

C6349113

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith
III
®

Repair Inquiry

Repair Number: RE00092902

Serial: C6349113 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/13/1990

Repairman:

Verify Repair:

Status:

Closed 2/10/2005 11:39:06 AM

Address Information

Customer

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FPL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Card:

Condition:

Notes:

CSP:

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

Model:

2/14/2005

8:23 AM

CAPS

NUM

INS

GCPL

start

5

2

4

Arms Services

Serial Number:

C6349113

Model: M24 SWS



RE00092902

BARBER - M24 0108062AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 7-7-05TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.19	2.92		2.64	
PULL #2	2.68	2.72		2.50	
PULL #3	2.88	2.86		2.35	
PULL #4	2.79	2.60		2.54	
PULL #5	2.78	2.58		2.64	
TOTAL	13.32	13.68		12.67	
AVERAGE	2.66	2.73		2.53	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.36		
PULL #2	3.45	3.22		
PULL #3	3.32	3.16		
PULL #4	3.41	3.39		
PULL #5	3.13	3.16		
TOTAL	16.38	16.29		
AVERAGE	3.27	3.25		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.12	4.35		4.58
PULL #2	4.33	4.73		4.18
PULL #3	4.44	4.01		4.17
PULL #4	4.57	4.42		4.24
PULL #5	4.35	4.42		4.30
TOTAL	21.81	21.63		21.47
AVERAGE	4.36	4.32		4.29

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349113.__0

FILE DATE AND TIME: 07/18/2005 09:03

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.006
The Average Y Centroid of the Five Target Set:	-0.082
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.834
The Distance from POA to Centroid Target #1:	0.195
The Distance from Centroid Target #2 to Centroid Target #1:	0.076
The Distance from Centroid Target #3 to Centroid Target #1:	0.110
The Distance from Centroid Target #4 to Centroid Target #1:	0.368
The Distance from Centroid Target #5 to Centroid Target #1:	0.170

SERIAL NUMBER: C6349113. __0

TARGET NUMBER: 1

FILE DATE: 07/18/2005

FILE TIME: 09:03

POINT#	X	Y
1:	-0.109	-0.613
2:	0.253	-0.344
3:	-0.050	0.050
4:	0.240	0.500
5:	-0.556	0.446
6:	-0.777	-0.067
7:	-1.185	-0.270
8:	-0.154	-0.657
9:	0.626	-0.404
10:	0.826	-0.381

X CENTROID: -0.089

Y CENTROID: -0.174

POA TO CENTROID: 0.195

HORZ SPREAD: 2.011

VERT SPREAD: 1.157

GROUP SPREAD: 2.014

MIN RADIUS: 0.227

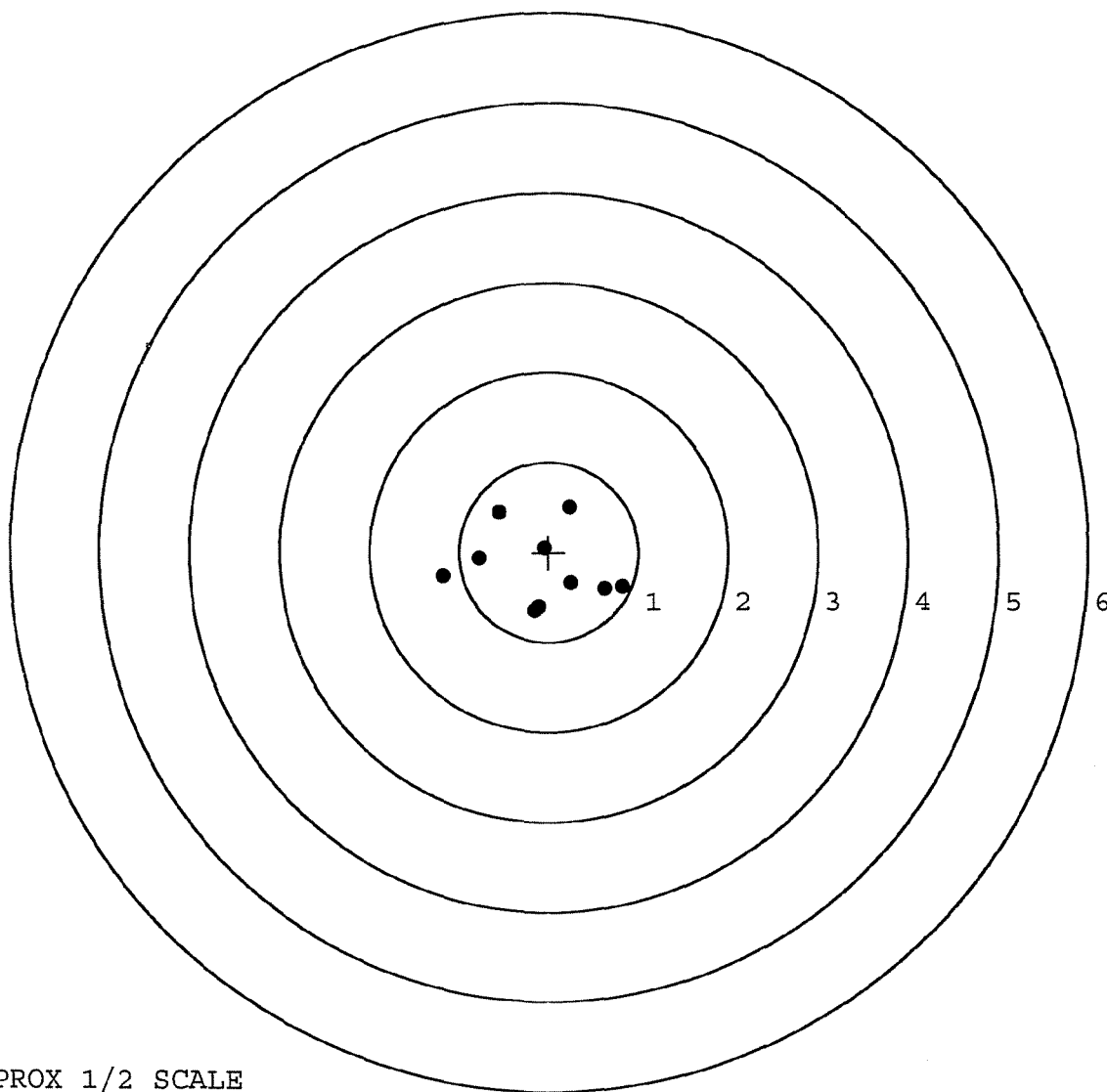
MAX RADIUS: 1.101

MEAN RADIUS: 0.655

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349113. __0

TARGET NUMBER: 2

FILE DATE: 07/18/2005

FILE TIME: 09:03

POINT#	X	Y
1:	-0.208	0.962
2:	-0.071	0.442
3:	0.238	0.832
4:	0.573	-0.311
5:	1.547	-0.675
6:	0.229	-1.612
7:	-0.101	-0.405
8:	-0.556	-0.551
9:	-0.747	-0.258
10:	-1.118	-0.520

X CENTROID: -0.021

Y CENTROID: -0.210

POA TO CENTROID: 0.211

HORZ SPREAD: 2.665

VERT SPREAD: 2.574

GROUP SPREAD: 2.670

MIN RADIUS: 0.211

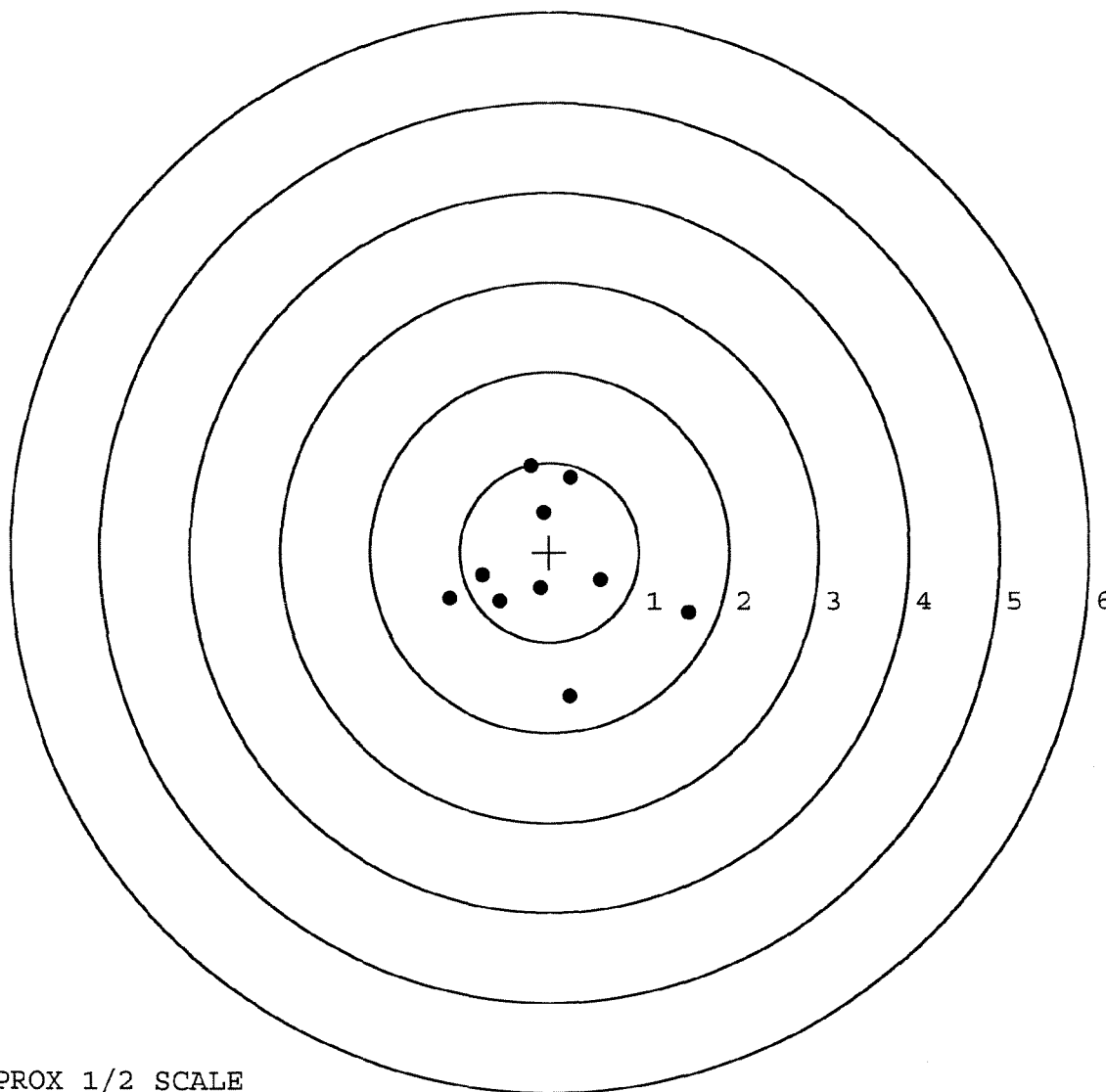
MAX RADIUS: 1.636

MEAN RADIUS: 0.929

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349113. 0

TARGET NUMBER: 3

FILE DATE: 07/18/2005

FILE TIME: 09:03

X CENTROID: 0.006

Y CENTROID: -0.117

POA TO CENTROID: 0.117

HORZ SPREAD: 2.719

VERT SPREAD: 2.184

GROUP SPREAD: 2.952

MIN RADIUS: 0.575

MAX RADIUS: 1.606

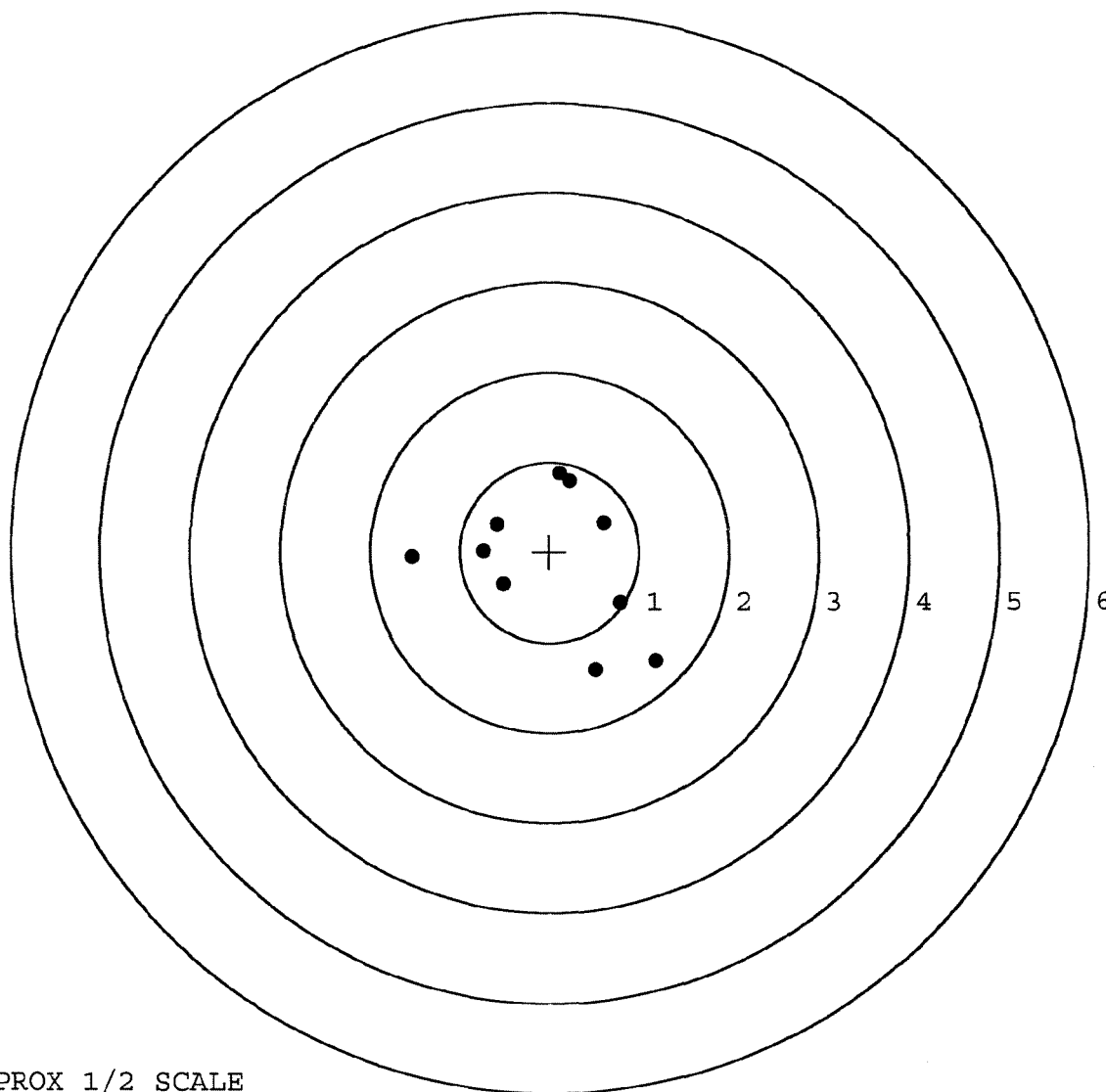
MEAN RADIUS: 1.008

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.114	0.879
2:	0.229	0.793
3:	0.601	0.325
4:	0.787	-0.566
5:	0.514	-1.305
6:	1.185	-1.207
7:	-0.516	-0.359
8:	-0.734	0.016
9:	-0.590	0.313
10:	-1.534	-0.058



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349113. 0

TARGET NUMBER: 4

FILE DATE: 07/18/2005

FILE TIME: 09:03

POINT#	X	Y
1:	0.371	1.468
2:	-0.722	1.209
3:	-0.922	0.479
4:	-0.003	0.721
5:	0.314	0.083
6:	-0.073	-0.250
7:	-0.526	-0.398
8:	0.432	-0.436
9:	1.610	-0.194
10:	0.670	-1.362

X CENTROID: 0.115

Y CENTROID: 0.132

POA TO CENTROID: 0.175

HORZ SPREAD: 2.532

VERT SPREAD: 2.830

GROUP SPREAD: 2.924

MIN RADIUS: 0.205

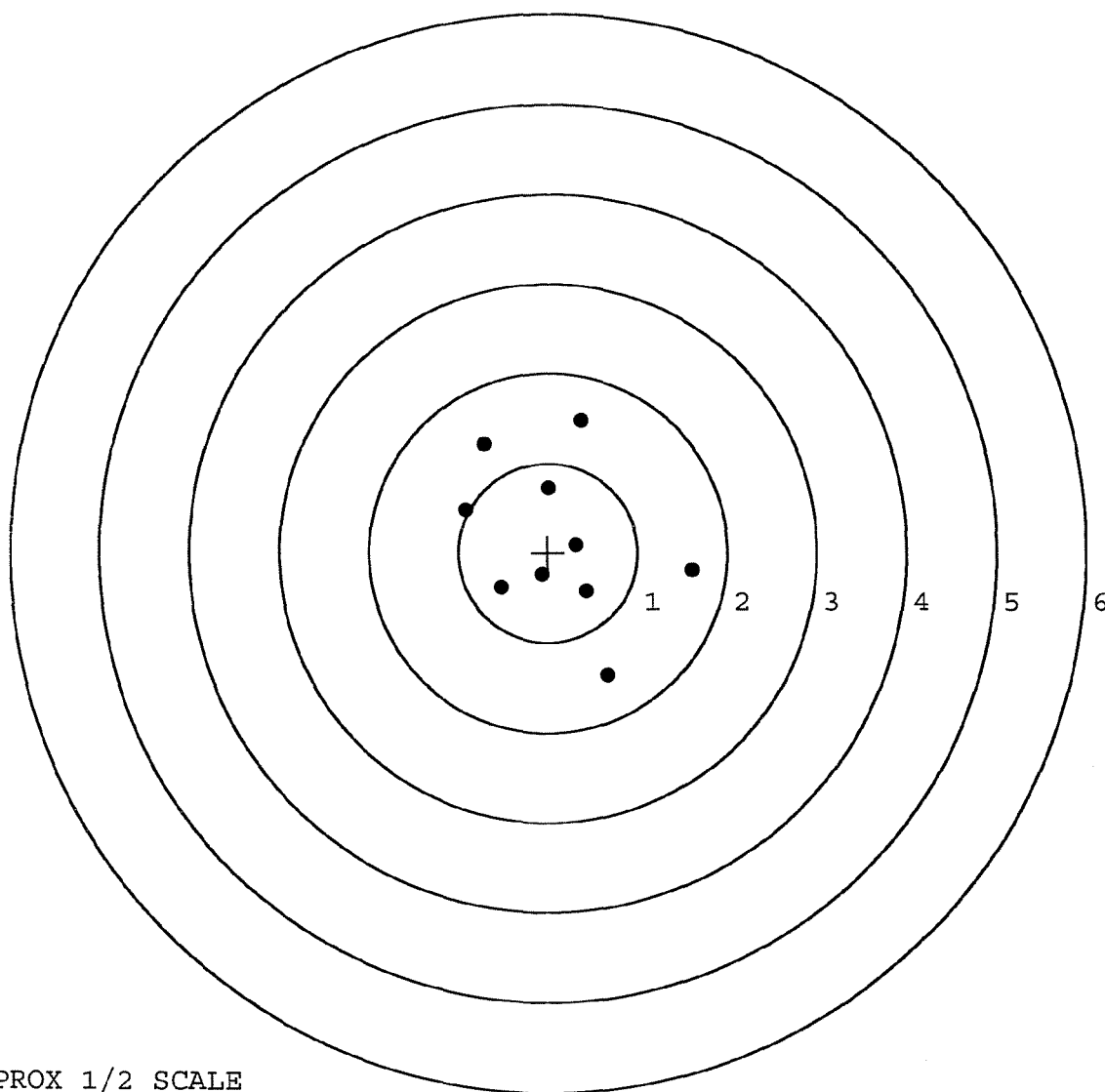
MAX RADIUS: 1.594

MEAN RADIUS: 0.966

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

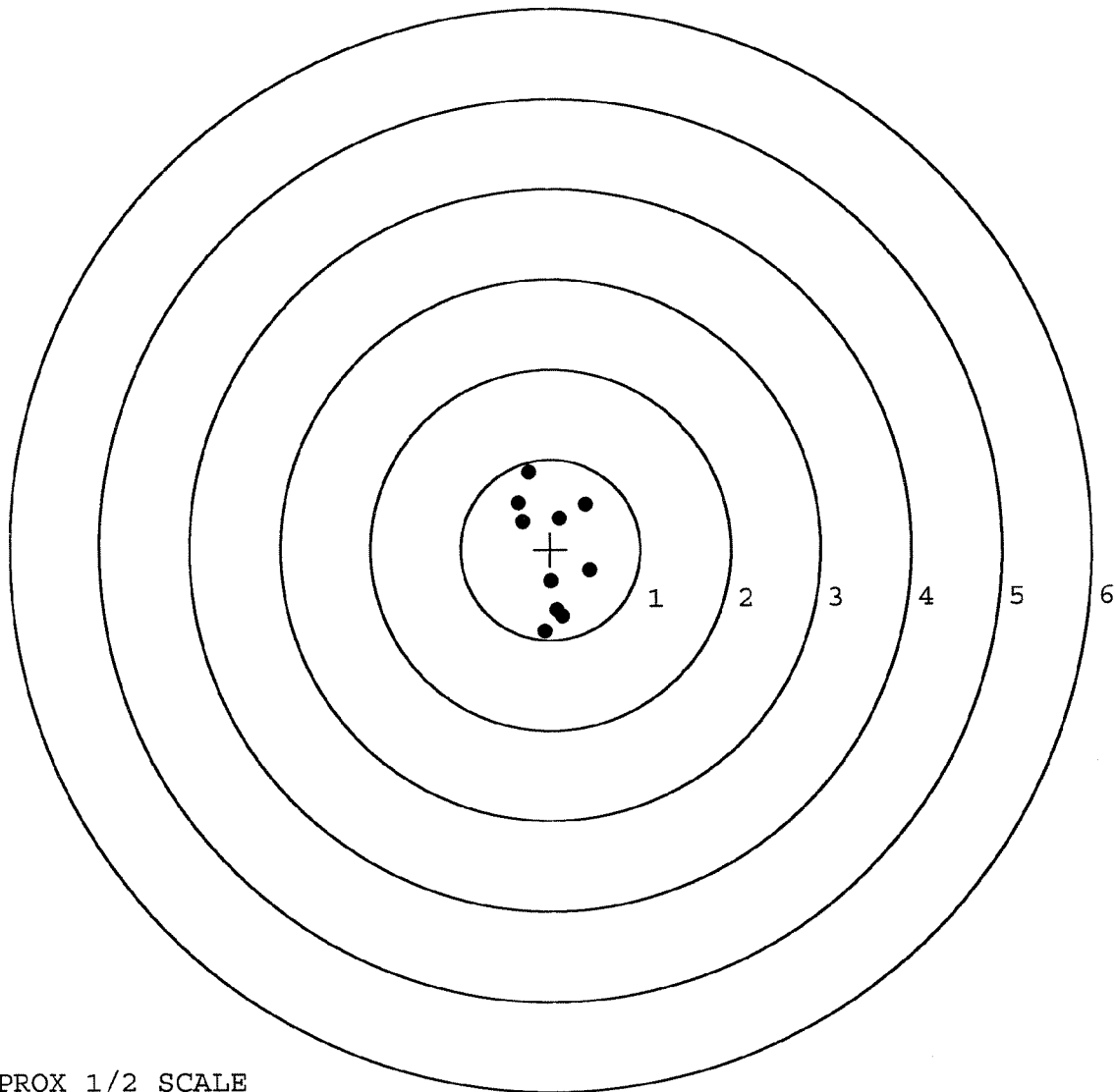


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349113. __0
 TARGET NUMBER: 5
 FILE DATE: 07/18/2005
 FILE TIME: 09:03

POINT#	X	Y
1:	-0.236	0.857
2:	-0.355	0.515
3:	-0.309	0.312
4:	0.105	0.340
5:	0.398	0.497
6:	0.437	-0.236
7:	0.001	-0.359
8:	0.071	-0.674
9:	0.129	-0.746
10:	-0.068	-0.913

X CENTROID: 0.017
 Y CENTROID: -0.041
 POA TO CENTROID: 0.044
 HORZ SPREAD: 0.792
 VERT SPREAD: 1.770
 GROUP SPREAD: 1.778
 MIN RADIUS: 0.319
 MAX RADIUS: 0.933
 MEAN RADIUS: 0.614
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R. & E NUMBER	92902		
SERIAL NUMBER	C6349113		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-1-05	RTZ
560 A	RE-BARREL	6-6-05	RTZ
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTZ
600	PROOF	6-17-05	Ac
605	CHECK HEADSPACE	6-7-05	Ac
610	DIS-ASSEMBLE GUN	6-7-05	RTZ
612	MAGNAFLUX	6/9/05	and
615	ROLLMARK CALIBER	6-9-05	CWJ
618	ROTO-BLAST	6-10-05	UB
620	APPLY COATINGS	6-13-05	W7
625 A	FINAL ASSEMBLY	7-7-05	RTZ
B	TRIGGER PULL TEST	8-8-05	Ac
C	SAFETY "ON" FORCE	8-8-05	Ac
D	SAFETY "OFF" FORCE	8-8-05	Ac
E	FIRING PIN INDENT	8-8-05	Ac
640	TARGET	7-18-05	TRW
655	FINAL INSPECT	8-8-05	Ac
660	PACK	9-6-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

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

MODEL 700™ H24

SERIAL NO.
C6349113

ORDER NO.
5716

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

Ø1



5716 C6349113

UPC



0 47700 125716 7

25

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349113

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		g.s.
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	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		4/23/90	921

BARBER - M24 0108072

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/23/90	JL
	G) Safety Off Force	3	3	3			4/23/90	JL
	H) Trigger Pull Test & Retainability						4/23/90	JY
	I) Firing Pin Indent	.022	.022	.022			4/23/90	JL
	J) Assemble Stock						4/25/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/25/90	RW
	M) Iron Sight Alignment						4/25/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/25/90	RW
	O) Attach Scope to Rifle						4/25/90	JL
	P) Detach & Attach Scope 20 Times						4/25/90	JL
640	Gallery Target & Test						4-25-90	DH
	A) Time						4-25-90	DH
	B) Malfunctions						4-25-90	DH
	C) Pierced Primers						4-25-90	DH
	D) Optical Clarity of Scope						4-25-90	DH
645	Inspect for Live Ammo						4-25-90	DH
655	Final Inspection						4/30/90	WB
	A) Headspace						4/26/90	WB
	B) Trigger Pull	2.46	2.51	2.55	2.52	2.52	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6/19/90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6349113

DATE 4/23/90

TESTER JRU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.33	2.15	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.25	2.23	2.51	
PULL #3	2.31	2.28	2.22	2.55	
PULL #4	2.25	2.33	2.25	2.52	
PULL #5	2.21	2.43	2.30	2.52	
TOTAL	11.22	11.62	11.15		
AVG.	2.244	2.324	2.23		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.40		
PULL #2	3.26	3.39		
PULL #3	3.32	3.39		
PULL #4	3.30	3.39		
PULL #5	3.33	3.29		
TOTAL	16.57	16.86		
AVG.	3.314	3.372		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.39		4.31
PULL #2	4.53	4.40		4.23
PULL #3	4.40	4.42		4.25
PULL #4	4.49	4.44		4.24
PULL #5	4.40	4.41		4.25
TOTAL	22.19	22.06		21.28
AVG.	4.438	4.412		4.256

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349113
25 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.125252
1 TO	2	.314925
1 TO	3	.065
1 TO	4	.761129
1 TO	5	.589804

$\frac{0}{2} 5^4$ <----POA

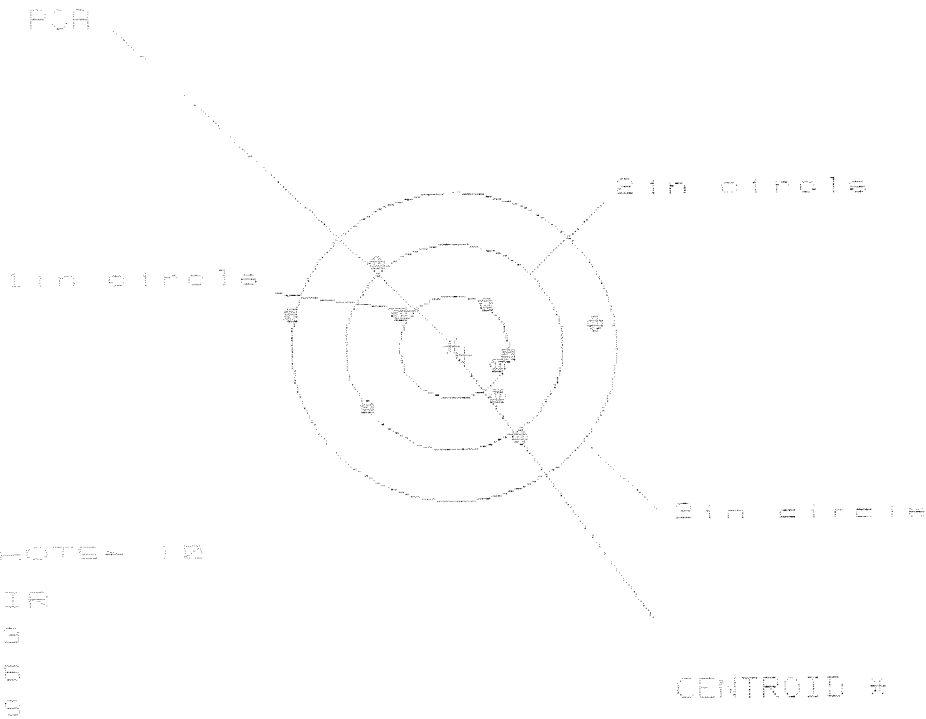
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .206
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0086
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .206179
THE AMR FOR THIS RIFLE IS: .8622

23 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349113

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

BEST = 0.849

VS = 1.681

CS = 2.841

PATTERN #

:



	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.300	1.120	.610
MINIMUM X	-1.540	-.930	-.798
MAXIMUM Y	.849	.880	.908
MINIMUM Y	-.833	-.881	-.773
CENTROID X	-.098	.073	-.068
CENTROID Y	.076	.046	.018
PCR TO CENTROID in.	.125	.086	.071
MIN RADIUS	.455	.282	.416
MEAN RADIUS	.853	.735	.700
MAX RADIUS	1.565	1.218	1.147
HORIZONTAL SPREAD	2.840	2.068	1.400
VERTICAL SPREAD	1.681	1.681	1.681
EXTREME SPREAD	2.841	2.201	2.132
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

20 Apr 1998

FILE: \PATTERNING\CENTERFIRE_PATT\03349113

CENTERFIRE PATTERNS

2

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in 1 in

2 in 1 in

3 in 1 in

1 in 1 in

2 in 1 in

3 in 1 in

CENTROID *

PATTERN #

2

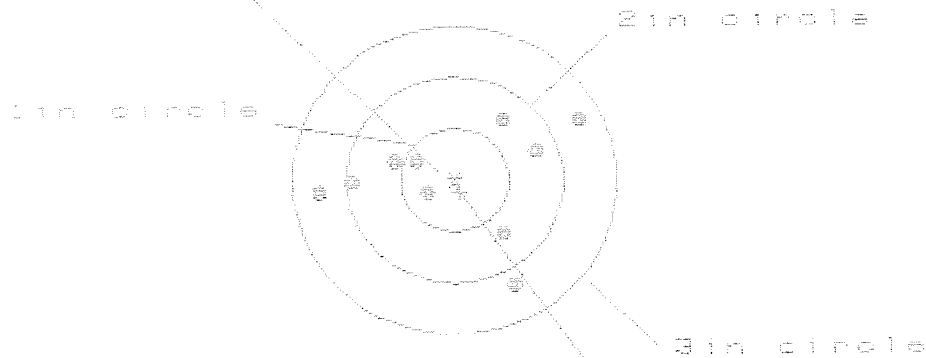
	10	9	8
SHOTS (BEST OF)			
MAXIMUM X	.732	.718	.688
MINIMUM X	-.711	-.725	-.763
MAXIMUM Y	1.105	.955	.845
MINIMUM Y	-1.352	-1.067	-.948
CENTROID X	.059	.073	.111
CENTROID Y	-.195	-.045	-.164
FOR TO CENTROID in.	.284	.085	.190
MIN RADIUS	.194	.174	.134
MEAN RADIUS	.806	.723	.684
MAX RADIUS	1.357	1.257	1.180
HORIZONTAL SPREAD	1.443	1.443	1.443
VERTICAL SPREAD	2.457	2.022	1.793
EXTREME SPREAD	2.453	2.053	2.022
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

23 Apr 1998

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CENTERFIRE PATTERNS # 3

POP



OF SHOTS = 10

IN CH

1 2

2 7

3 10

CENTROID *

X = 0.4550

Y = 1.0200

Z = 0.4550

PATTERN #

:

3

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.136

.832

.695

MINIMUM X

:

-1.220

-1.095

-.982

MAXIMUM Y

:

.622

.691

.680

MINIMUM Y

:

-1.002

-.934

-.945

CENTROID X

:

-.046

-.171

-.034

CENTROID Y

:

.117

.048

.059

POP TO CENTROID (in)

:

.125

.178

.069

MIN RADIUS

:

.238

.095

.229

MEAN RADIUS

:

.797

.717

.684

MAX RADIUS

:

1.285

1.125

1.055

HORIZONTAL SPREAD

:

2.350

1.927

1.877

VERTICAL SPREAD

:

1.625

1.645

1.625

EXTREME SPREAD

:

2.473

1.948

1.768

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

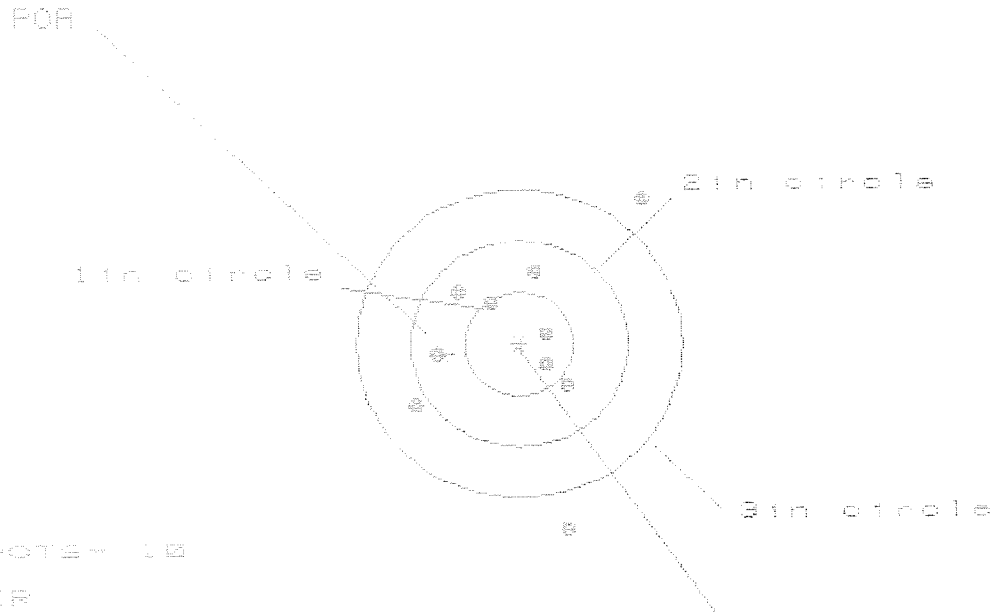
10

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349113

CENTERFIRE PATTERNS

4



+ CF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 2.288

VS= 3.171

GS= 3.251

CENTROID *

PATTERN #

4

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.135	1.182	.663
MINIMUM X	-.953	-.906	-.758
MAXIMUM Y	1.383	1.184	.620
MINIMUM Y	-1.788	-.800	-.652
CENTROID X	.663	.616	.469
CENTROID Y	.092	.291	.143
POA TO CENTROID in.	.669	.582	.490
MIN RADIUS	.206	.265	.338
MEAN RADIUS	.850	.733	.616
MPX RADIUS	1.837	1.673	1.800
HORIZONTAL SPREAD	2.088	2.088	1.422
VERTICAL SPREAD	3.171	1.984	1.272
EXTREME SPREAD	3.251	2.880	1.649
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

25 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/083451.3

CENTERFIRE PATTERNS

5

FOR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS= 2.382

VS= 2.055

ES= 2.484

PATTERN #

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.187	.965	1.077
MINIMUM X	-1.275	-1.085	-.964
MAXIMUM Y	1.075	1.139	1.181
MINIMUM Y	-.930	-.916	-.874
CENTROID X	.452	.594	.473
CENTROID Y	-.135	-.199	-.241
FOR TO CENTROID in.	.472	.626	.531
MIN RADIUS	.517	.476	.412
MEAN RADIUS	.995	.935	.908
MAX RADIUS	1.400	1.216	1.215
HORIZONTAL SPREAD	2.382	2.055	2.041
VERTICAL SPREAD	2.055	2.055	2.055
EXTREME SPREAD	2.484	2.093	2.093
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	