alignment						3/15/90	RW
	N) Detach Front & Rear Sights & place in numbered container						3/15/90	RW
	O) Attach Scope to Rifle						15 Mar 90	JS
	P) Detach & Attach Scope 20 Times						15 Mar 90	JS
640	Gallery Target & Test						3-15-90	JS
	A) Time						"	JS
	B) Malfunctions						"	JS
	C) Pierced Primers						"	JS
	D) Optical Clarity of Scope						"	JS
645	Inspect for Live Ammo						3-15-90	JS
655	Final Inspection							
	A) Headspace						16 Mar 90	JS
	B) Trigger Pull	2.70	2.73	2.68	2.71	2.70	16 Mar 90	JS
	C) Function						16 Mar 90	JS
660	Pack						19 Mar 90	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C16349108

DATE 15 NOV 89

TESTER QSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.41	2.37	2.70	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.46	2.36	2.73	
PULL #3	2.38	2.46	2.30	2.68	
PULL #4	2.20	2.50	2.32	2.71	
PULL #5	2.32	2.46	2.24	2.76	
TOTAL	11.90	12.29	11.59	13.52	
AVG.	2.38	2.458	2.318	2.704	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.08		
PULL #2	3.26	3.10		
PULL #3	3.01	3.12		
PULL #4	3.25	3.08		
PULL #5	3.21	3.08		
TOTAL	16.01	15.46		
AVG.	3.202	3.092		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	3.96		4.11
PULL #2	4.14	3.98		4.06
PULL #3	4.20	4.00		4.07
PULL #4	4.17	3.98		4.08
PULL #5	4.11	4.02		4.02
TOTAL	20.80	19.94		20.34
AVG.	4.16	3.988		4.068

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349100
15 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.398811
1 TO	2	.738245
1 TO	3	.481805
1 TO	4	.500009
1 TO	5	.246984

15.2 <----POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0600
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1462
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .159330

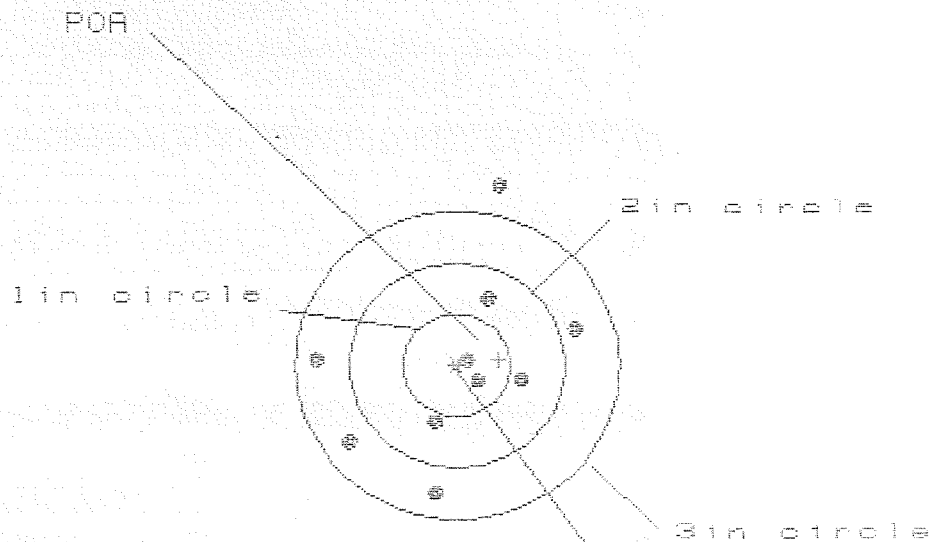
THE AMR FOR THIS RIFLE IS: .8762

15 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349108

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 3

HS= 2.394

VS= 2.989

GS= 3.049

CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.096	1.141	.984
MINIMUM X	:	-1.298	-1.253	-1.103
MAXIMUM Y	:	1.734	.864	.896
MINIMUM Y	:	-1.255	-1.062	-1.030
CENTROID X	:	-.395	-.440	-.283
CENTROID Y	:	-.055	-.248	-.280
FOR TO CENTROID in.	:	.399	.505	.398
MIN RADIUS	:	.109	.263	.112
MEAN RADIUS	:	.902	.797	.706
MAX RADIUS	:	1.781	1.280	1.199
HORIZONTAL SPREAD	:	2.394	2.394	2.087
VERTICAL SPREAD	:	2.989	1.926	1.926
EXTREME SPREAD	:	3.049	2.406	2.316
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349188

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 6

3in = 10

HS = 2.452

VS = 1.600

GS = 2.686

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.151	1.014	.835
MINIMUM X	:	-1.301	-1.438	-.736
MAXIMUM Y	:	.842	.676	.637
MINIMUM Y	:	-.758	-.665	-.704
CENTROID X	:	.343	.480	.659
CENTROID Y	:	-.036	-.129	-.090
POA TO CENTROID in.	:	.344	.497	.665
MIN RADIUS	:	.072	.216	.386
MEAN RADIUS	:	.817	.761	.691
MAX RADIUS	:	1.493	1.472	.997
HORIZONTAL SPREAD	:	2.452	2.452	1.571
VERTICAL SPREAD	:	1.600	1.341	1.341
EXTREME SPREAD	:	2.686	2.583	1.718
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Mar 1998

FILE: PATTERNING/CENTERFIRE_PATT/C8349108

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.354

VS= 1.732

GS= 2.550

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.512	1.029	.954
MINIMUM X	-.842	-.674	-.749
MAXIMUM Y	.742	.715	.588
MINIMUM Y	-.990	-1.017	-.656
CENTROID X	.075	-.093	-.018
CENTROID Y	-.161	-.134	-.007
POA TO CENTROID in.	.177	.163	.020
MIN RADIUS	.300	.296	.150
MEAN RADIUS	.786	.680	.580
MAX RADIUS	1.531	1.181	1.141
HORIZONTAL SPREAD	2.354	1.703	1.703
VERTICAL SPREAD	1.732	1.732	1.244
EXTREME SPREAD	2.550	2.091	2.091
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

15 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06349108

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 1.945

VS = 2.068

GS = 2.458

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

:

.995

.983

.856

MINIMUM X

:

-.950

-1.042

-1.089

MAXIMUM Y

:

1.206

1.313

1.137

MINIMUM Y

:

-.862

-.728

-.564

CENTROID X

:

-.167

-.075

-.028

CENTROID Y

:

-.500

-.634

-.798

POA TO CENTROID in.:

:

.527

.638

.798

MIN RADIUS

:

.092

.121

.289

MEAN RADIUS

:

.916

.832

.751

MAX RADIUS

:

1.462

1.367

1.172

HORIZONTAL SPREAD

:

1.945

1.945

1.945

VERTICAL SPREAD

:

2.068

2.041

1.701

EXTREME SPREAD

:

2.458

2.189

1.947

NUMBER IN ONE INCH CIRCLE =

:

1

6

10

NUMBER IN TWO INCH CIRCLE =

:

6

10

10

NUMBER IN THREE INCH CIRCLE =

:

10

10

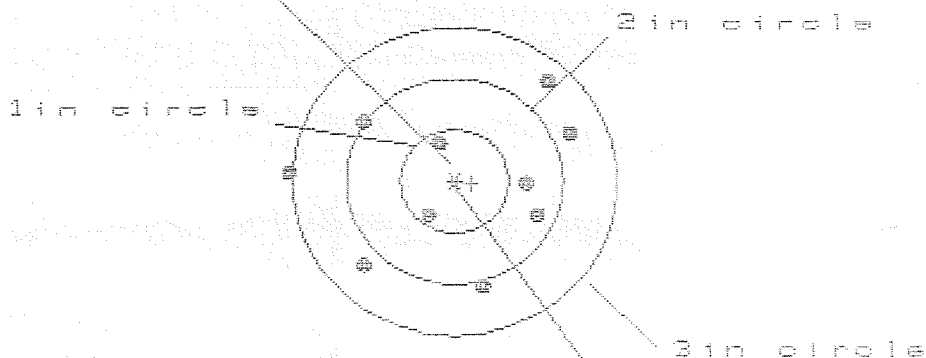
10

15 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6949108

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.571

VS= 2.078

GS= 2.609

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.059	.891	.981
MINIMUM X	-1.512	-1.035	-.945
MAXIMUM Y	1.008	1.014	.750
MINIMUM Y	-1.070	-1.064	-.938
CENTROID X	-.160	.008	-.082
CENTROID Y	.021	.015	-.111
POA TO CENTROID in.	.162	.017	.138
MIN RADIUS	.356	.451	.399
MEAN RADIUS	.960	.884	.831
MAX RADIUS	1.513	1.291	1.199
HORIZONTAL SPREAD	2.571	1.926	1.926
VERTICAL SPREAD	2.078	2.078	1.688
EXTREME SPREAD	2.609	2.502	2.311
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		