

C6349129

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

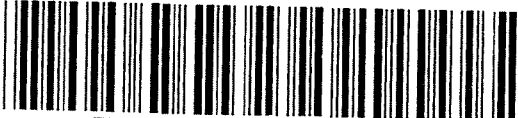
Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Spread®

Serial Number: C6349129
Model: M24 SWS

RE00112658

AVERAGE 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)

DATE 6-2-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.62	2.62		2.52	
PULL #2	2.53	2.46		2.54	
PULL #3	2.57	2.46		2.60	
PULL #4	2.43	2.61		2.50	
PULL #5	2.38	2.49		2.60	
TOTAL	12.53	12.64		12.76	
AVERAGE	2.50	2.52		2.55	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.00		
PULL #2	3.06	3.09		
PULL #3	2.93	2.95		
PULL #4	3.03	3.05		
PULL #5	3.04	3.16		
TOTAL	15.10	15.25		
AVERAGE	3.02	3.05		

	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	4.19		4.21
PULL #2	4.23	4.24		4.05
PULL #3	4.13	4.26		4.09
PULL #4	4.14	4.19		4.10
PULL #5	4.13	4.17		4.12
TOTAL	20.75	21.05		20.57
AVERAGE	4.15	4.21		4.11

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349129.___0
FILE DATE AND TIME: 06/14/2006 16:20

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.020
The Average Y Centroid of the Five Target Set:	-0.008
The Average Point of Impact of the Five Target Set:	0.022
The Average Mean Radius of the Five Target Set:	0.791
The Distance from POA to Centroid Target #1:	0.305
The Distance from Centroid Target #2 to Centroid Target #1:	0.560
The Distance from Centroid Target #3 to Centroid Target #1:	0.281
The Distance from Centroid Target #4 to Centroid Target #1:	0.311
The Distance from Centroid Target #5 to Centroid Target #1:	0.373

SERIAL NUMBER: C6349129. __0

TARGET NUMBER: 1

FILE DATE: 06/14/2006

FILE TIME: 16:20

X CENTROID: -0.299

Y CENTROID: -0.057

POA TO CENTROID: 0.305

HORZ SPREAD: 2.030

VERT SPREAD: 1.829

GROUP SPREAD: 2.629

MIN RADIUS: 0.205

MAX RADIUS: 1.476

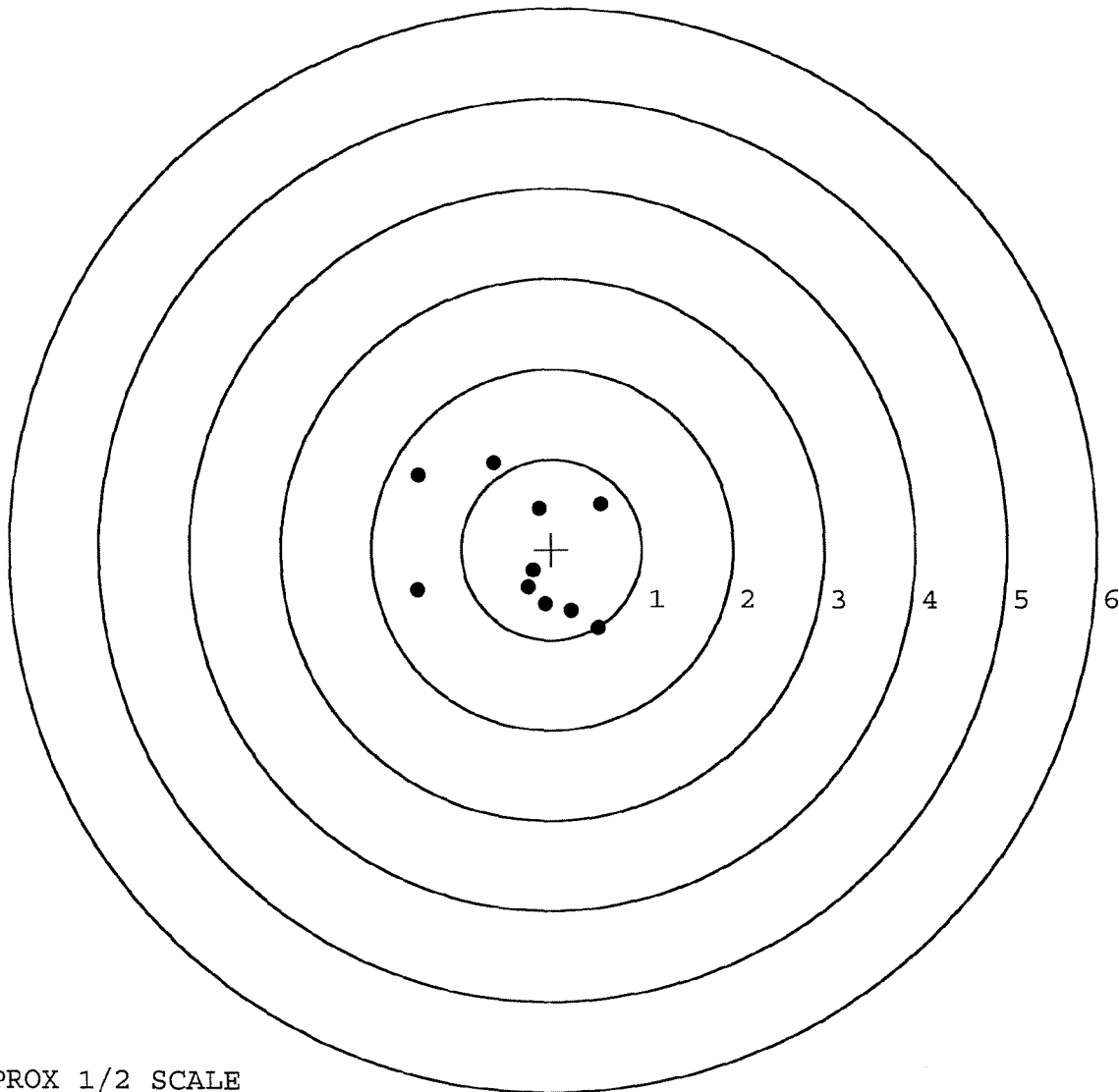
MEAN RADIUS: 0.850

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.485	-0.460
2:	-1.485	0.823
3:	-0.647	0.957
4:	-0.142	0.450
5:	-0.209	-0.241
6:	-0.254	-0.431
7:	-0.067	-0.610
8:	0.226	-0.682
9:	0.525	-0.872
10:	0.545	0.500



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129. 0

TARGET NUMBER: 2

FILE DATE: 06/14/2006

FILE TIME: 16:20

POINT#	X	Y
1:	-0.802	-0.174
2:	-0.304	-0.083
3:	0.022	0.613
4:	0.072	-0.271
5:	0.236	0.123
6:	0.633	0.279
7:	1.375	0.262
8:	1.327	0.093
9:	-0.003	-0.727
10:	0.039	-1.025

X CENTROID: 0.260

Y CENTROID: -0.091

POA TO CENTROID: 0.275

HORZ SPREAD: 2.177

VERT SPREAD: 1.638

GROUP SPREAD: 2.220

MIN RADIUS: 0.215

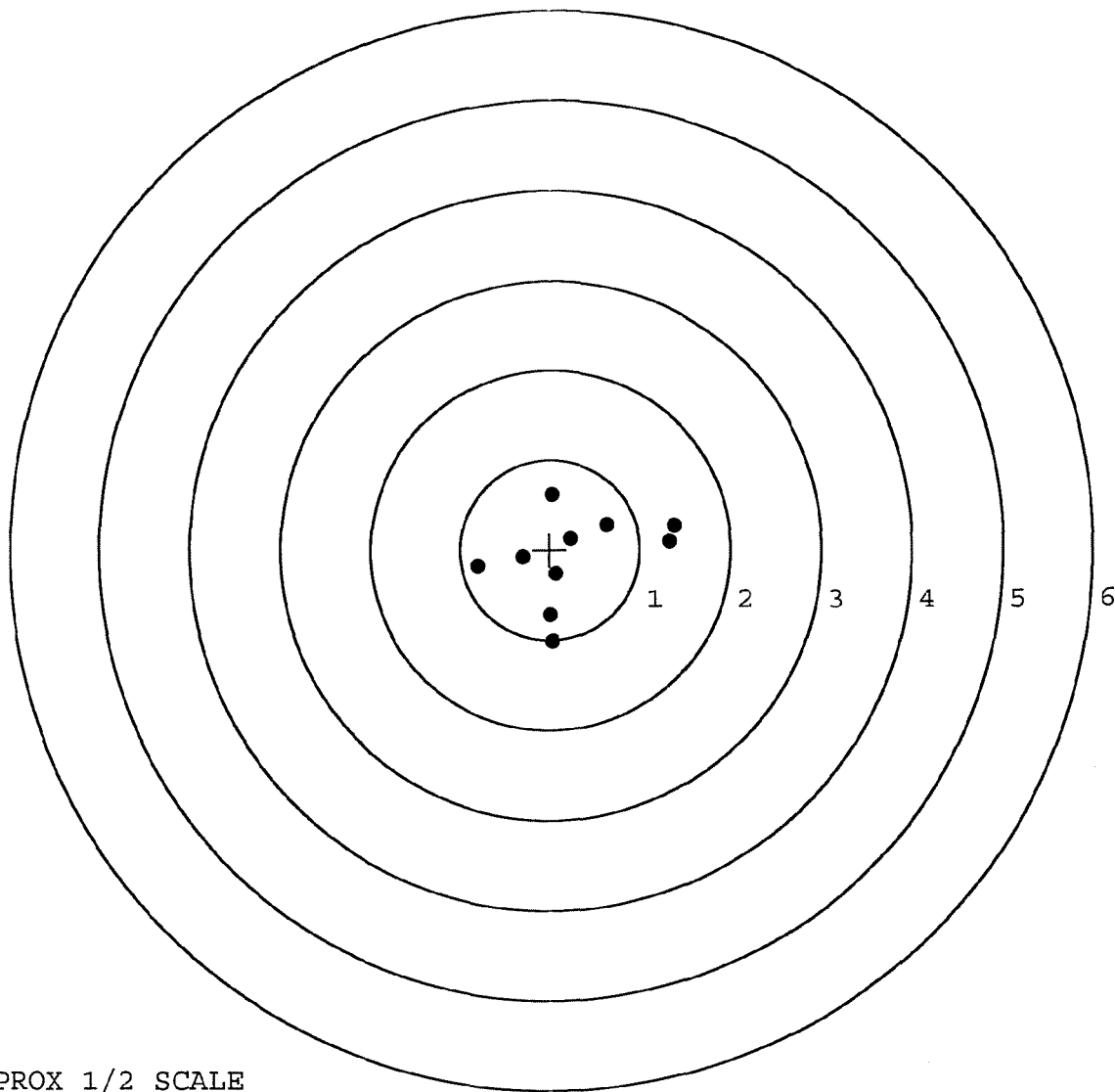
MAX RADIUS: 1.170

MEAN RADIUS: 0.727

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129. __0

TARGET NUMBER: 3

FILE DATE: 06/14/2006

FILE TIME: 16:20

X CENTROID: -0.028

Y CENTROID: -0.128

POA TO CENTROID: 0.131

HORZ SPREAD: 1.946

VERT SPREAD: 2.507

GROUP SPREAD: 2.612

MIN RADIUS: 0.412

MAX RADIUS: 1.555

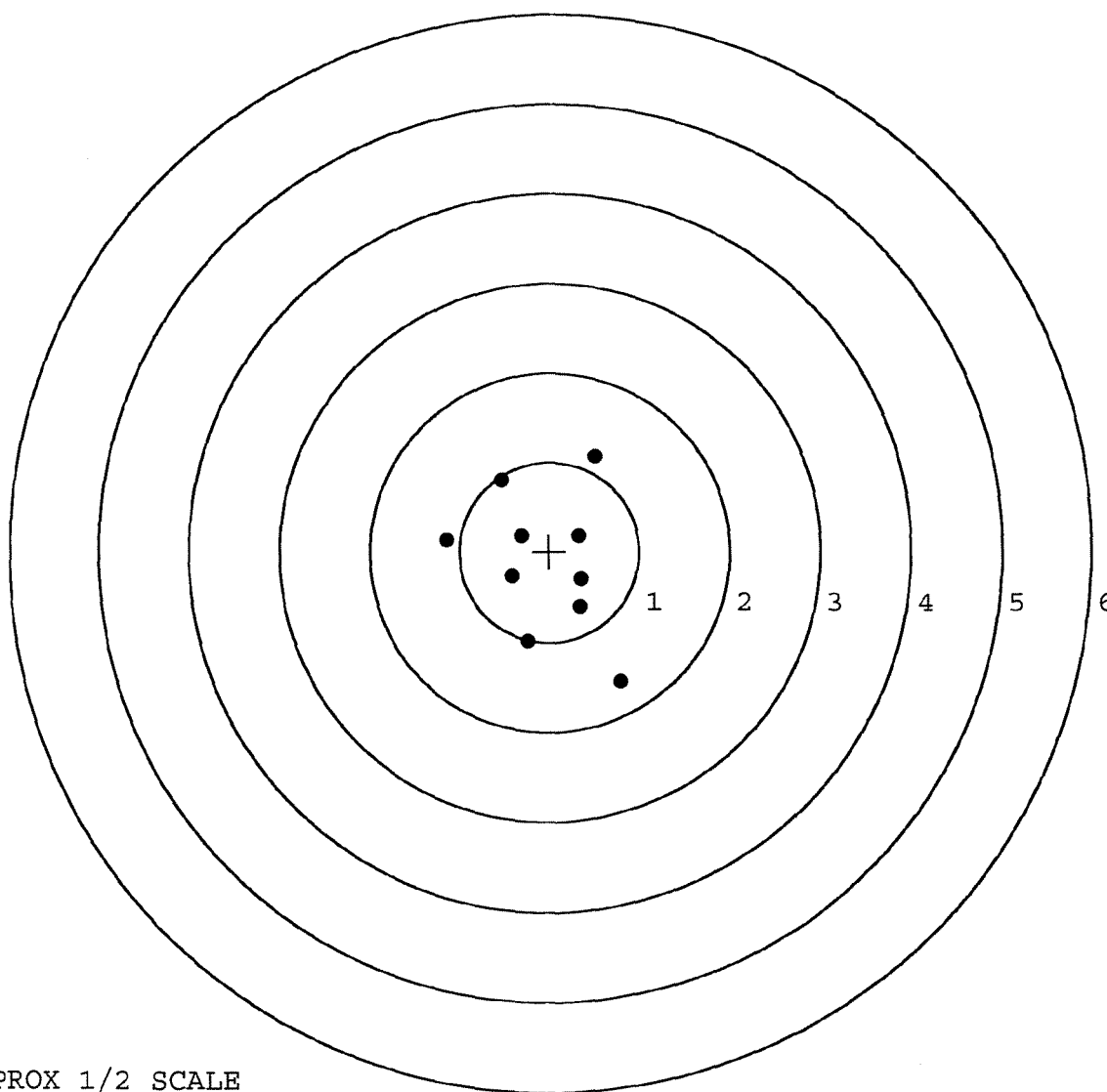
MEAN RADIUS: 0.830

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.507	1.065
2:	-0.538	0.799
3:	-1.142	0.133
4:	-0.312	0.174
5:	-0.412	-0.277
6:	0.339	0.175
7:	0.361	-0.304
8:	0.349	-0.613
9:	-0.237	-0.994
10:	0.804	-1.442



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129. __0

TARGET NUMBER: 4

FILE DATE: 06/14/2006

FILE TIME: 16:20

X CENTROID: -0.085

Y CENTROID: 0.168

POA TO CENTROID: 0.188

HORZ SPREAD: 2.131

VERT SPREAD: 2.511

GROUP SPREAD: 2.608

MIN RADIUS: 0.197

MAX RADIUS: 2.054

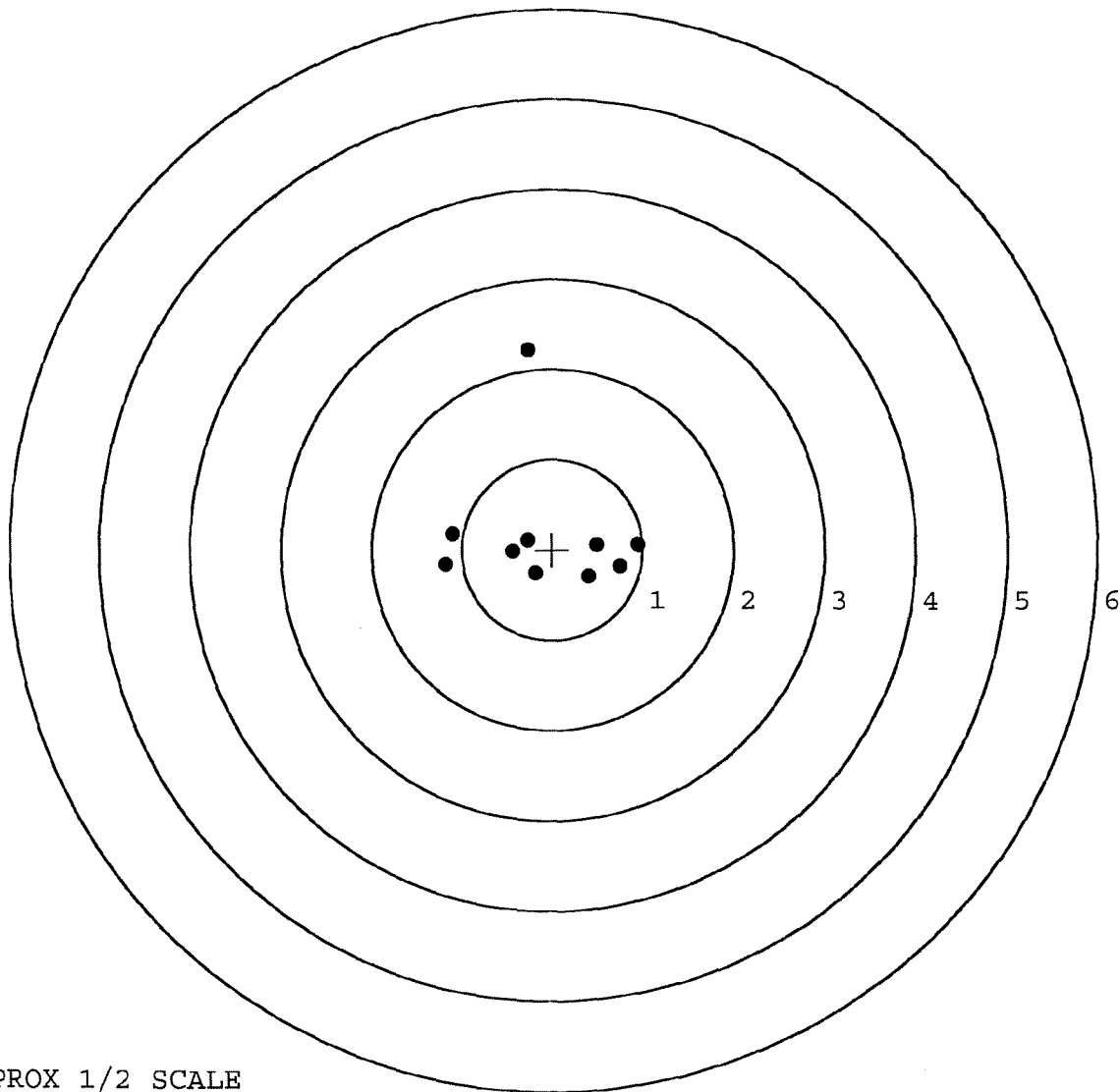
MEAN RADIUS: 0.847

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.102	0.176
2:	-1.182	-0.161
3:	-0.272	0.107
4:	-0.435	-0.025
5:	-0.180	-0.266
6:	0.410	-0.298
7:	0.497	0.055
8:	0.748	-0.183
9:	0.949	0.064
10:	-0.283	2.213



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349129. __0

TARGET NUMBER: 5

FILE DATE: 06/14/2006

FILE TIME: 16:20

X CENTROID: 0.052

Y CENTROID: 0.070

POA TO CENTROID: 0.087

HORZ SPREAD: 2.995

VERT SPREAD: 1.441

GROUP SPREAD: 3.006

MIN RADIUS: 0.168

MAX RADIUS: 1.699

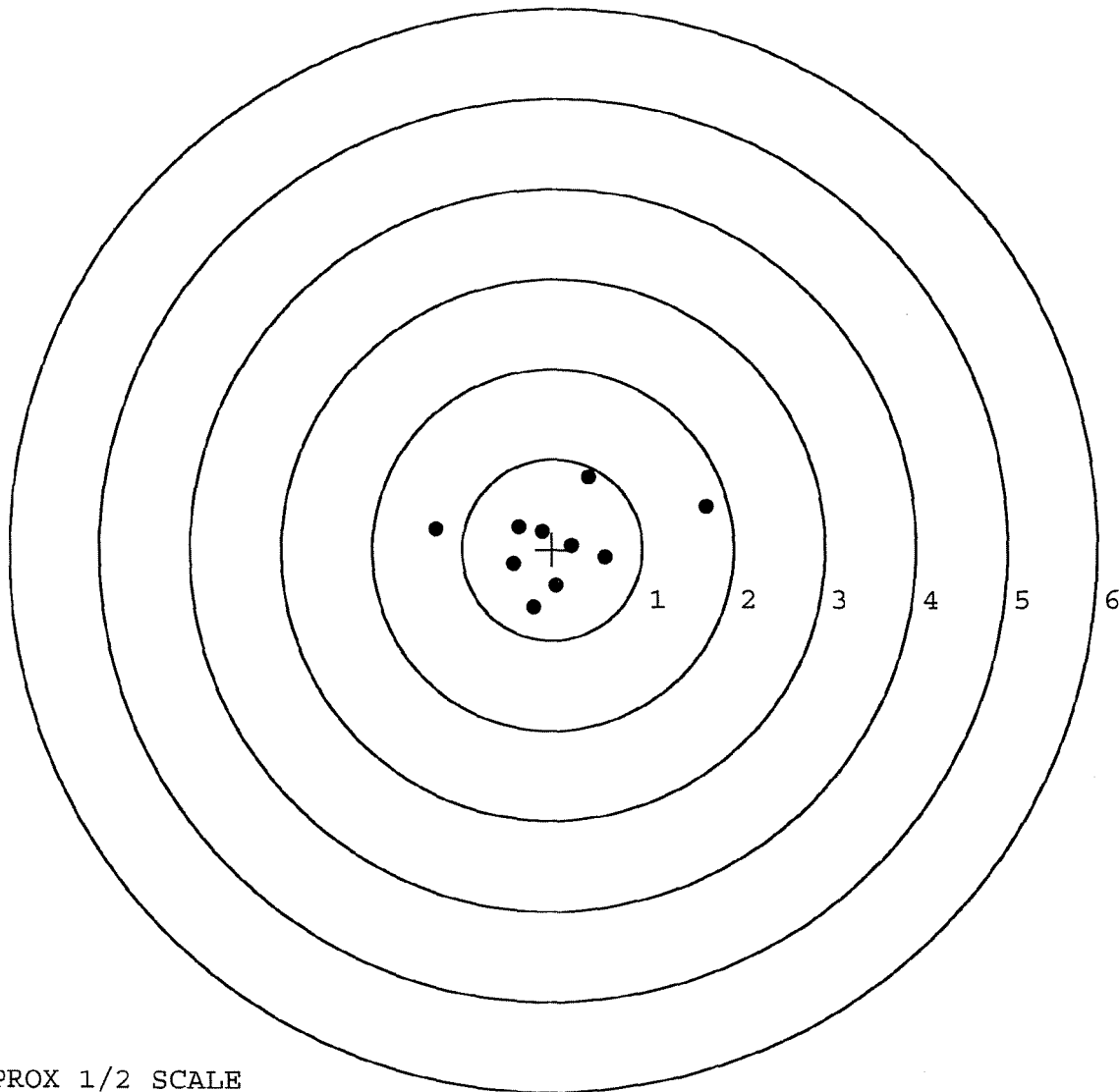
MEAN RADIUS: 0.702

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.295	0.225
2:	-0.375	0.252
3:	-0.115	0.196
4:	-0.432	-0.167
5:	0.394	0.799
6:	0.217	0.042
7:	0.583	-0.087
8:	0.053	-0.402
9:	-0.213	-0.642
10:	1.700	0.480



TARGET APPROX 1/2 SCALE

R & E NUMBER	112658		
SERIAL NUMBER	C10349129		
LOG-IN DATE	5-22-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-5-06	RTZ
505	RE-BARREL	6-6-06	RTZ
560	ASSEMBLE	6-7-06	RTZ
600	PROOF	MAGNA-FLUX INSPECTED JUN 09 2006 OPERATOR <u>APD</u>	TRW
605	CHECK HEADSPACE	6-7-06	RTZ
610	DIS-ASSEMBLE GUN	6-7-06	RTZ
612	MAGNAFLUX	6-9-06	APD
510	DRILL AND TAP	6-8-06	TRW
615	ROLLMARK CALIBER	6-9-06	CW
618	ROTO-BLAST	6-9-06	CB
620	APPLY COATINGS	6-13-06	TRB
625	FINAL ASSEMBLY	6-14-06	RTZ
640	FUNCTION TEST AND	PASS FAIL	6-14-06 mjm
650	TARGET	PASS FAIL	6-14-06 mjm
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		6-20-06 P.P.D.
	A) HEADSPACE	PASS FAIL	6-20-06 P.P.D.
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.48 2.50 2.53 2.43 2.50 6-15-06 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.0 7.0 7.0 6-15-06 DA
	G) SAFETY OFF FORCE	2 LBS MIN	4.0 4.0 4.0 6-15-06 DA
	I) FIRING PIN INDENT	.020	.003 .003 .003 6-15-06 DA
690	PACK		6-28-06 DA

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

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

MODEL 700™ M24

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

SERIAL NO.
C6349129

ORDER NO.
5716

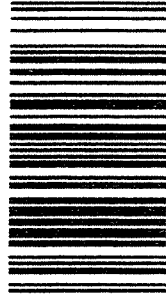
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6349129

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349129

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	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	GL
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel <i>RB</i>		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	JA
	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		5/4/90	GL

BARBER - M24 0108403

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/4/90	JP
	G) Safety Off Force	3	3	3			5/4/90	JP
	H) Trigger Pull Test & Retainability						5/4/90	JP
	I) Firing Pin Indent	.020	.020	.020			5/4/90	JP
	J) Assemble Stock						5/4/90	RW
	K) Assemble Swivel Studs						5/8/90	WB
	L) Attach Front and Rear Sight Assemblies						5/4/90	RW
	M) Iron Sight Alignment						5/4/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/4/90	RW
	O) Attach Scope to Rifle						5/7/90	WB
	P) Detach & Attach Scope 20 Times						5/7/90	WB
640	Gallery Target & Test						5-7-90	DH
	A) Time						5-7-90	DH
	B) Malfunctions						5-7-90	DH
	C) Pierced Primers						5-7-90	DH
	D) Optical Clarity of Scope						5-7-90	DH
645	Inspect for Live Ammo						5-7-90	DH
655	Final Inspection						5/8/90	WB
	A) Headspace							
	B) Trigger Pull	2.46	2.48	2.49	2.39	2.44	5/7/90	WB
	C) Function						5/8/90	WB
660	Pack						6-9-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06349129

DATE 5/4/90

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.51	2.50	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.50	2.45	2.48	
PULL #3	2.41	2.55	2.38	2.49	
PULL #4	2.45	2.38	2.51	2.39	
PULL #5	2.53	2.38	2.35	2.44	
TOTAL	12.45	12.32	12.31		
AVG.	2.49	2.464	2.422		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.40		
PULL #2	3.43	3.46		
PULL #3	3.40	3.36		
PULL #4	3.36	3.42		
PULL #5	3.48	3.37		
TOTAL	17.14	17.01		
AVG.	3.428	3.402		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.54		4.40
PULL #2	4.46	4.53		4.42
PULL #3	4.26	4.49		4.49
PULL #4	4.49	4.45		4.41
PULL #5	4.48	4.49		4.46
TOTAL	22.06	22.50		22.18
AVG.	4.412	4.5		4.436

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349129
7 May 1990

CENTROIDAL DISTANCES

0 TO	1	.16568
1 TO	2	.148637
1 TO	3	.157886
1 TO	4	.423562
1 TO	5	.150073

$\bar{x}^+$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1164
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .211176
THE AMP FOR THIS RIFLE IS: .829

7 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06349129

CENTERFIRE PATTERNS

1

POB

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

ME= 1.661

VS= 2.354

GS= 2.456

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.947	.868	.854
MINIMUM X	-.714	-.543	-.557
MAXIMUM Y	1.084	1.154	1.011
MINIMUM Y	-1.278	-1.150	-.819
CENTROID X	.165	.244	.258
CENTROID Y	-.015	-.135	.008
POB TO CENTROID in.	.165	.279	.258
MIN RADIUS	.190	.284	.140
MEAN RADIUS	.825	.773	.704
MAX RADIUS	1.298	1.202	1.060
HORIZONTAL SPREAD	1.661	1.411	1.411
VERTICAL SPREAD	2.354	2.304	1.830
EXTREME SPREAD	2.456	2.347	2.030
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349129

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HBI = 2.041

VBI = 2.077

GBI = 2.399

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.826	.691	.586
MINIMUM X	-1.215	-.837	-.857
MAXIMUM Y	.998	.942	.881
MINIMUM Y	-1.079	-1.135	-.872
CENTROID X	.143	.278	.383
CENTROID Y	.132	.188	.329
POR TO CENTROID in.	.195	.335	.505
MIN RADIUS	.131	.138	.308
MEAN RADIUS	.819	.742	.644
MAX RADIUS	1.313	1.410	.929
HORIZONTAL SPREAD	2.041	1.528	1.443
VERTICAL SPREAD	2.077	2.077	1.673
EXTREME SPREAD	2.399	2.399	1.755
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 May 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06349129

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HET = 2.580

VS = 1.680

GS = 2.580

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.294	1.068	.925
MINIMUM X	-1.286	-1.143	-.847
MAXIMUM Y	.993	.941	.904
MINIMUM Y	-.687	-.739	-.776
CENTROID X	.053	-.091	.052
CENTROID Y	.096	.148	.185
POA TO CENTROID in.	.169	.174	.192
MIN RADIUS	.375	.330	.439
MEAN RADIUS	.868	.802	.758
MAX RADIUS	1.375	1.181	.958
HORIZONTAL SPREAD	2.580	2.211	1.772
VERTICAL SPREAD	1.680	1.680	1.680
EXTREME SPREAD	2.589	2.286	1.805
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/09349129

CENTERFIRE PATTERNS

4

POR

1 in circle

2 in circle

3 in circle

OF SHOTS- 12

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS= 3.054

VS= 3.186

GS= 3.295

CENTROID *

PATTERN #

4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	1.091	.995
MINIMUM X	:	-.981	-.973	-1.069
MAXIMUM Y	:	2.252	.677	.591
MINIMUM Y	:	-.934	-.683	-.731
CENTROID X	:	.466	.458	.554
CENTROID Y	:	.283	.032	.118
POR TO CENTROID in.	:	.545	.460	.566
MIN RADIUS	:	.186	.335	.213
MEAN RADIUS	:	.892	.734	.686
MAX RADIUS	:	2.253	1.158	1.121
HORIZONTAL SPREAD	:	2.064	2.064	2.064
VERTICAL SPREAD	:	3.186	1.360	1.322
EXTREME SPREAD	:	3.295	2.179	2.128
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

7 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349129

CENTERFIRE PATTERNS

5

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 1.665

VS = 2.084

GS = 2.127

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.668
MINIMUM X	-.996
MAXIMUM Y	.940
MINIMUM Y	-1.144
CENTROID X	.054
CENTROID Y	.086
POR TO CENTROID in.	.102
MIN RADIUS	.238
MEAN RADIUS	.751
MAX RADIUS	1.159
HORIZONTAL SPREAD	1.665
VERTICAL SPREAD	2.084
EXTREME SPREAD	2.127
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10