

06522234

MODEL 700™ M24

Model **5M5**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C@6522334.__0
FILE DATE AND TIME: 10/28/2003 10:28

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	0.116
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.534
The Distance from POA to Centroid Target #1:	0.234
The Distance from Centroid Target #2 to Centroid Target #1:	0.195
The Distance from Centroid Target #3 to Centroid Target #1:	0.236
The Distance from Centroid Target #4 to Centroid Target #1:	0.280
The Distance from Centroid Target #5 to Centroid Target #1:	0.218

SERIAL NUMBER: G6522334. 0

TARGET NUMBER: 1

FILE DATE: 10/28/2003

FILE TIME: 10:28

POINT#	X	Y
1:	0.555	1.273
2:	-0.254	0.828
3:	0.578	0.550
4:	0.161	0.440
5:	-0.359	0.018
6:	-0.504	-0.273
7:	-0.011	-0.221
8:	0.403	-0.053
9:	0.137	-0.007
10:	-0.436	-0.234

X CENTROID: 0.027

Y CENTROID: 0.232

POA TO CENTROID: 0.234

HORZ SPREAD: 1.082

VERT SPREAD: 1.546

GROUP SPREAD: 1.874

MIN RADIUS: 0.247

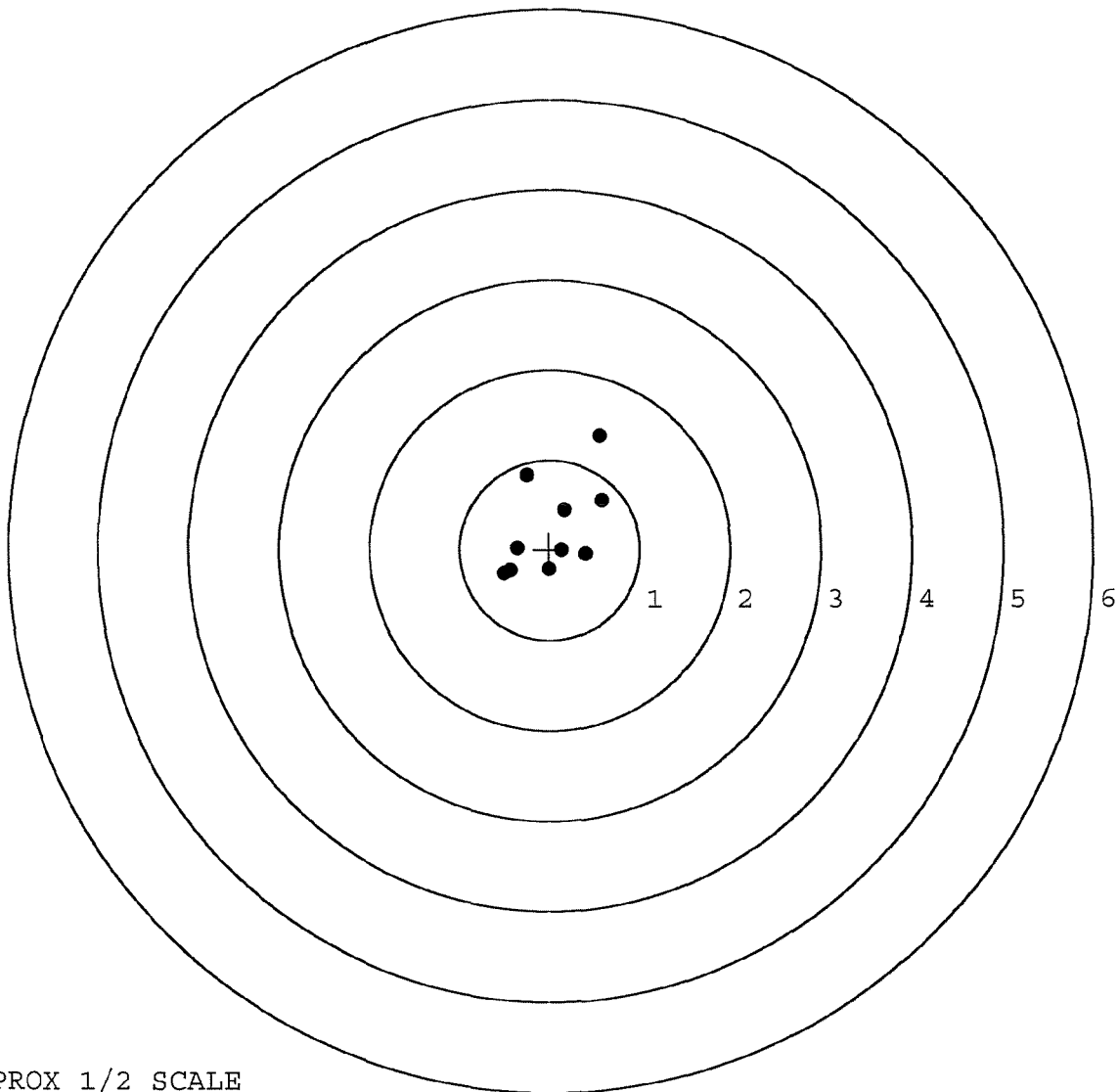
MAX RADIUS: 1.167

MEAN RADIUS: 0.573

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0

TARGET NUMBER: 2

FILE DATE: 10/28/2003

FILE TIME: 10:28

POINT#	X	Y
1:	0.617	1.547
2:	-0.712	0.809
3:	-0.614	0.481
4:	0.233	0.837
5:	-0.443	0.003
6:	-0.192	-0.530
7:	-0.067	-0.094
8:	0.096	0.375
9:	-0.011	0.256
10:	-0.028	0.007

X CENTROID: -0.112

Y CENTROID: 0.369

POA TO CENTROID: 0.386

HORZ SPREAD: 1.329

VERT SPREAD: 2.077

GROUP SPREAD: 2.229

MIN RADIUS: 0.152

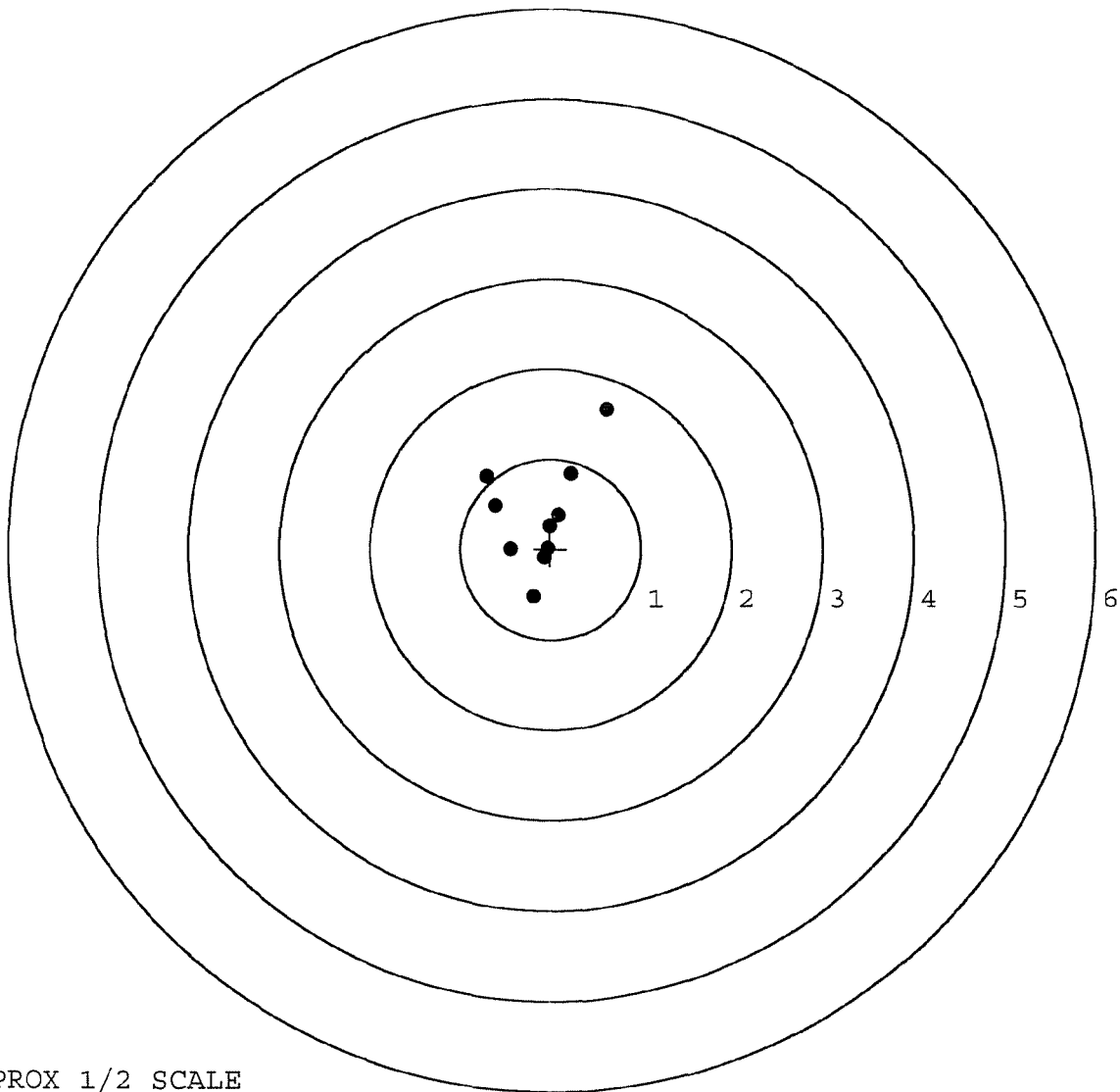
MAX RADIUS: 1.385

MEAN RADIUS: 0.582

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

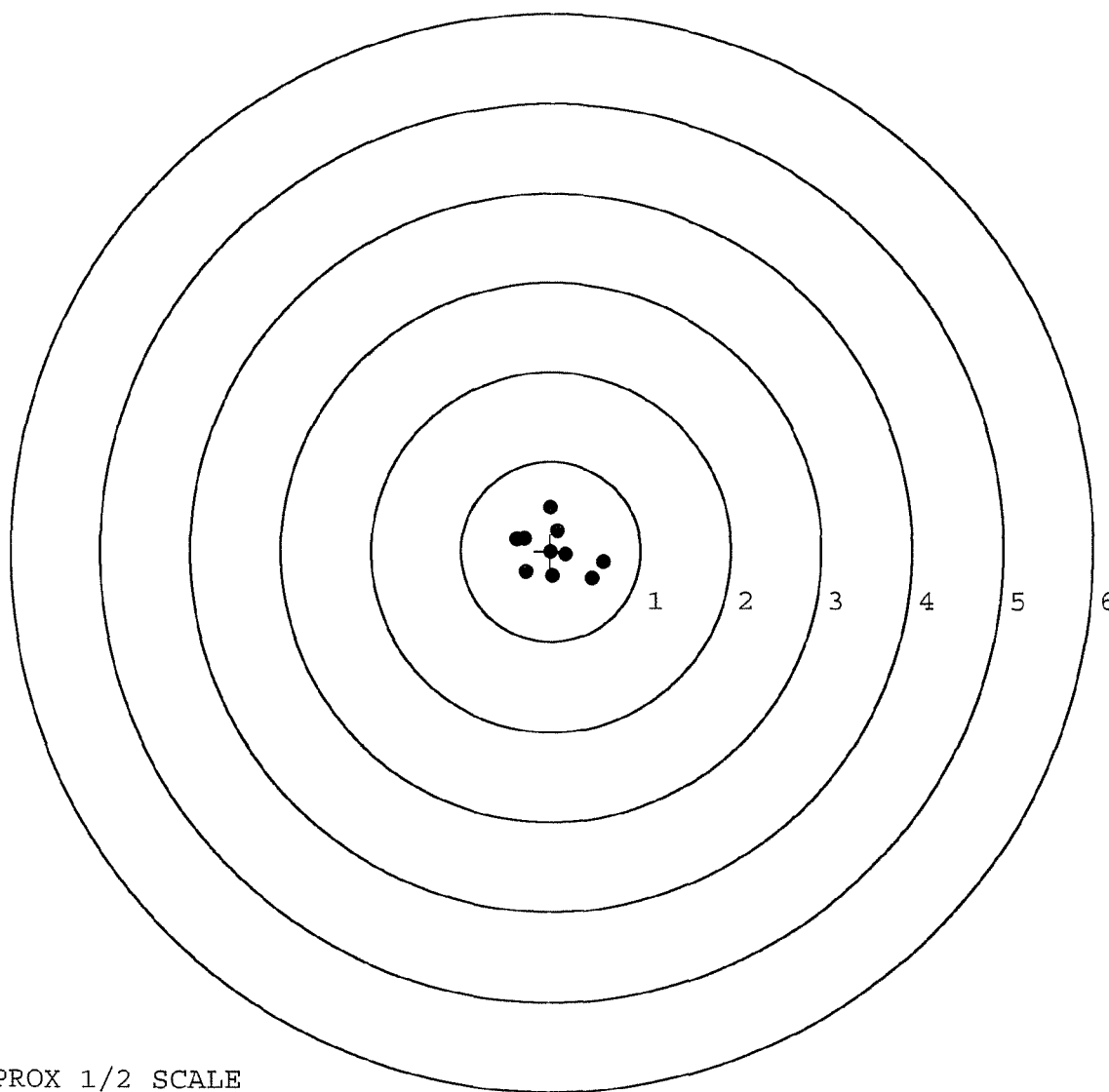


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0
TARGET NUMBER: 3
FILE DATE: 10/28/2003
FILE TIME: 10:28

X CENTROID: 0.037
Y CENTROID: -0.004
POA TO CENTROID: 0.037
HORZ SPREAD: 0.971
VERT SPREAD: 0.790
GROUP SPREAD: 1.004
MIN RADIUS: 0.037
MAX RADIUS: 0.567
MEAN RADIUS: 0.344
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.007	0.485
2:	-0.380	0.129
3:	-0.277	-0.237
4:	0.024	-0.285
5:	0.460	-0.305
6:	0.591	-0.126
7:	0.167	-0.041
8:	0.080	0.221
9:	-0.288	0.140
10:	0.002	-0.016



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0

TARGET NUMBER: 4

FILE DATE: 10/28/2003

FILE TIME: 10:28

POINT#	X	Y
1:	-0.639	0.485
2:	-0.511	-0.461
3:	-0.474	-0.868
4:	0.408	-0.631
5:	0.424	-0.318
6:	0.078	0.503
7:	-0.126	0.398
8:	0.096	0.336
9:	0.025	-0.025
10:	0.006	0.275

X CENTROID: -0.071

Y CENTROID: -0.031

POA TO CENTROID: 0.078

HORZ SPREAD: 1.063

VERT SPREAD: 1.371

GROUP SPREAD: 1.478

MIN RADIUS: 0.096

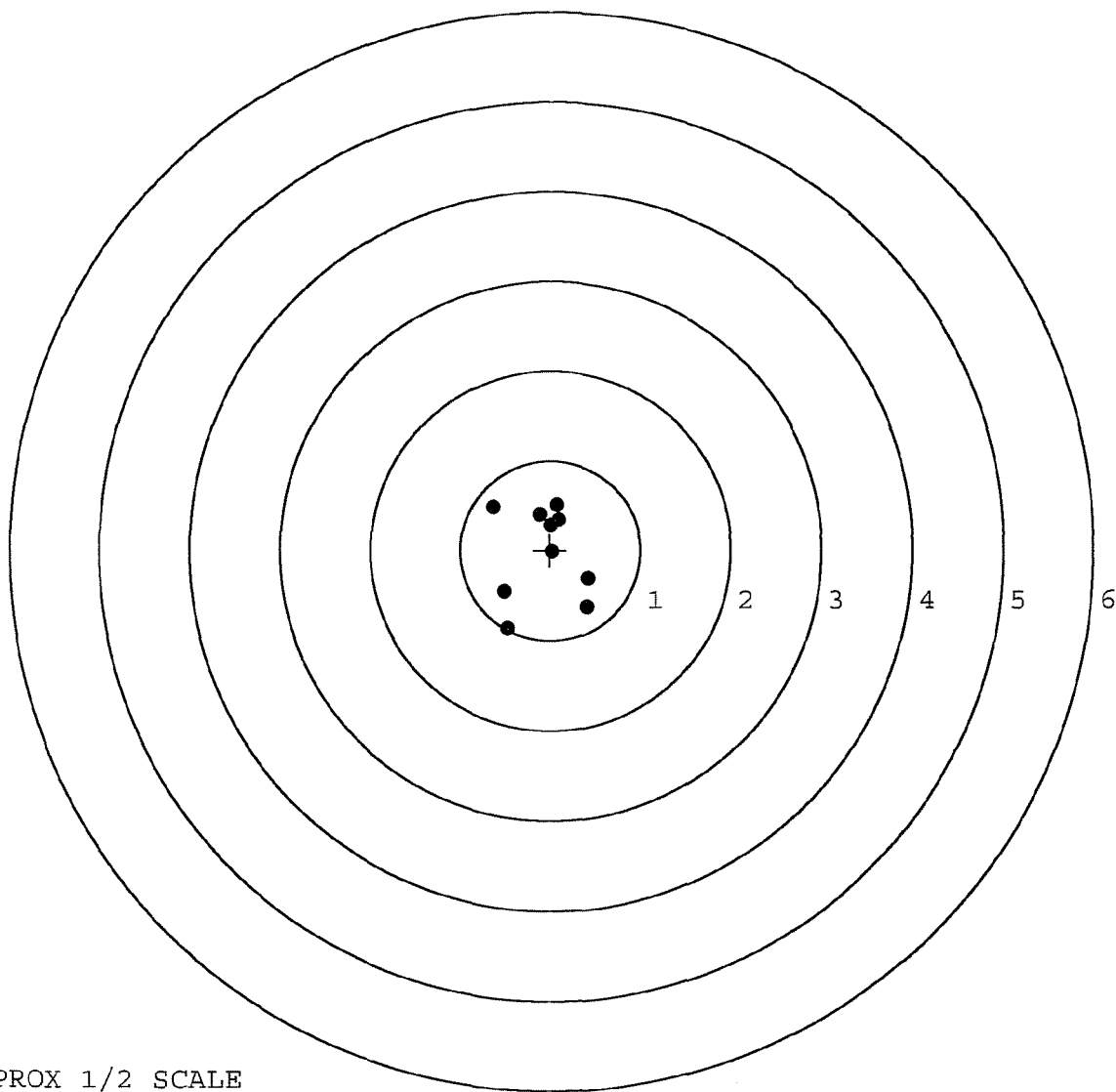
MAX RADIUS: 0.929

MEAN RADIUS: 0.545

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6522334. __0

TARGET NUMBER: 5

FILE DATE: 10/28/2003

FILE TIME: 10:28

X CENTROID: 0.014

Y CENTROID: 0.015

POA TO CENTROID: 0.020

HORZ SPREAD: 1.810

VERT SPREAD: 1.461

GROUP SPREAD: 1.859

MIN RADIUS: 0.241

MAX RADIUS: 1.067

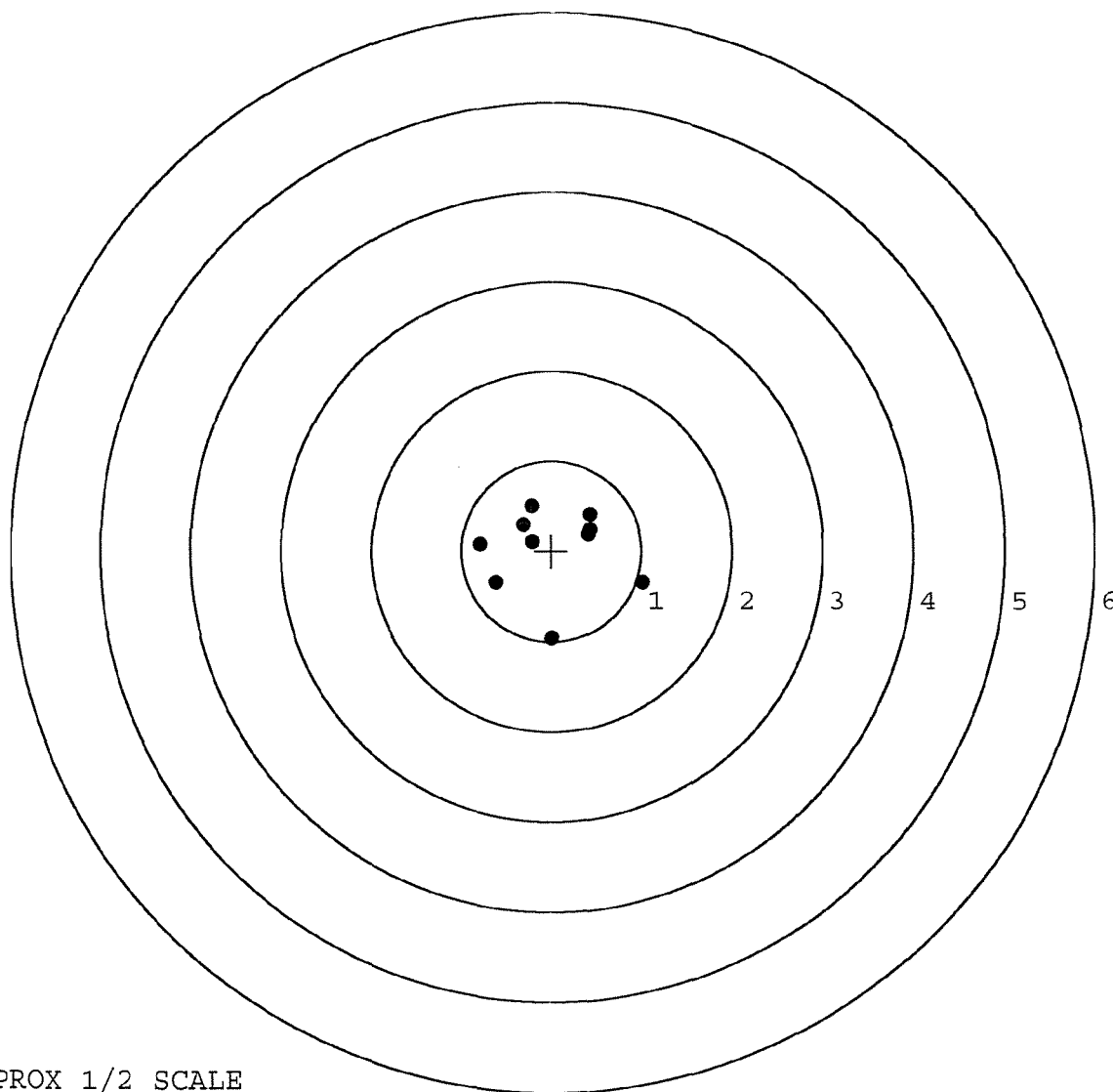
MEAN RADIUS: 0.627

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.224	0.494
2:	-0.316	0.292
3:	-0.210	0.104
4:	0.428	0.409
5:	0.411	0.189
6:	1.018	-0.347
7:	0.007	-0.967
8:	-0.615	-0.348
9:	-0.792	0.078
10:	0.432	0.242



TARGET APPROX 1/2 SCALE

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

SERIAL # C6522334

INSPECTED BY: RTL

DATE REC'D: 9-30-03

DATE RET'D: 10/29/03

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:

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

R & E NUMBER	070771		
SERIAL NUMBER	C6522334		
LOG-IN DATE	10-17-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-7-03	RL
560 A	RE-BARREL	10-8-03	RTL
B	DRILL AND TAP	10-10-03	TRW
575	ASSEMBLE	10-9-03	RTL
600	PROOF	10-9-03	AC
605	CHECK HEADSPACE	10-9-03	AC
610	DIS-ASSEMBLE GUN	10-10-03	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	10-11-03	B
618	ROTO-BLAST	10/13/2003	Dons
620	APPLY COATINGS	10-15	TA
625 A	FINAL ASSEMBLY	10-25-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-28-03	AC
655	FINAL INSPECT	10-29-03	RTL
660	PACK	10-29-03	RA
		SHIP DATE	
QAR INSPECTION DATE			




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

MODEL 700™

H24

SERIAL NO.

D6522234

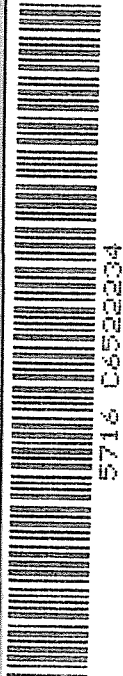
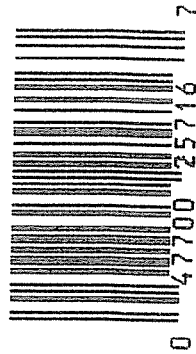
ORDER NO.

5716

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

Q1

UPC



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522234
14 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	1.97992
1 TO	2	.185003
1 TO	3	2.52948
1 TO	4	1.58408
1 TO	5	1.52257

3
+ + 5 ----POA

21

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.0774
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.5796
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.22341
THE AMR FOR THIS RIFLE IS: .6976

14 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522234

CENTERFIRE PATTERNS

1

POA

+

2in circle

1in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 5

2in = 9

3in = 10

HS= 1.739

VS= 1.363

GS= 1.860

CENTROID X

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.101

.552

.547

MINIMUM X

:

-.638

-.516

-.521

MAXIMUM Y

:

.654

.655

.576

MINIMUM Y

:

-.709

-.637

-.700

CENTROID X

:

1.062

.940

.945

CENTROID Y

:

-1.671

-1.743

-1.664

POA TO CENTROID in.

:

1.980

1.981

1.914

MIN RADIUS

:

.027

.125

.131

MEAN RADIUS

:

.519

.428

.395

MAX RADIUS

:

1.280

.693

.756

HORIZONTAL SPREAD

:

1.739

1.068

1.068

VERTICAL SPREAD

:

1.363

1.292

1.276

EXTREME SPREAD

:

1.860

1.377

1.377

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

9

NUMBER IN THREE INCH CIRCLE =

10

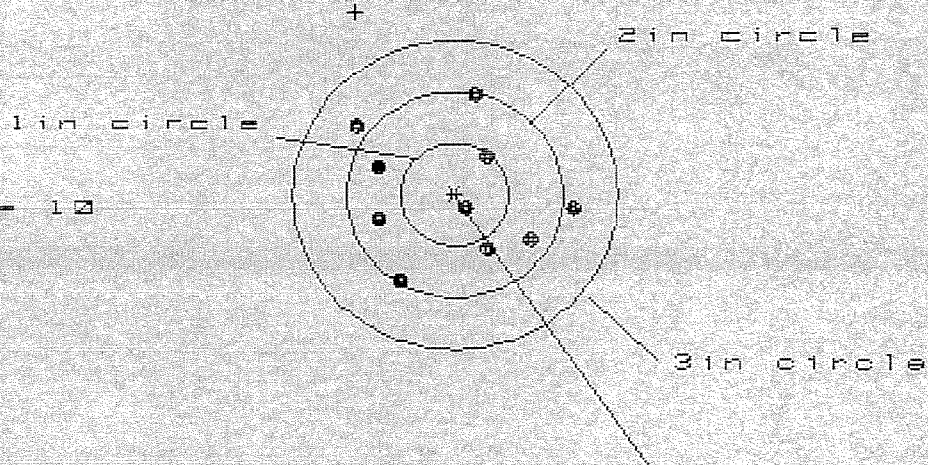
14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522234

CENTERFIRE PATTERNS

2

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.041

VS= 1.848

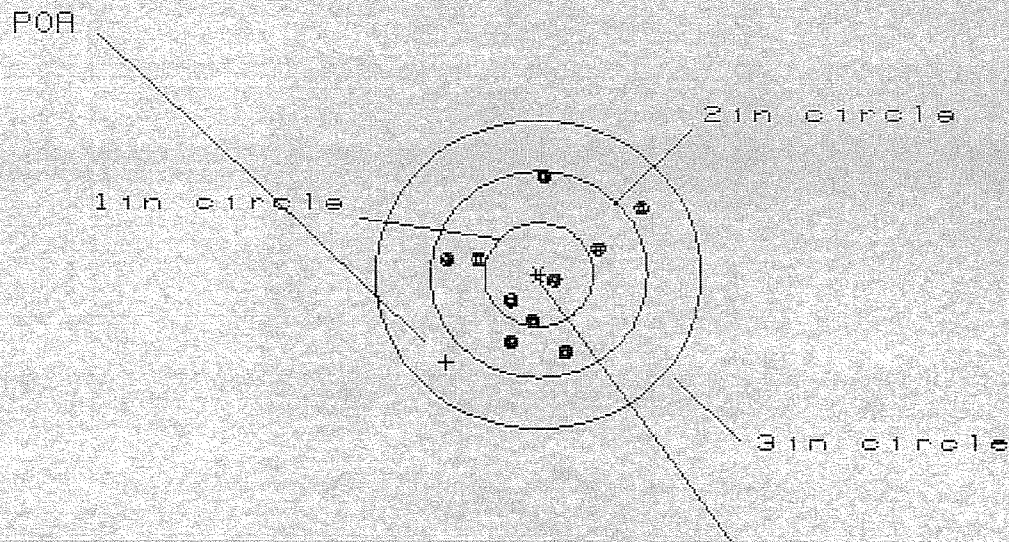
GS= 2.203

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.138	.791	.694
MINIMUM X	:	-.903	-.776	-.665
MAXIMUM Y	:	.987	.968	1.048
MINIMUM Y	:	-.861	-.880	-.800
CENTROID X	:	.907	.780	.877
CENTROID Y	:	-1.772	-1.753	-1.833
POA TO CENTROID in.	:	1.991	1.919	2.032
MIN RADIUS	:	.195	.308	.184
MEAN RADIUS	:	.779	.741	.687
MAX RADIUS	:	1.151	1.017	1.070
HORIZONTAL SPREAD	:	2.041	1.567	1.359
VERTICAL SPREAD	:	1.848	1.848	1.848
EXTREME SPREAD	:	2.203	1.958	1.958
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522234

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.745

VS= 1.742

GS= 1.817

CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.903	.691	.709
MINIMUM X	-.842	-.742	-.724
MAXIMUM Y	.957	1.032	.455
MINIMUM Y	-.785	-.710	-.581
CENTROID X	.855	.755	.737
CENTROID Y	.850	.775	.646
POA TO CENTROID in.	1.206	1.082	.980
MIN RADIUS	.151	.223	.128
MEAN RADIUS	.664	.594	.509
MAX RADIUS	1.124	1.041	.842
HORIZONTAL SPREAD	1.745	1.433	1.433
VERTICAL SPREAD	1.742	1.742	1.036
EXTREME SPREAD	1.817	1.754	1.439
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	9	
NUMBER IN THREE INCH CIRCLE	=	10	

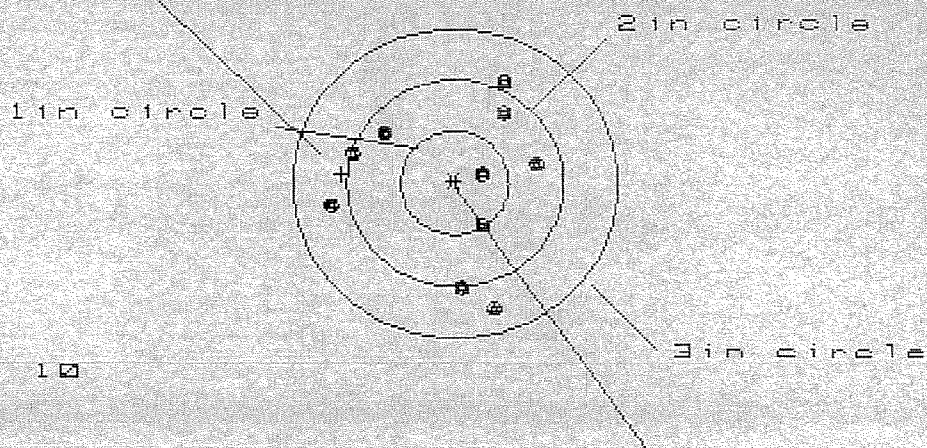
14 Aug 1998

FILE: \PATTERNING\CENTERFIRE_PATT\08522234

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.856

VS= 2.201

CS= 2.203

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.751	.788	.654
MINIMUM X	:	-1.105	-1.068	-1.010
MAXIMUM Y	:	1.016	.885	.841
MINIMUM Y	:	-1.185	-1.126	-1.170
CENTROID X	:	1.046	1.009	1.143
CENTROID Y	:	-.087	.044	.088
POA TO CENTROID in.	:	1.050	1.010	1.146
MIN RADIUS	:	.249	.287	.184
MEAN RADIUS	:	.856	.810	.743
MAX RADIUS	:	1.230	1.134	1.170
HORIZONTAL SPREAD	:	1.856	1.856	1.664
VERTICAL SPREAD	:	2.201	2.011	2.011
EXTREME SPREAD	:	2.203	2.038	2.038
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Aug 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C6522234

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 9

US= 1.513

VS= 2.476

GS= 2.517

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.792	.830	.616
MINIMUM X	-.721	-.683	-.579
MAXIMUM Y	.959	.791	.293
MINIMUM Y	-1.517	-.414	-.316
CENTROID X	1.517	1.479	1.375
CENTROID Y	-.218	-.050	-.148
POA TO CENTROID in.	1.533	1.480	1.383
MIN RADIUS	.262	.339	.324
MEAN RADIUS	.670	.571	.480
MAX RADIUS	1.555	1.146	.666
HORIZONTAL SPREAD	1.513	1.513	1.195
VERTICAL SPREAD	2.476	1.205	.609
EXTREME SPREAD	2.517	1.681	1.264
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	9	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 06522734

DATE 9-14-90

TESTER JFL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.32	2.25	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.28	2.28	2.12	
PULL #3	2.36	2.35	2.23	2.15	
PULL #4	2.34	2.36	2.21	2.10	
PULL #5	2.33	2.37	2.28	2.50	
TOTAL	11.83	11.68	11.25	11.37	
AVG.	2.366	2.336	2.25	2.274	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.43		
PULL #2	3.35	3.42		
PULL #3	3.20	3.35		
PULL #4	3.44	3.39		
PULL #5	3.35	3.50		
TOTAL	16.61	17.09		
AVG.	3.322	3.418		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.14		4.19
PULL #2	4.18	4.17		4.24
PULL #3	4.24	4.14		4.35
PULL #4	4.20	4.18		4.21
PULL #5	4.09	4.20		4.30
TOTAL	20.85	20.83		21.29
AVG.	4.17	4.166		4.258

MOD.		GA. CAL.	GUN #
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Bolt Release Lock B-ticks Bolt come out TIGHT magies Box	
	2nd	FIXED BOLT REL Rep'd MAG BOX	8/14 KS
	3rd		
	4th		

FUNCTION RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522234

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/90	KJ
600	Proof		6/27/90	KJ
607	Check Headspace		6/27/90	KJ
610	Dis-assemble Gun		6/27/90	KJ
612	Magnaflux Barrel Action		7/10/90	K.R.
	Magnaflux Bolt		7/10/90	K.R.
615	Rollmark Caliber		7/10/90	G.S.
617	Drill and Tap Sight Holes		7/11/90	W.B.
618	Polish Barrel RB		7/13/90	F.B.
620	Apply Coatings (Barrel Action)		7-23-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/10/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/10/90	KS
	C) Inspect Ejector Hole for Chamfer		8/10/90	KS
	D) Oil Firing Pin Ass'y		8/14/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-14-90	JU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/7/90	JL
	G) Safety Off Force	3	3	3			8/7/90	JL
	H) Trigger Pull Test & Retainability						9-14-90	JL
	I) Firing Pin Indent	.0235	.0235	.0235			8/7/90	JL
	J) Assemble Stock						8/13/90	KS
	K) Assemble Swivel Studs						9/14/90	JL
	L) Attach Front and Rear Sight Assemblies						8/13/90	KS
	M) Iron Sight Alignment						8/13/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/13/90	KS
	O) Attach Scope to Rifle						8/13/90	KS
	P) Detach & Attach Scope 20 Times						8/13/90	KS
640	Gallery Target & Test						8-14-90	KJ
	A) Time						8-14-90	KJ
	B) Malfunctions						8-14-90	KJ
	C) Pierced Primers						8-14-90	KJ
	D) Optical Clarity of Scope						8-14-90	KJ
645	Inspect for Live Ammo						8-14-90	KJ
655	Final Inspection							
	A) Headspace						9/14/90	JL
	B) Trigger Pull	2.50	2.12	2.15	2.10	2.50	9-14-90	JL
	C) Function						9/14/90	JL
660	Pack						9-18-90	JL