

06594533

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 38557			
SERIAL NUMBER C60594533			
LOG-IN DATE 1-2-02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	OK
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE	1-4-02	AC
600	PROOF	1-4-02	AC
605	CHECK HEADSPACE	1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR AC	
615	ROLLMARK CALIBER	1-7-02	B
618	ROTO-BLAST	1/7	KO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1-9-02	RR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-9-02	RR
655	FINAL INSPECT	1-11-02	RR
660	PACK	1-11-02	RR
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594533.___0
FILE DATE AND TIME: 01/10/2002 02:35

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.082
The Average Y Centroid of the Five Target Set:	0.084
The Average Point of Impact of the Five Target Set:	0.118
The Average Mean Radius of the Five Target Set:	0.569
The Distance from POA to Centroid Target #1:	0.045
The Distance from Centroid Target #2 to Centroid Target #1:	0.390
The Distance from Centroid Target #3 to Centroid Target #1:	0.367
The Distance from Centroid Target #4 to Centroid Target #1:	0.137
The Distance from Centroid Target #5 to Centroid Target #1:	0.161

SERIAL NUMBER: C6594533. 0

TARGET NUMBER: 1

FILE DATE: 01/10/2002

FILE TIME: 02:35

X CENTROID: 0.043

Y CENTROID: -0.014

POA TO CENTROID: 0.045

HORZ SPREAD: 1.586

VERT SPREAD: 1.594

GROUP SPREAD: 1.750

MIN RADIUS: 0.333

MAX RADIUS: 1.178

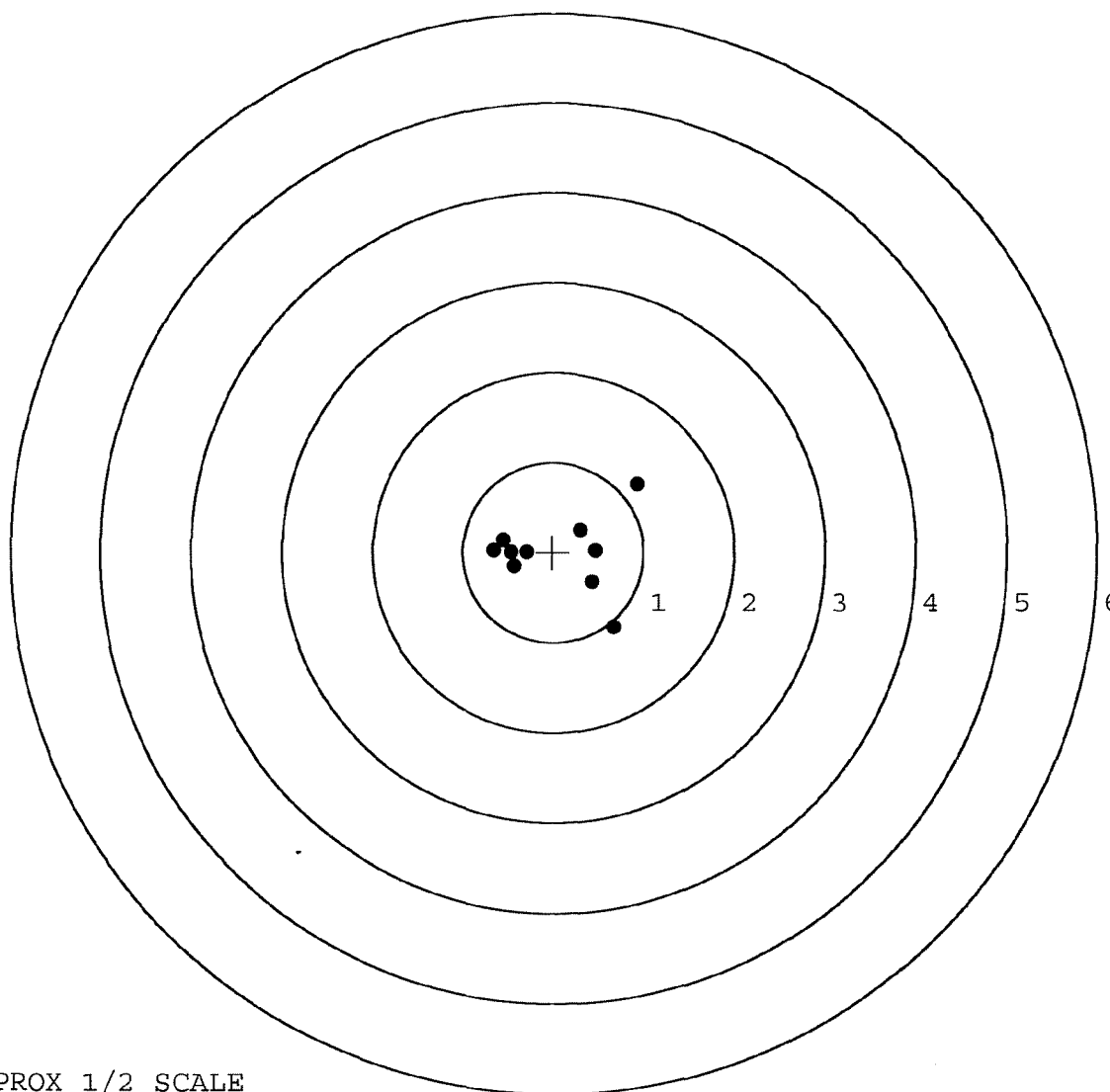
MEAN RADIUS: 0.617

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.930	0.761
2:	0.478	0.022
3:	0.302	0.249
4:	0.437	-0.333
5:	0.672	-0.833
6:	-0.433	-0.157
7:	-0.656	0.022
8:	-0.548	0.134
9:	-0.290	-0.005
10:	-0.465	0.001



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594533. 0

TARGET NUMBER: 2

FILE DATE: 01/10/2002

FILE TIME: 02:35

X CENTROID: -0.254

Y CENTROID: 0.240

POA TO CENTROID: 0.349

HORZ SPREAD: 1.875

VERT SPREAD: 1.674

GROUP SPREAD: 2.307

MIN RADIUS: 0.166

MAX RADIUS: 1.627

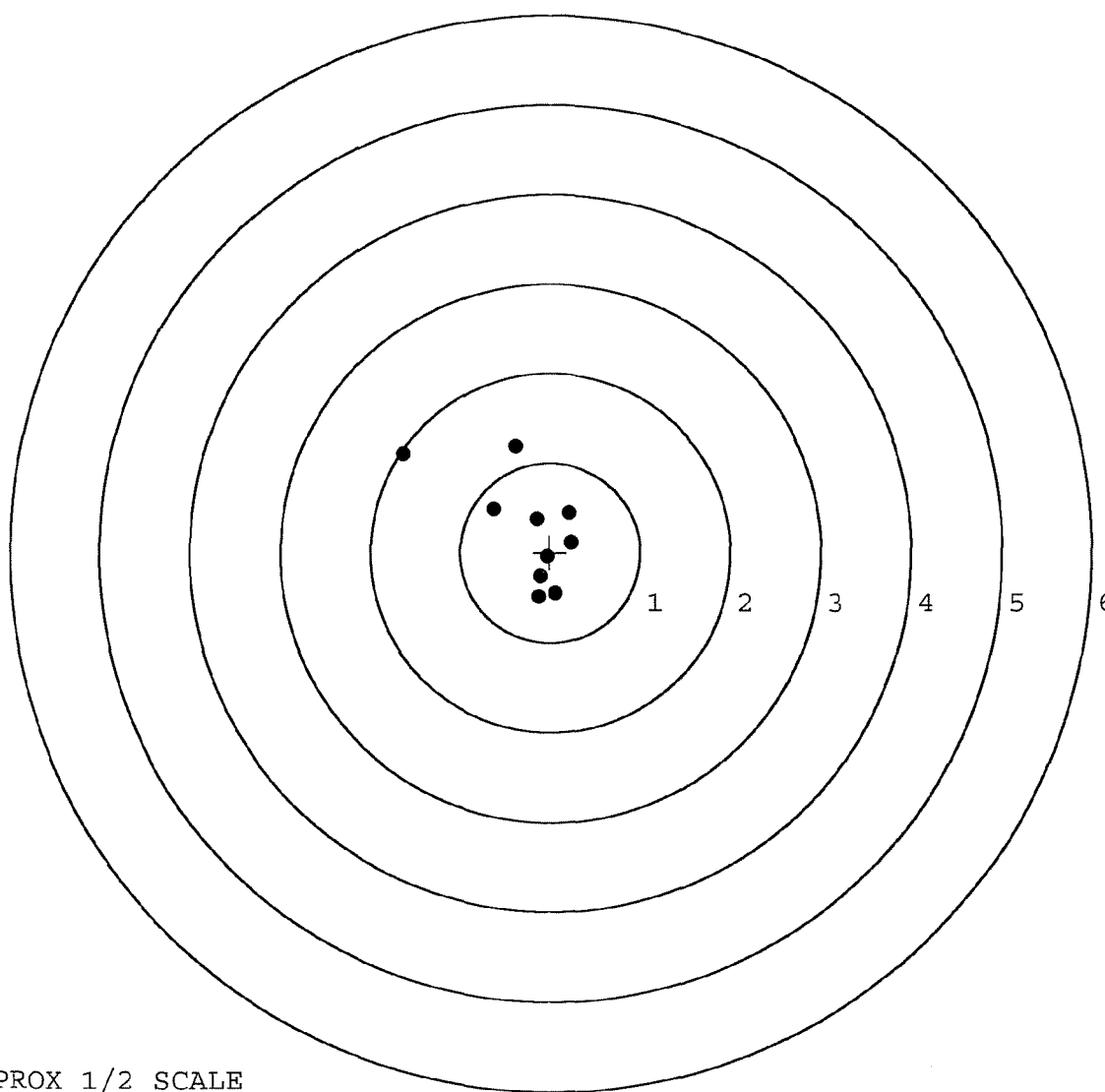
MEAN RADIUS: 0.662

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.380	1.180
2:	-1.636	1.098
3:	-0.628	0.480
4:	0.220	0.444
5:	-0.149	0.369
6:	0.239	0.108
7:	0.066	-0.460
8:	-0.128	-0.494
9:	-0.111	-0.272
10:	-0.029	-0.050



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594533. 0

TARGET NUMBER: 3

FILE DATE: 01/10/2002

FILE TIME: 02:35

X CENTROID: -0.263

Y CENTROID: 0.190

POA TO CENTROID: 0.324

HORZ SPREAD: 2.290

VERT SPREAD: 2.271

GROUP SPREAD: 3.109

MIN RADIUS: 0.192

MAX RADIUS: 1.673

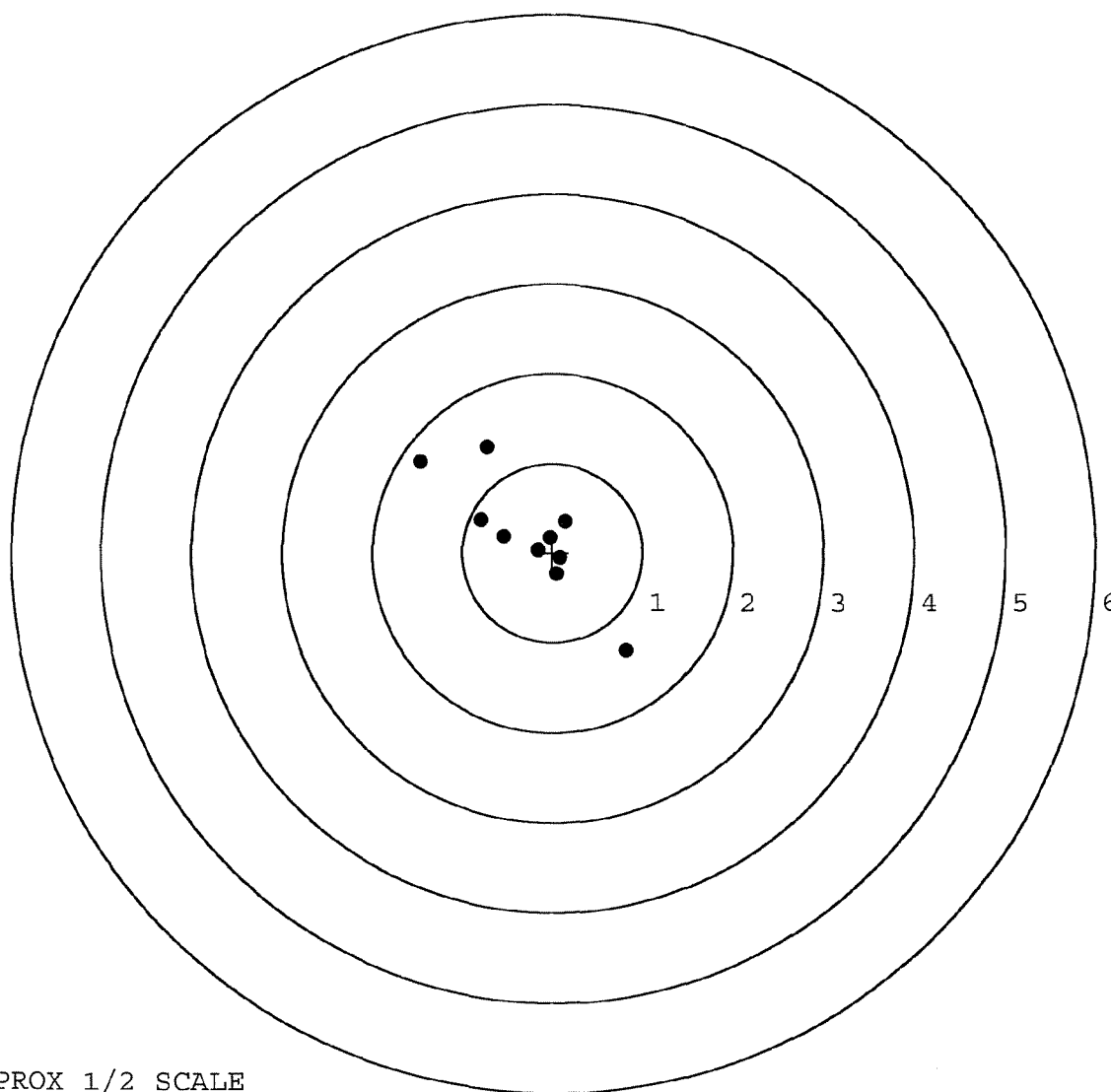
MEAN RADIUS: 0.692

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.731	1.182
2:	-1.473	1.014
3:	-0.797	0.370
4:	-0.542	0.183
5:	0.144	0.349
6:	0.817	-1.089
7:	0.050	-0.246
8:	0.091	-0.066
9:	-0.160	0.027
10:	-0.026	0.172



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594533. __0

TARGET NUMBER: 4

FILE DATE: 01/10/2002

FILE TIME: 02:35

X CENTROID: -0.016

Y CENTROID: -0.138

POA TO CENTROID: 0.139

HORZ SPREAD: 1.327

VERT SPREAD: 1.013

GROUP SPREAD: 1.530

MIN RADIUS: 0.052

MAX RADIUS: 0.942

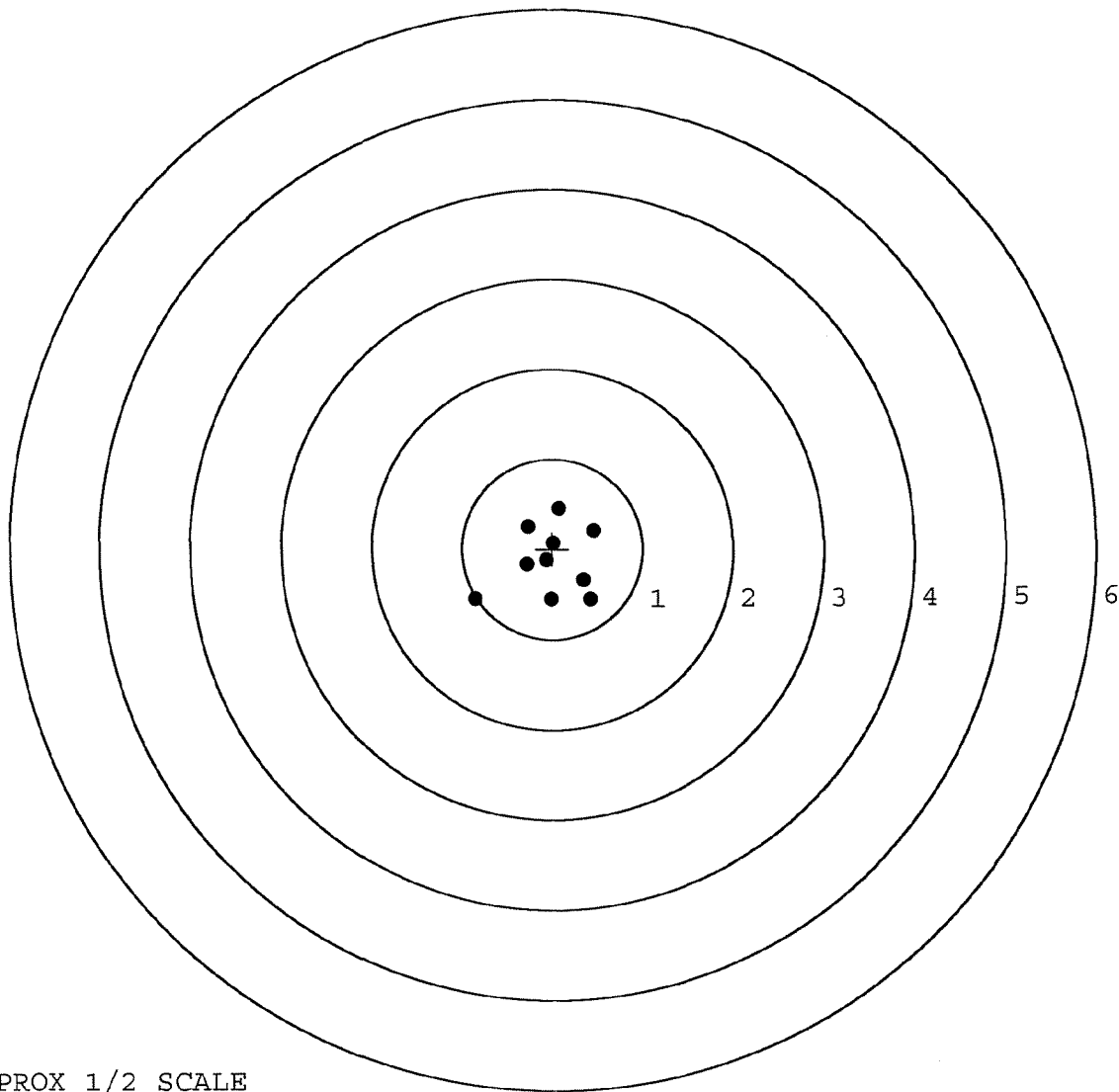
MEAN RADIUS: 0.457

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.859	-0.558
2:	0.468	0.203
3:	0.086	0.448
4:	-0.265	0.240
5:	-0.283	-0.174
6:	-0.014	-0.565
7:	0.423	-0.563
8:	0.347	-0.351
9:	-0.067	-0.129
10:	0.007	0.066

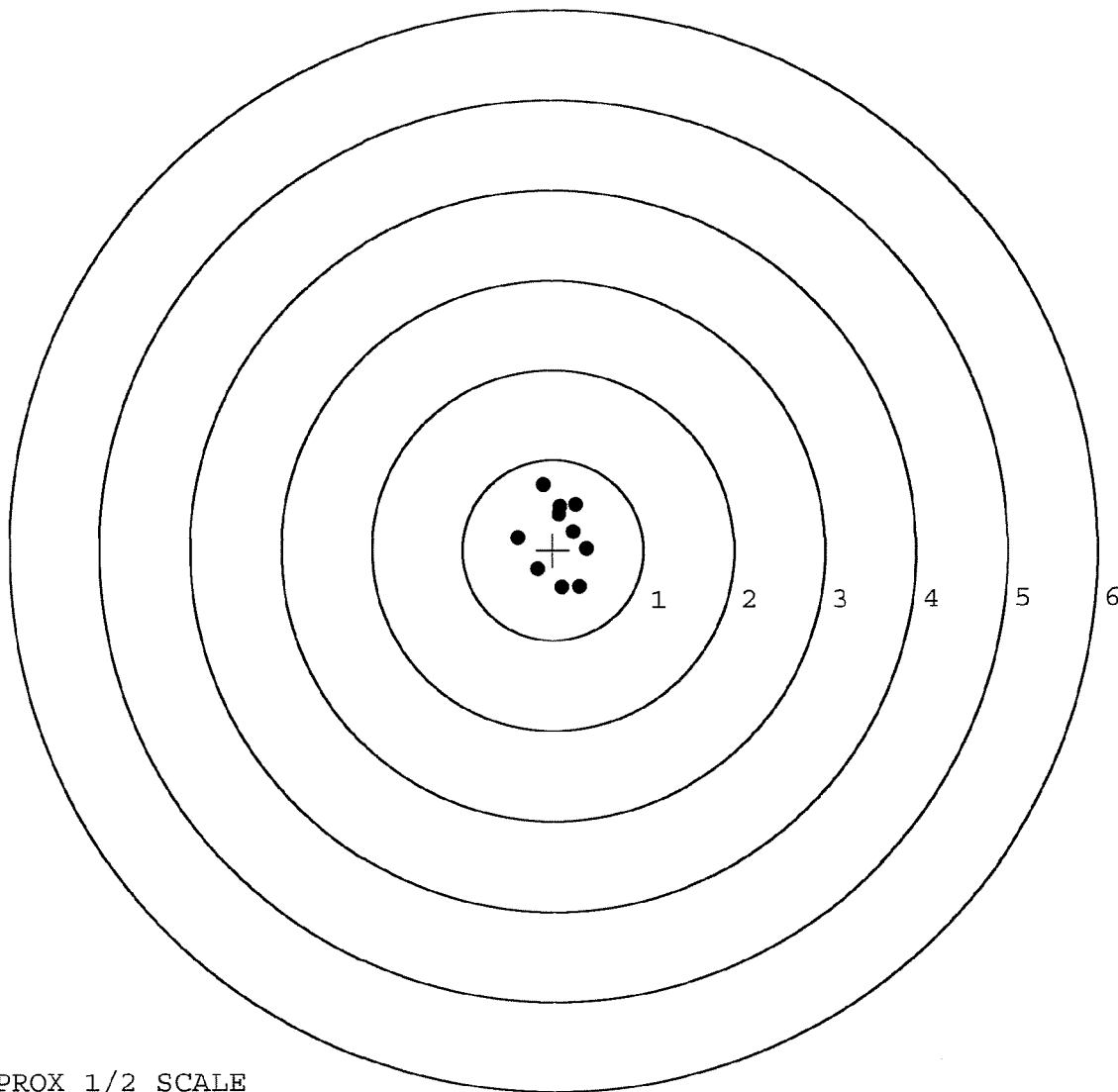


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594533. __0
TARGET NUMBER: 5
FILE DATE: 01/10/2002
FILE TIME: 02:35

X CENTROID: 0.077
Y CENTROID: 0.143
POA TO CENTROID: 0.163
HORZ SPREAD: 0.769
VERT SPREAD: 1.142
GROUP SPREAD: 1.203
MIN RADIUS: 0.170
MAX RADIUS: 0.608
MEAN RADIUS: 0.417
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.100	0.725
2:	0.263	0.504
3:	0.074	0.397
4:	0.376	0.017
5:	0.297	-0.411
6:	0.104	-0.417
7:	-0.171	-0.214
8:	-0.393	0.139
9:	0.235	0.206
10:	0.088	0.484



TARGET APPROX 1/2 SCALE




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

MODEL 700™ H24

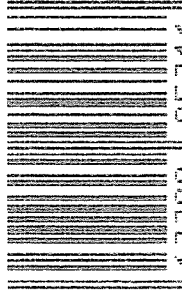
20

SERIAL NO.
C6594533

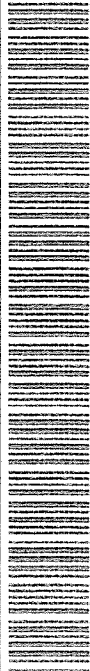
ORDER NO.
5716

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

LPC



0 42700 25716 2



5716 C6594533

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594533

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LG
617	Drill and Tap Sight Holes	1 10	91	LB
618	Polish Barrel	1 10	91	WB
620	Apply Coatings (Barrel Action)		1-18-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/23/91	GM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			1/28/91	WLB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			1/28/91	WLB
	H) Trigger Pull Test & Retainability						1/28/91	JL
	I) Firing Pin Indent	.021	.0205	.0205			1/28/91	WLB
	J) Assemble Stock						1/29/91	RW
	K) Assemble Swivel Studs						2-4-91	RW
	L) Attach Front and Rear Sight Assemblies						1/29/91	RW
	M) Iron Sight Alignment						1/28/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/28/91	RW
	O) Attach Scope to Rifle						1/28/91	RW
	P) Detach & Attach Scope 20 Times						1/28/91	RW
640	Gallery Target & Test						1-27-91	DH
	A) Time						1-29-91	DH
	B) Malfunctions						1-29-91	DH
	C) Pierced Primers						1-29-91	DH
	D) Optical Clarity of Scope						1-27-91	DH
645	Inspect for Live Ammo						1-29-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	RW
	B) Trigger Pull	2.24	2.49	2.50	2.38	2.51	2-1-91	JL
	C) Function						2-4-91	RW
660	Pack						3/15/91	WLB

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594533

DATE 1/28/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.32	2.16	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.19	2.39	2.49	
PULL #3	2.39	2.21	2.25	2.50	
PULL #4	2.24	2.25	2.24	2.38	
PULL #5	2.33	2.24	2.34	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.33		
PULL #2	3.50	3.54		
PULL #3	3.23	3.33		
PULL #4	3.59	3.19		
PULL #5	3.50	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.35		4.45
PULL #2	4.32	4.29		4.27
PULL #3	4.39	4.34		4.21
PULL #4	4.27	4.32		4.16
PULL #5	4.28	4.32		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594533
29 Jan 1991

CENTROIDAL DISTANCES

Ø TO	1	.369424
1 TO	2	.0966747
1 TO	3	.35181
1 TO	4	.374386
1 TO	5	.694223

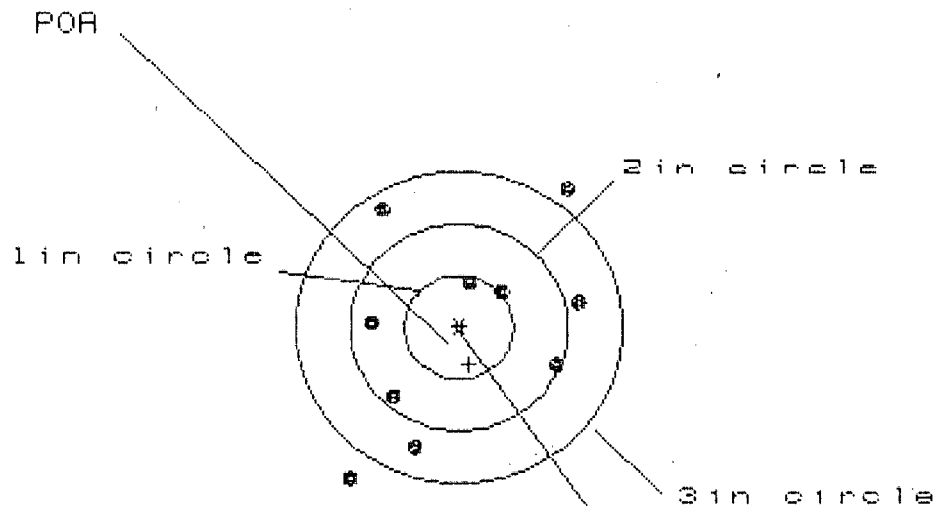
PS <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0628
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118084
THE AMR FOR THIS RIFLE IS: .9682

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594533

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.027

VS= 2.768

GS= 3.360

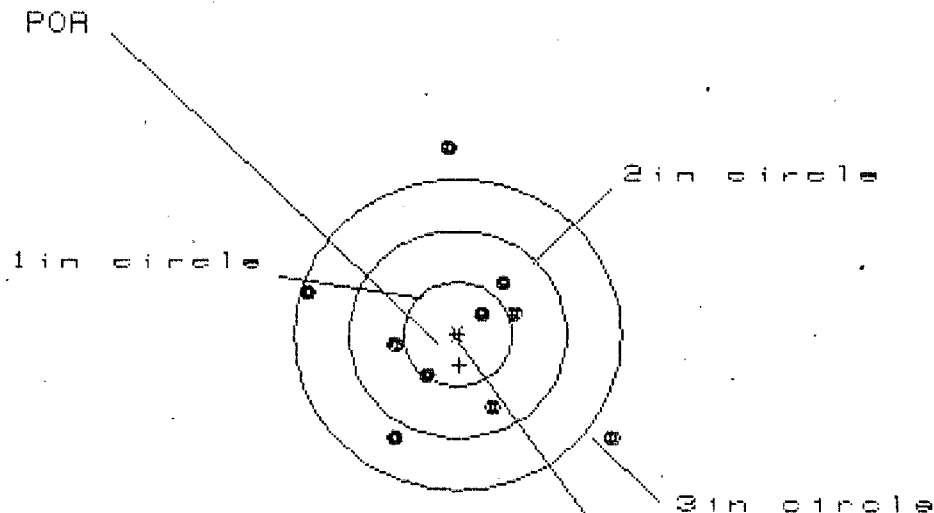
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.071	.965	1.071
MINIMUM X	-.956	-.872	-.766
MAXIMUM Y	1.351	1.193	1.140
MINIMUM Y	-1.417	-1.304	-1.155
CENTROID X	-.095	.011	-.095
CENTROID Y	.357	.515	.366
POA TO CENTROID in.	.370	.515	.378
MIN RADIUS	.487	.313	.478
MEAN RADIUS	1.061	.960	.905
MAX RADIUS	1.709	1.461	1.319
HORIZONTAL SPREAD	2.027	1.837	1.837
VERTICAL SPREAD	2.768	2.497	2.295
EXTREME SPREAD	3.360	2.847	2.308
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594533

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR .

1in = 2

2in = 6

3in = 8

HS = 2.752

VS = 2.859

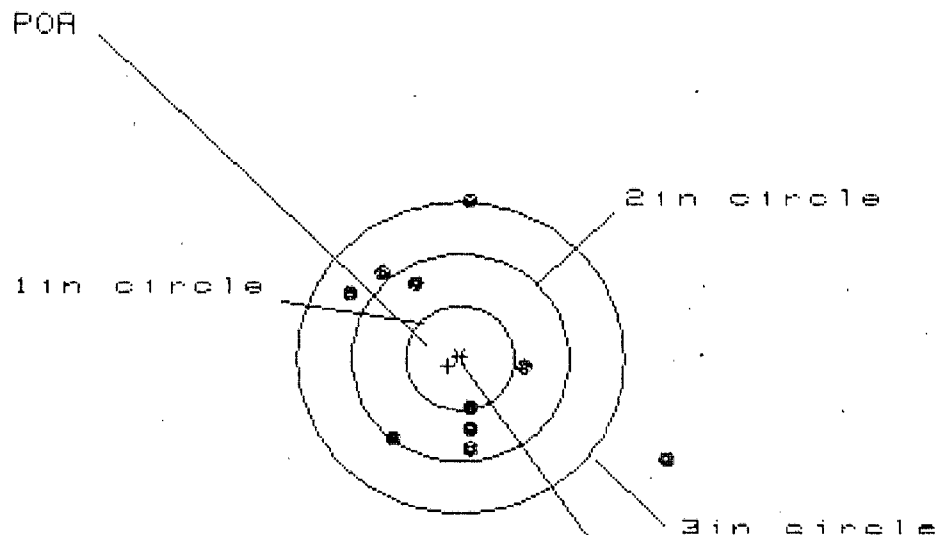
GS = 3.181

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.483	1.399	.694
MINIMUM X	:	-1.349	-1.353	-1.178
MAXIMUM Y	:	1.835	.715	.616
MINIMUM Y	:	-1.024	-.020	-.919
CENTROID X	:	-.020	-.016	-.191
CENTROID Y	:	.296	.092	.191
POA TO CENTROID in.	:	.297	.093	.270
MIN RADIUS	:	.296	.365	.310
MEAN RADIUS	:	.948	.840	.730
MAX RADIUS	:	1.836	1.608	1.294
HORIZONTAL SPREAD	:	2.752	2.752	1.872
VERTICAL SPREAD	:	2.859	1.535	1.535
EXTREME SPREAD	:	3.181	3.100	1.971
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534533

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR .

1in = 1

2in = 6

3in = 3

HS= 2.926

VS= 2.515

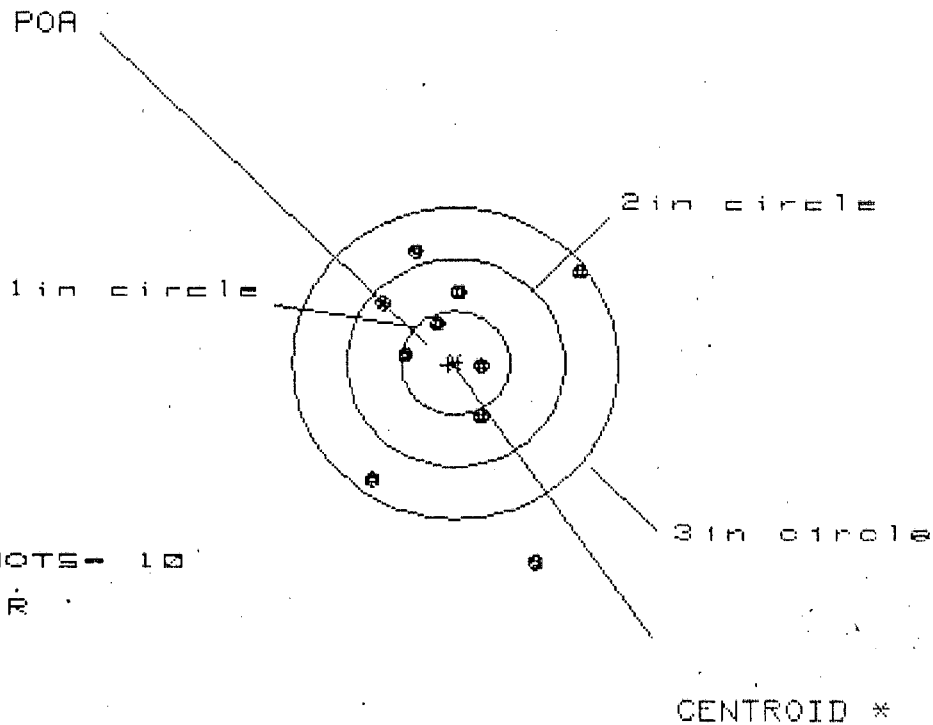
GS= 3.337

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.935	.769	.804
MINIMUM X	-.991	-.775	-.740
MAXIMUM Y	1.573	1.469	.935
MINIMUM Y	-.942	-.989	-.806
CENTROID X	.114	-.102	-.137
CENTROID Y	.074	.178	-.005
POA TO CENTROID in.	.135	.205	.137
MIN RADIUS	.492	.656	.518
MEAN RADIUS	1.046	.917	.817
MAX RADIUS	2.152	1.496	1.047
HORIZONTAL SPREAD	2.926	1.544	1.544
VERTICAL SPREAD	2.515	2.458	1.741
EXTREME SPREAD	3.337	2.458	1.889
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594533

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 1.895

VS= 2.951

GS= 3.139

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.154	1.235	.480
MINIMUM X	:	-.741	-.660	-.506
MAXIMUM Y	:	1.050	.839	.917
MINIMUM Y	:	-1.901	-1.320	-1.242
CENTROID X	:	.066	-.015	-.169
CENTROID Y	:	.019	.230	.152
POA TO CENTROID in.	:	.068	.230	.227
MIN RADIUS	:	.245	.234	.216
MEAN RADIUS	:	.917	.747	.661
MAX RADIUS	:	2.035	1.476	1.341
HORIZONTAL SPREAD	:	1.895	1.895	.986
VERTICAL SPREAD	:	2.951	2.159	2.159
EXTREME SPREAD	:	3.139	2.714	2.195
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	9		

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594533

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.209

VS= 2.393

GS= 2.874

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.072

.945

.862

MINIMUM X

-1.137

-.988

-1.071

MAXIMUM Y

1.096

.952

.550

MINIMUM Y

-1.297

-1.116

-.997

CENTROID X

.249

.376

.459

CENTROID Y

-.246

-.102

-.221

POA TO CENTROID in.

.351

.389

.510

MIN RADIUS

.281

.277

.133

MEAN RADIUS

.869

.750

.691

MAX RADIUS

1.725

1.163

1.152

HORIZONTAL SPREAD

2.209

1.933

1.933

VERTICAL SPREAD

2.393

2.068

1.547

EXTREME SPREAD

2.874

2.223

2.150

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9