

CS348933

MODEL 700™ 124

Model **SWS**™

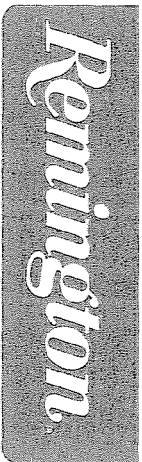
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348933.__0

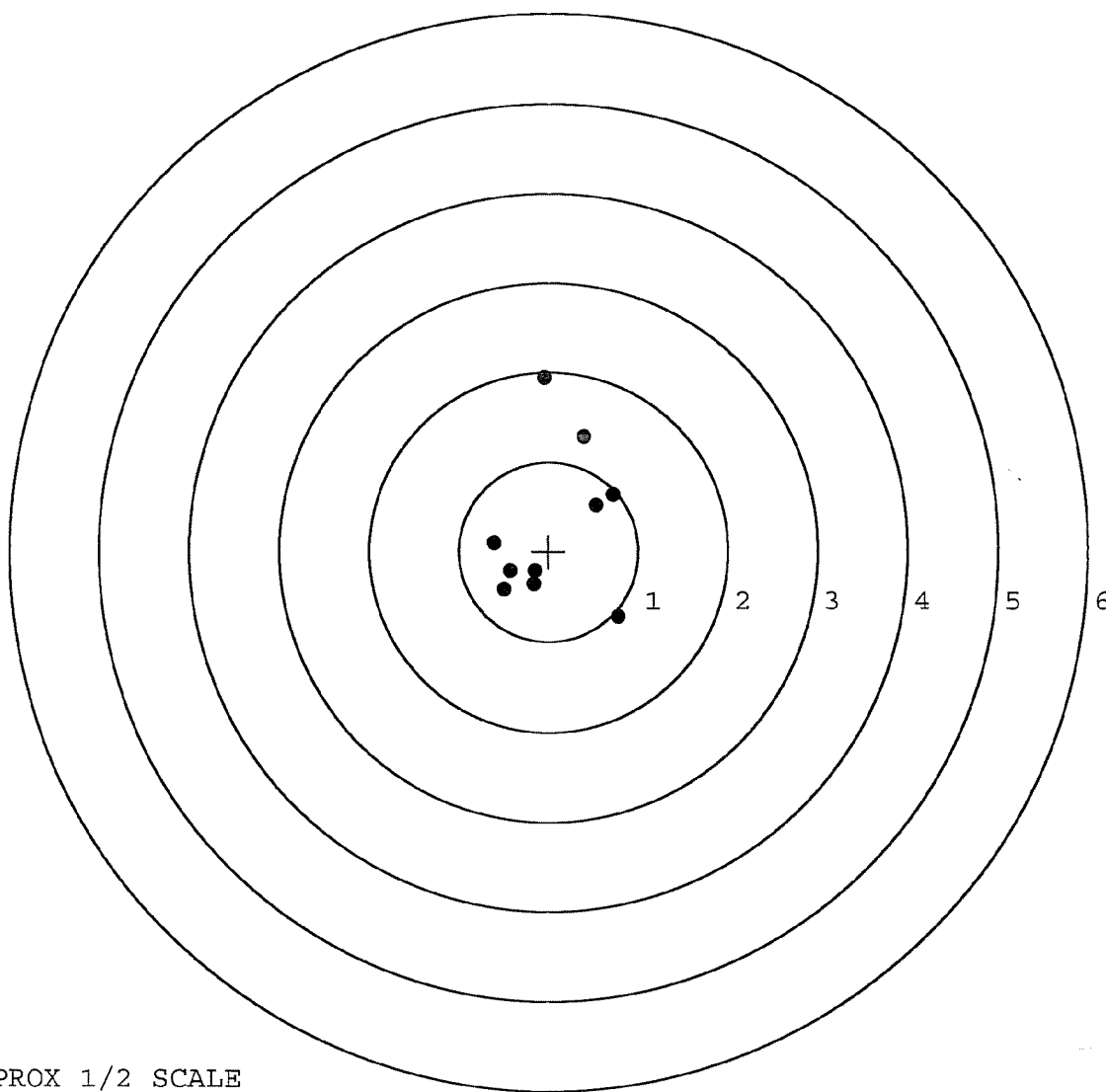
FILE DATE AND TIME: 09/20/2005 11:14

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.054
The Average Y Centroid of the Five Target Set:	0.029
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.782
The Distance from POA to Centroid Target #1:	0.254
The Distance from Centroid Target #2 to Centroid Target #1:	0.110
The Distance from Centroid Target #3 to Centroid Target #1:	0.592
The Distance from Centroid Target #4 to Centroid Target #1:	0.306
The Distance from Centroid Target #5 to Centroid Target #1:	0.320

SERIAL NUMBER: C6348933. __0
TARGET NUMBER: 1
FILE DATE: 09/20/2005
FILE TIME: 11:14

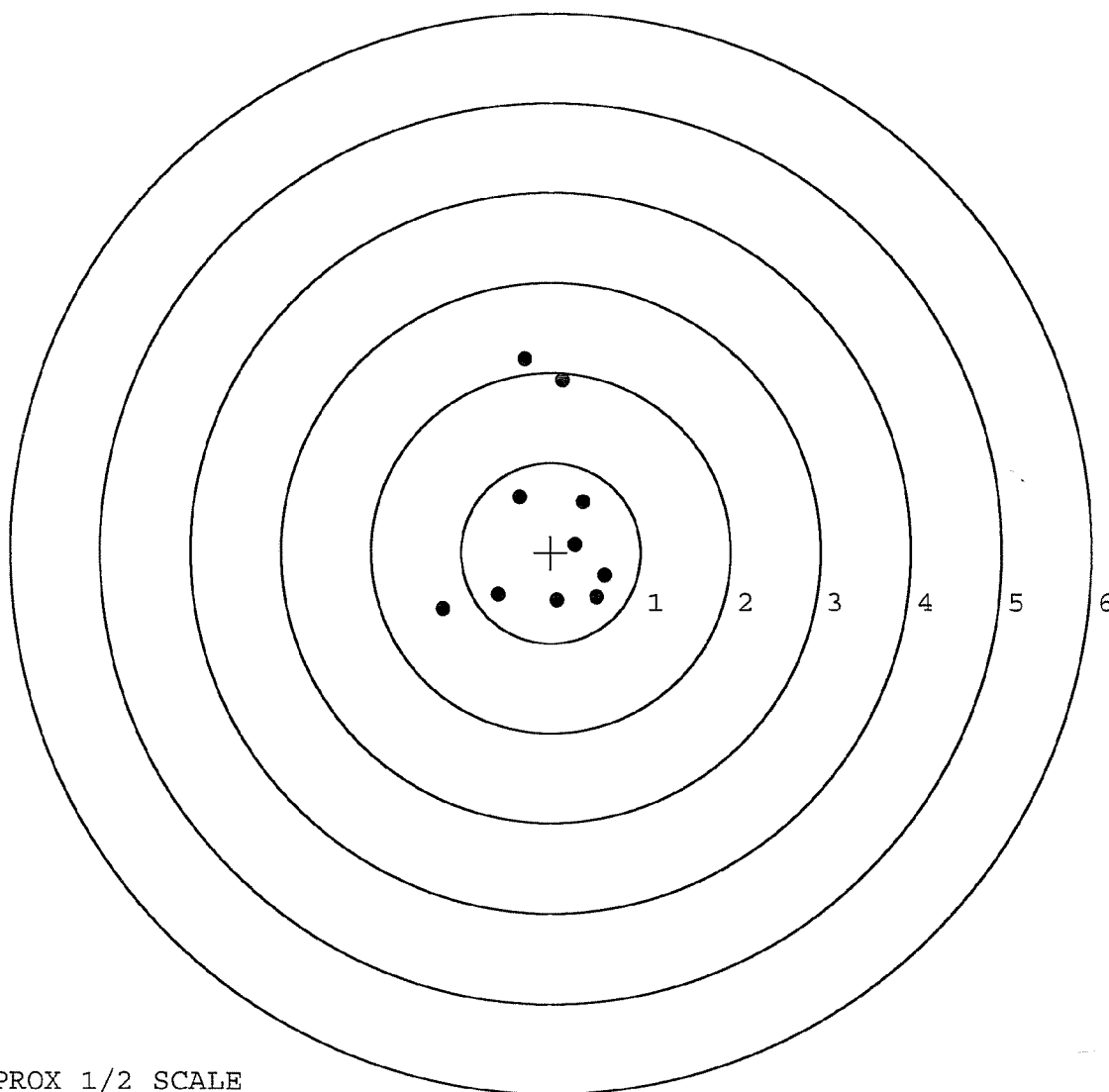
	POINT#	X	Y
	1:	0.779	-0.733
	2:	0.718	0.634
	3:	0.527	0.520
	4:	0.388	1.286
X CENTROID:	5:	-0.055	1.934
Y CENTROID:	6:	-0.155	-0.220
POA TO CENTROID:	7:	-0.172	-0.369
HORZ SPREAD:	8:	-0.494	-0.431
VERT SPREAD:	9:	-0.433	-0.224
GROUP SPREAD:	10:	-0.612	0.094
MIN RADIUS:		0.512	
MAX RADIUS:		1.688	
MEAN RADIUS:		0.872	
# IN 1 IN DIAMETER:		0	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		9	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348933. __0
TARGET NUMBER: 2
FILE DATE: 09/20/2005
FILE TIME: 11:14

	POINT#	X	Y
	1:	0.512	-0.496
	2:	0.595	-0.254
	3:	0.071	-0.528
	4:	0.271	0.091
	5:	0.358	0.560
	6:	-0.351	0.619
	7:	-0.590	-0.473
	8:	-1.202	-0.633
	9:	0.129	1.919
	10:	-0.300	2.153
X CENTROID:		-0.051	
Y CENTROID:		0.296	
POA TO CENTROID:		0.300	
HORZ SPREAD:		1.797	
VERT SPREAD:		2.786	
GROUP SPREAD:		2.928	
MIN RADIUS:		0.381	
MAX RADIUS:		1.874	
MEAN RADIUS:		0.989	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		8	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348933. __0

TARGET NUMBER: 3

FILE DATE: 09/20/2005

FILE TIME: 11:14

POINT#	X	Y
1:	1.135	-0.420
2:	0.057	-0.721
3:	-0.200	-1.317
4:	0.470	-2.039
5:	-0.468	-0.454
6:	-0.171	-0.270
7:	0.387	0.255
8:	-0.186	0.552
9:	-0.448	1.017
10:	-0.725	0.004

X CENTROID: -0.015

Y CENTROID: -0.339

POA TO CENTROID: 0.340

HORZ SPREAD: 1.860

VERT SPREAD: 3.056

GROUP SPREAD: 3.191

MIN RADIUS: 0.171

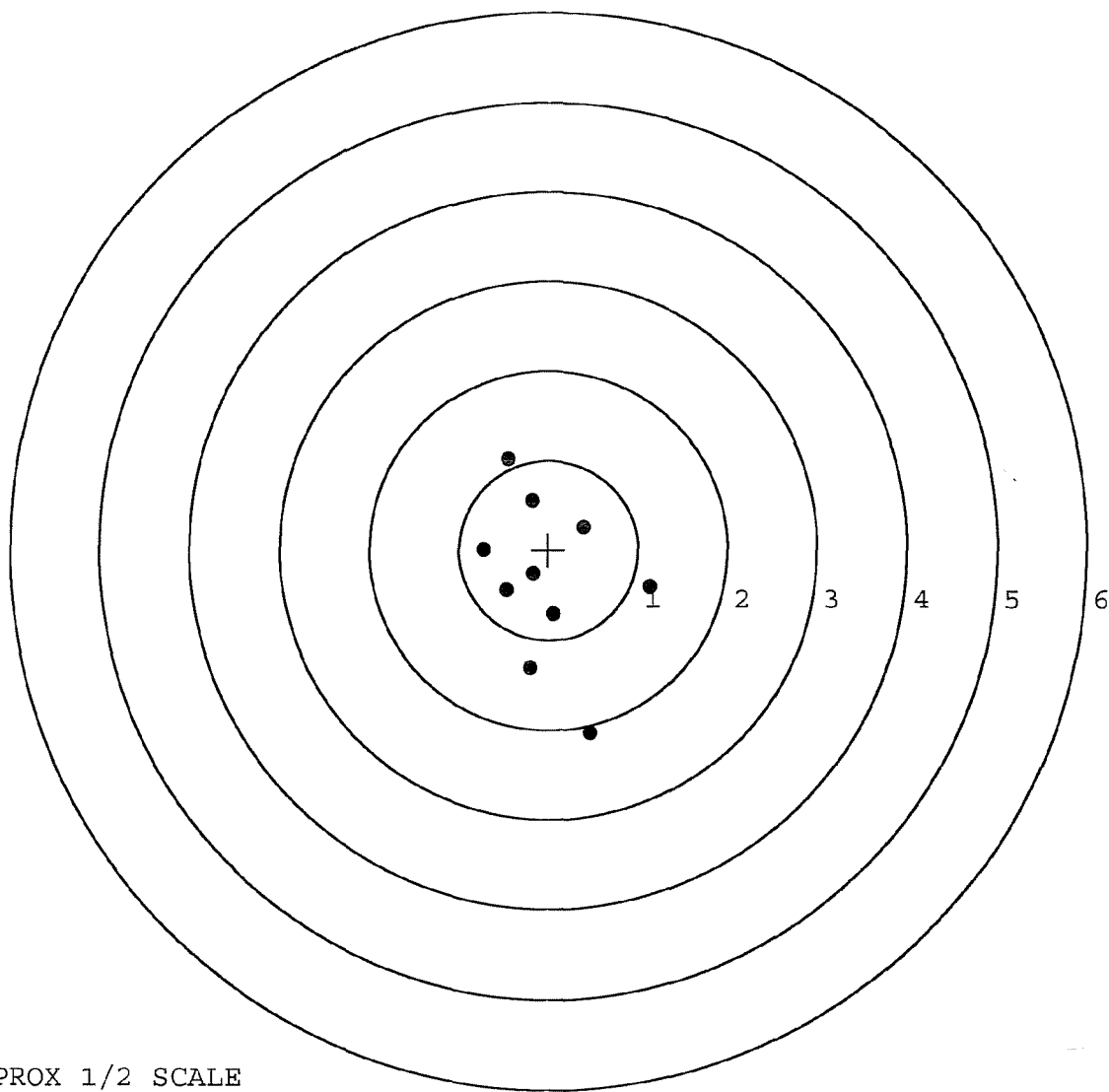
MAX RADIUS: 1.768

MEAN RADIUS: 0.878

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348933. __0

TARGET NUMBER: 4

FILE DATE: 09/20/2005

FILE TIME: 11:14

POINT#	X	Y
1:	0.943	0.325
2:	0.601	0.031
3:	0.437	-0.071
4:	0.369	-0.506
5:	0.236	-0.841
6:	-0.270	0.118
7:	-0.010	0.836
8:	-0.638	0.697
9:	0.397	0.154
10:	0.305	-0.665

X CENTROID: 0.237

Y CENTROID: 0.008

POA TO CENTROID: 0.237

HORZ SPREAD: 1.581

VERT SPREAD: 1.677

GROUP SPREAD: 1.769

MIN RADIUS: 0.215

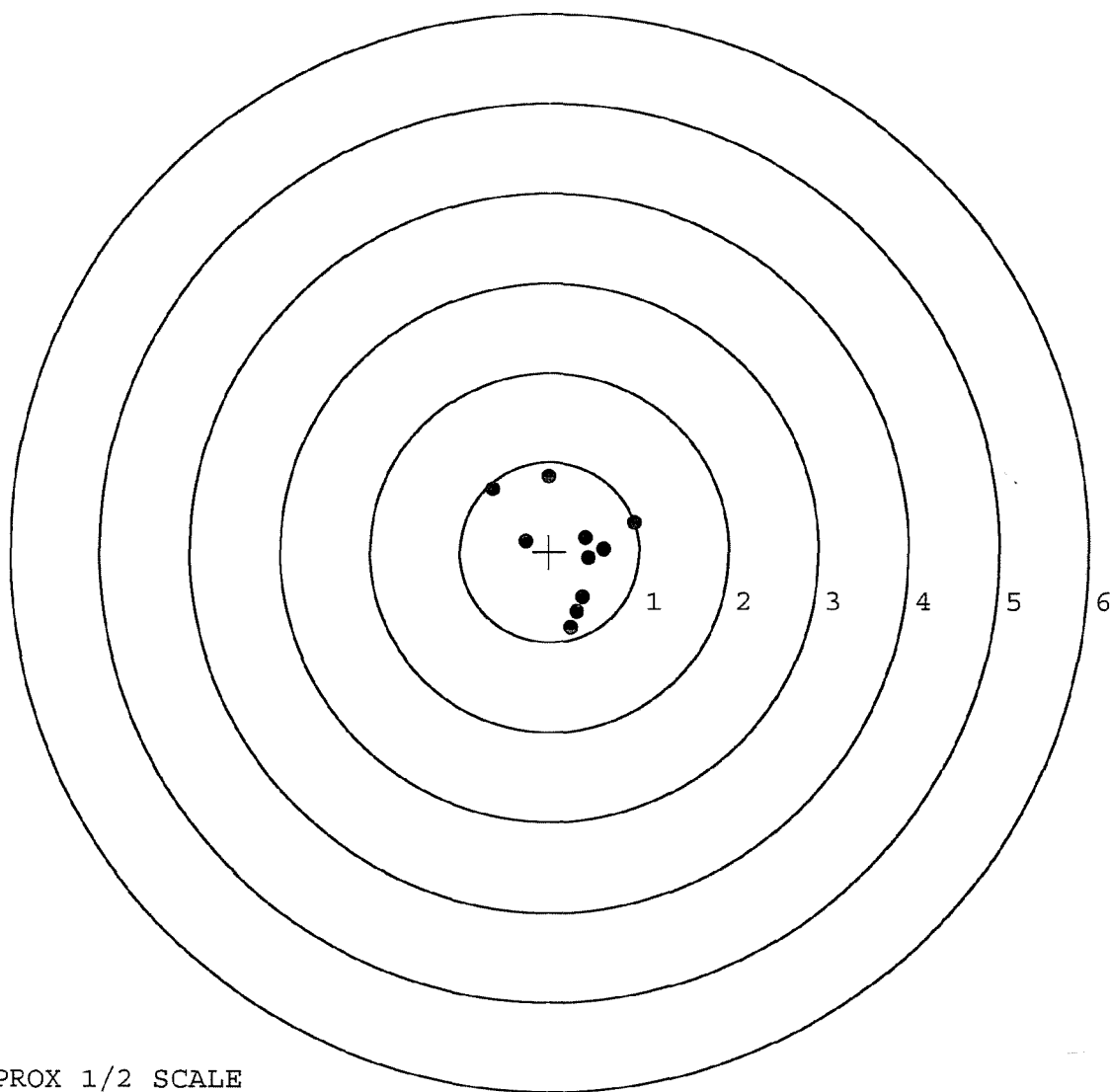
MAX RADIUS: 1.114

MEAN RADIUS: 0.612

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348933. __0

TARGET NUMBER: 5

FILE DATE: 09/20/2005

FILE TIME: 11:14

POINT#	X	Y
1:	1.183	0.110
2:	0.566	-0.652
3:	0.266	0.555
4:	0.004	0.496
5:	0.026	0.143
6:	-0.066	-0.152
7:	-0.180	-0.358
8:	-0.337	-0.566
9:	-0.422	-0.291
10:	-0.528	0.006

X CENTROID: 0.051

Y CENTROID: -0.071

POA TO CENTROID: 0.087

HORZ SPREAD: 1.711

VERT SPREAD: 1.207

GROUP SPREAD: 1.714

MIN RADIUS: 0.143

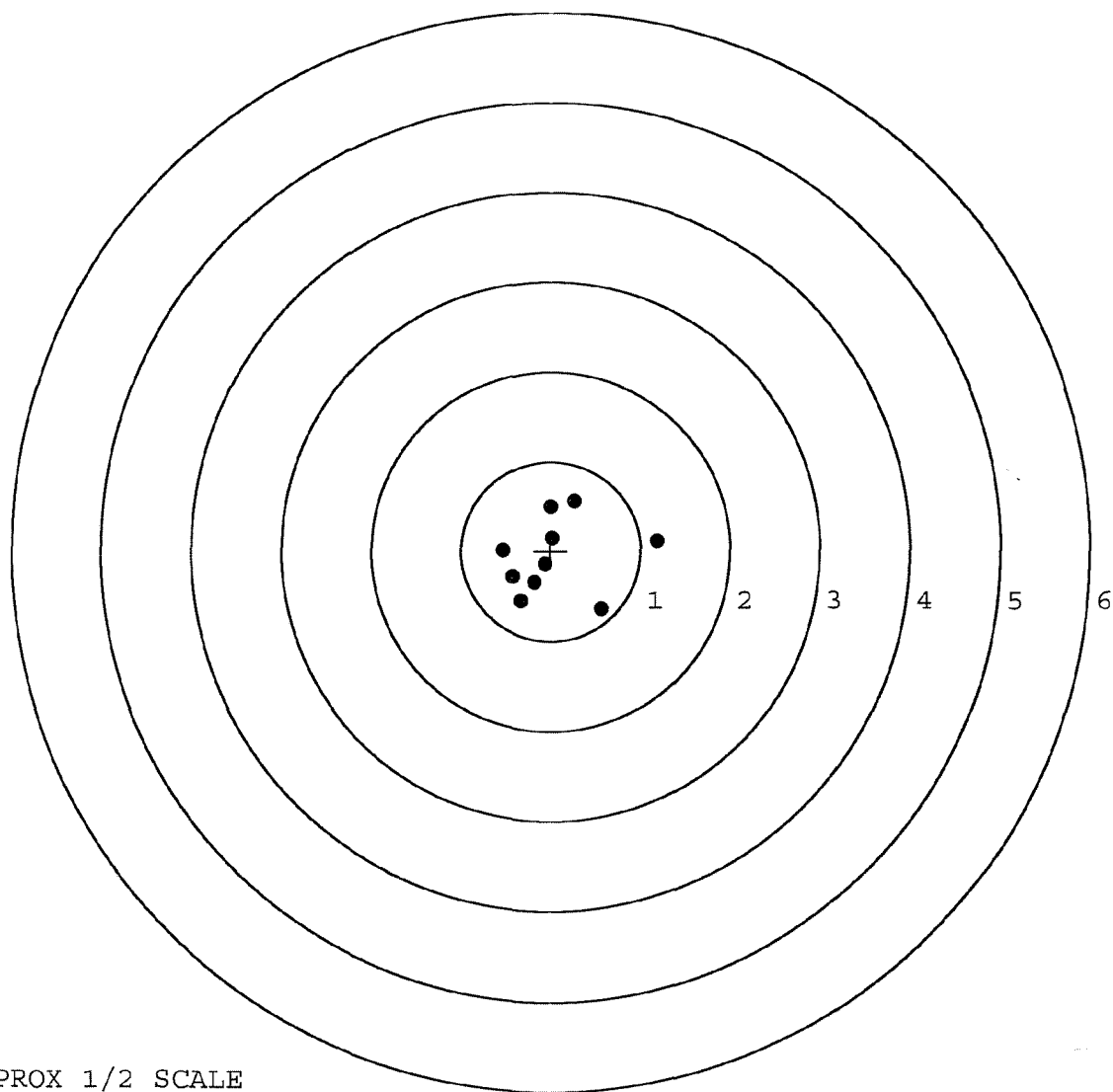
MAX RADIUS: 1.146

MEAN RADIUS: 0.561

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	99913		
SERIAL NUMBER	C6348933		
LOG-IN DATE	8-18-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-25-05	RTL
560 A	RE-BARREL	8-29-05	RTL
B	DRILL AND TAP	8-30-05	TRW
575	ASSEMBLE	8-30-05	RTL
600	PROOF	8-29-05	TRW
605	CHECK HEADSPACE	8-29-05	RTL
610	DIS-ASSEMBLE GUN	8-30-05	RTL
612	MAGNAFLUX	8-30-05	CW
615	ROLLMARK CALIBER	8-30-05	CB
618	ROTO-BLAST	8-30-05	W
620	APPLY COATINGS	9-10-05	W
625 A	FINAL ASSEMBLY	9-14-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	9-21-05	AC
D	SAFETY "OFF" FORCE	9-21-05	AC
E	FIRING PIN INDENT	9-21-05	AC
640	TARGET	9-20-05	AC
655	FINAL INSPECT	9-20-05	AC
660	PACK	9-22-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	




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

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

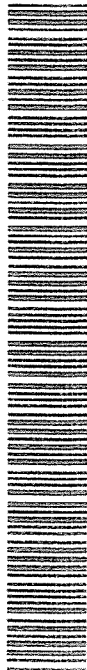
MODEL 700™ M24

MADE IN U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01

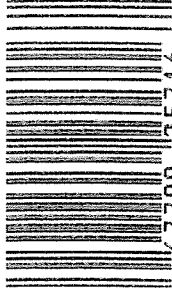
SERIAL NO. C6348933

ORDER NO. 5716



5716 C6348933

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348933

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	89	RW
600	Proof	9 26	89	RW
607	Check Headspace	9 26	89	RW
610	Dis-assemble Gun	9 26	89	RW
612	Magnaflux Barrel Action	9/29/89		KCR
	Magnaflux Bolt	9/29/89		KCR
615	Rollmark Caliber	9/29/89		SL
7	Drill and Tap Sight Holes	9 29	89	SB
618	Polish Barrel RB	9 29	89	BT
620	Apply Coatings (Barrel Action)		10/11/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/12/89	RW
	C) Inspect Ejector Hole for Chamfer		10/12/89	RW
	D) Oil Firing Pin Ass'y		10/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		23 Oct 89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10/23/89	JY
	G) Safety Off Force	3	3	3			10/23/89	JY
	H) Trigger Pull Test & Retainability						23 Oct 89	JS
	I) Firing Pin Indent	.0225	.022	.022			10/23/89	JY
	J) Assemble Stock						11/6/89	RW
	K) Assemble Swivel Studs						13 Oct 89	JS
	L) Attach Front and Rear Sight Assemblies						11/6/89	RW
	M) Iron Sight Alignment						11/6/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/6/89	RW
	O) Attach Scope to Rifle						11/4/89	JY
	P) Detach & Attach Scope 20 Times						11/4/89	JY
640	Gallery Target & Test						11-9-89	AC
	A) Time						11-9-89	AC
	B) Malfunctions						11-9-89	AC
	C) Pierced Primers						11-9-89	AC
	D) Optical Clarity of Scope						11-9-89	AC
645	Inspect for Live Ammo						11-9-89	AC
655	Final Inspection							
	A) Headspace						13 Oct 89	JS
	B) Trigger Pull	240	262	284	280	263	13 Oct 89	JS
	C) Function						13 Oct 89	JS
660	Pack						15 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06348933

DATE 3-10-98

TESTER ML

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.46	2.54	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.46	2.54	
PULL #3	2.55	2.47	2.49	
PULL #4	2.51	2.45	2.56	
PULL #5	2.50	2.48	2.56	
TOTAL	12.20	12.40	12.65	
AVG.	2.44	2.48	2.53	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.04	3.19	
PULL #2	3.34	3.28	
PULL #3	3.18	3.20	
PULL #4	3.18	3.17	
PULL #5	3.20	3.19	
TOTAL	15.94	15.98	
AVG.	3.188	3.195	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.59	4.26		4.29
PULL #2	4.39	4.28		4.25
PULL #3	4.30	4.26		4.23
PULL #4	4.27	4.24		4.17
PULL #5	4.26	4.29		4.35
TOTAL	21.81	21.33		21.29
AVG.	4.362	4.266		4.258

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348933
10 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.163478
1 TO	2	.4536
1 TO	3	.2461
1 TO	4	.329427
1 TO	5	.492715

⁴²
534 <----POA

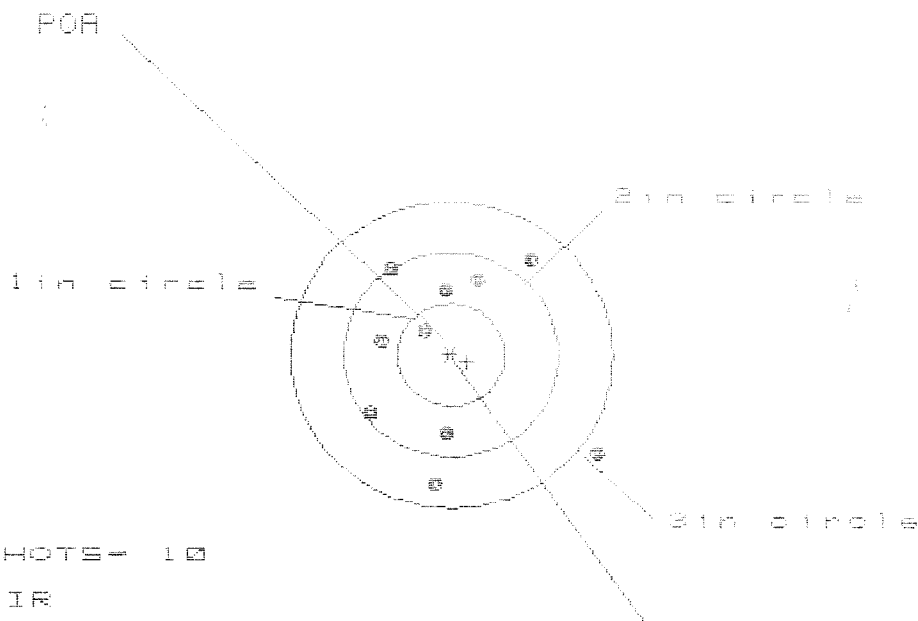
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2304
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2194
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .424422

THE AMR FOR THIS RIFLE IS: .8716

10 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08348933

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 2.099

VS= 2.176

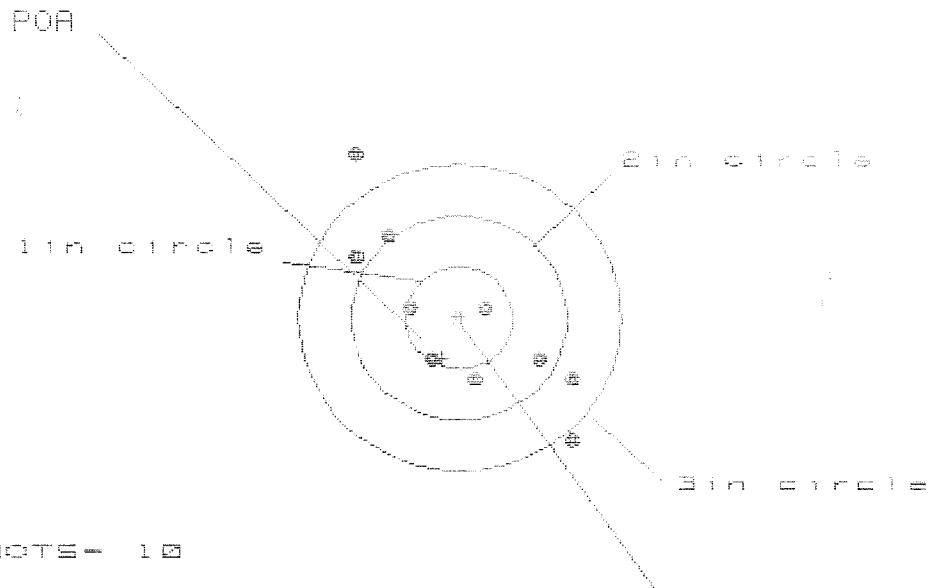
OS= 2.598

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.379	.865	.865
MINIMUM X	:	-.720	-.567	-.567
MAXIMUM Y	:	.918	.814	.644
MINIMUM Y	:	-1.258	-1.362	-.998
CENTROID X	:	-.150	-.303	-.303
CENTROID Y	:	.065	.169	.339
POA TO CENTROID in.	:	.163	.347	.455
MIN RADIUS	:	.302	.125	.083
MEAN RADIUS	:	.906	.772	.664
MAX RADIUS	:	1.667	1.362	1.078
HORIZONTAL SPREAD	:	2.099	1.432	1.432
VERTICAL SPREAD	:	2.176	2.176	1.637
EXTREME SPREAD	:	2.598	2.342	2.050
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06346933

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.061

VS= 2.779

GS= 3.406

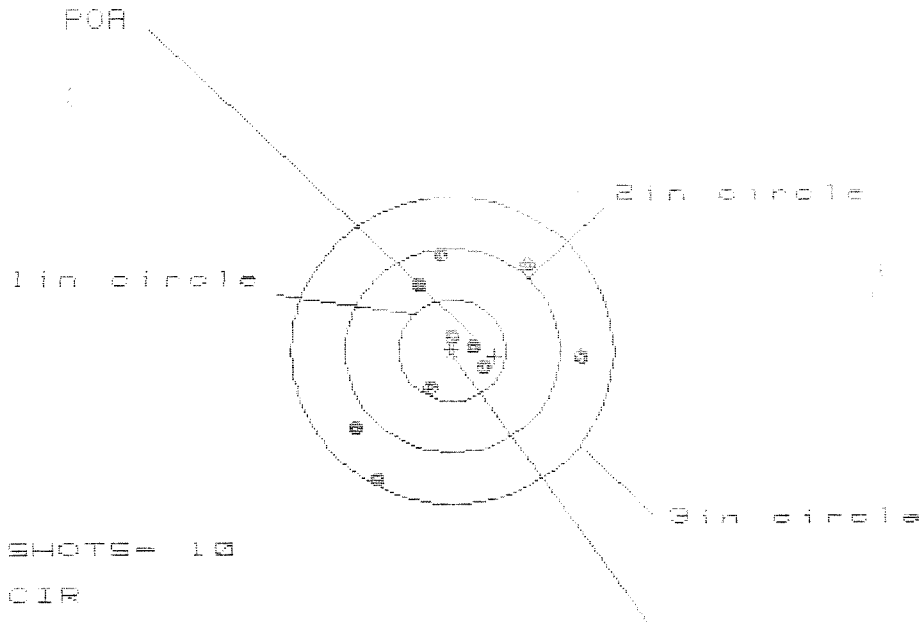
CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.086
MINIMUM X	-0.975
MAXIMUM Y	1.596
MINIMUM Y	-1.183
CENTROID X	.158
CENTROID Y	.398
POA TO CENTROID in.	.428
MIN RADIUS	.275
MEAN RADIUS	.953
MAX RADIUS	1.870
HORIZONTAL SPREAD	2.061
VERTICAL SPREAD	2.779
EXTREME SPREAD	3.406
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	8

18 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C834B333

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 10

MS= 2.091

VS= 2.181

CS= 2.519

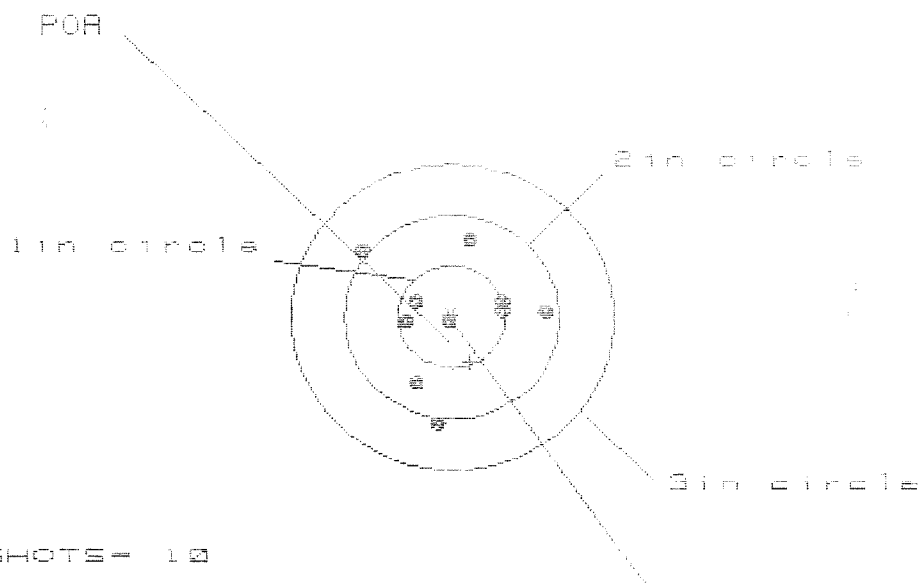
CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.162	1.078	.952
MINIMUM X	-.929	-1.013	-.545
MAXIMUM Y	.933	.794	.688
MINIMUM Y	-1.248	-.853	-.554
CENTROID X	-.396	-.312	-.196
CENTROID Y	.058	.197	.304
FOR TO CENTROID in.	.400	.369	.356
MIN RADIUS	.149	.061	.212
MEAN RADIUS	.758	.662	.597
MAX RADIUS	1.456	1.324	.993
HORIZONTAL SPREAD	2.091	2.091	1.497
VERTICAL SPREAD	2.181	1.647	1.241
EXTREME SPREAD	2.519	2.226	1.627
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348333

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HE = 1.769

VE = 1.777

CE = 1.820

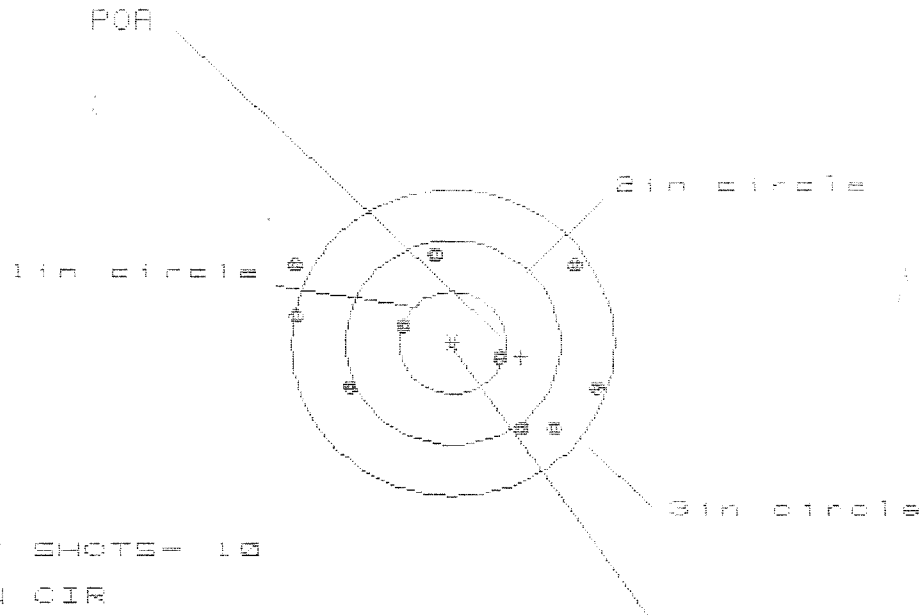
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.900	.803	.777
MINIMUM X	-.869	-.525	-.551
MAXIMUM Y	.707	.784	.660
MINIMUM Y	-1.070	-.993	-.702
CENTROID X	-.168	-.071	-.045
CENTROID Y	.444	.367	.491
POA TO CENTROID in.	.475	.374	.493
MIN RADIUS	.033	.101	.141
MEAN RADIUS	.640	.592	.525
MAX RADIUS	1.112	1.015	.829
HORIZONTAL SPREAD	1.769	1.328	1.328
VERTICAL SPREAD	1.777	1.777	1.362
EXTREME SPREAD	1.920	1.800	1.449
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

10 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08348933

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 2.751

VS= 1.730

GS= 2.977

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.311	1.151	.953
MINIMUM X	-1.440	-1.579	-1.280
MAXIMUM Y	.858	.938	.985
MINIMUM Y	-.872	-.792	-.745
CENTROID X	-.638	-.478	-.280
CENTROID Y	.133	.053	.086
POA TO CENTROID in.	.651	.480	.280
MIN RADIUS	.484	.306	.185
MEAN RADIUS	1.101	1.025	.912
MAX RADIUS	1.612	1.621	1.326
HORIZONTAL SPREAD	2.751	2.729	2.233
VERTICAL SPREAD	1.730	1.730	1.730
EXTREME SPREAD	2.977	2.818	2.400
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	

C6348934

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington