

C6611666

MODEL 760™ M24

Model **SMS**™

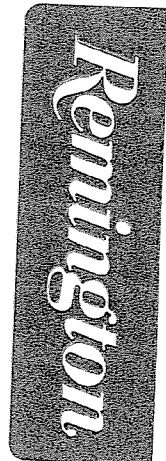
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®
RES. U.S. PAT. & TM. OFF.

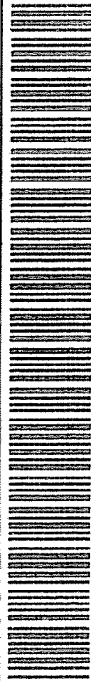
MODEL 700™ M24

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

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

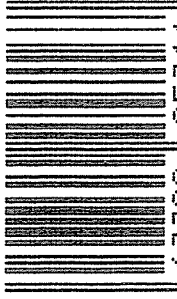
SERIAL NO.
C6611666

ORDER NO.
5716



5716 C6611666

LPC



0 47700 25716 7

INTERCHANGEABILITY

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6617666

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 25 91		RW
600	Proof	3 25 91		RW
607	Check Headspace	3 25 91		RW
610	Dis-assemble Gun	3 25 91		RW
612	Magnaflux Barrel Action	3 28 91		KR
	Magnaflux Bolt	3 28 91		KR
615	Rollmark Caliber	3 28 91		LG
617	Drill and Tap Sight Holes	APR	3 1991	LB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/16/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	RW
	C) Inspect Ejector Hole for Chamfer		4/16/91	RW
	D) Oil Firing Pin Ass'y		4/16/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/7/92	DL

op. #	BARBER - M24 0034046 OFF. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-7-91	DH
	G) Safety Off Force	3	3	3			5-7-91	DH
	H) Trigger Pull Test & Retainability						5/7/91	RU
	I) Firing Pin Indent	.020	.020	.020			5-7-91	DH
	J) Assemble Stock						5/8/91	RW
	K) Assemble Swivel Studs						5-11-91	DH
	L) Attach Front and Rear Sight Assemblies						5/8/91	RW
	M) Iron Sight Alignment						5/8/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/91	RW
	O) Attach Scope to Rifle						5/8/91	RW
	P) Detach & Attach Scope 20 Times						5/8/91	RW
640	Gallery Target & Test						5/9/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/9/91	KT
655	Final Inspection							
	A) Headspace						5-11-91	DH
	B) Trigger Pull	2.33	2.35	2.36	2.48	2.51	5/10/91	RU
	C) Function						5-11-91	DH
660	Pack						6-19-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611666

DATE 5/17/91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.19	2.44	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.32	2.42	2.35	
PULL #3	2.51	2.56	2.45	2.36	
PULL #4	2.49	2.42	2.42	2.48	
PULL #5	2.46	2.41	2.42	2.51	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.50		
PULL #2	3.50	3.58		
PULL #3	3.45	3.58		
PULL #4	3.42	3.44		
PULL #5	3.48	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.24		4.21
PULL #2	4.21	4.16		4.29
PULL #3	4.21	4.28		4.26
PULL #4	4.18	4.26		4.28
PULL #5	4.17	4.26		4.24
TOTAL				
AVG.				

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6611666
 24 May 1991

CENTROIDAL DISTANCES

0 TO	1	.174642
1 TO	2	.123329
1 TO	3	.373873
1 TO	4	.154289
1 TO	5	.435542

5³ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0948
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0334
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .108512

THE AMR FOR THIS RIFLE IS: .3634

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611666.1

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.901

VS= 1.805

CS= 2.531

PATTERN #

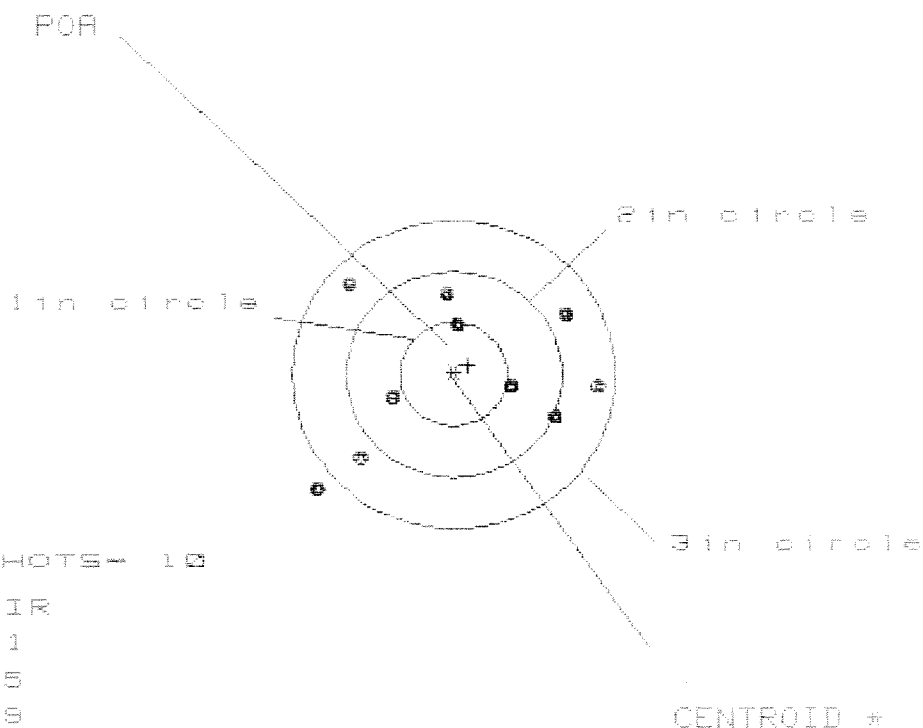
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.025	.786	.707
MINIMUM X	-.876	-.762	-.842
MAXIMUM Y	.922	.847	.749
MINIMUM Y	-.883	-.781	-.582
CENTROID X	-.040	-.154	-.074
CENTROID Y	-.170	-.272	-.174
POA TO CENTROID in.	.174	.313	.190
MIN RADIUS	.176	.149	.144
MEAN RADIUS	.784	.703	.660
MAX RADIUS	1.378	1.007	.915
HORIZONTAL SPREAD	1.901	1.548	1.548
VERTICAL SPREAD	1.805	1.628	1.331
EXTREME SPREAD	2.531	2.002	1.675
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811668.1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.584

VS= 2.025

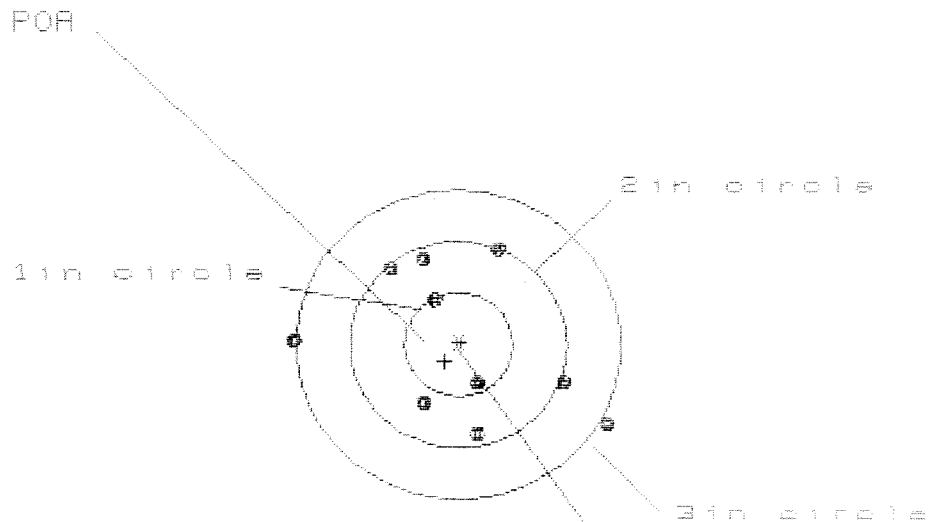
GS= 2.923

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.284	1.138	1.602
MINIMUM X	-1.310	-1.094	-1.119
MAXIMUM Y	.910	.786	.723
MINIMUM Y	-1.115	-.970	-.872
CENTROID X	-.133	.013	.149
CENTROID Y	-.089	.035	-.063
POA TO CENTROID in.	.160	.037	.162
MIN RADIUS	.461	.370	.298
MEAN RADIUS	1.009	.901	.831
MAX RADIUS	1.720	1.381	1.419
HORIZONTAL SPREAD	2.594	2.232	2.121
VERTICAL SPREAD	2.025	1.756	1.595
EXTREME SPREAD	2.923	2.460	2.304
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/066116B6.1

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.865

VS= 1.803

GS= 2.959

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.385	1.095	.929
MINIMUM X	-1.480	-1.325	-.630
MAXIMUM Y	.948	.865	.855
MINIMUM Y	-.855	-.938	-.948
CENTROID X	.126	-.028	.138
CENTROID Y	.165	.248	.259
POA TO CENTROID in.	.208	.249	.293
MIN RADIUS	.434	.319	.376
MEAN RADIUS	.944	.861	.796
MAX RADIUS	1.571	1.329	1.027
HORIZONTAL SPREAD	2.865	2.421	1.559
VERTICAL SPREAD	1.803	1.803	1.803
EXTREME SPREAD	2.959	2.445	1.897
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11866.1

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.436

VS= 1.761

GS= 2.574

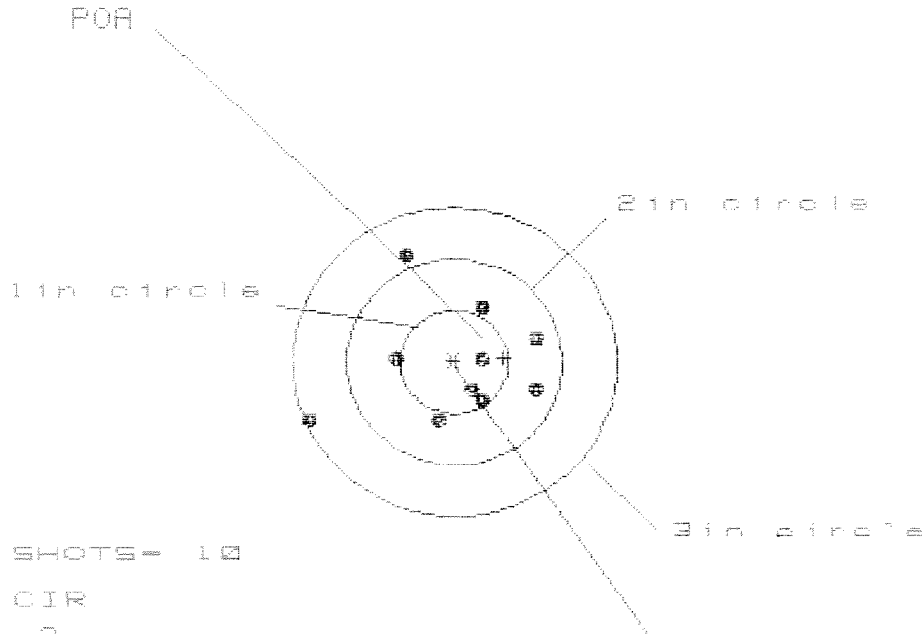
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.130	.985	.661
MINIMUM X	-1.306	-1.327	-1.204
MAXIMUM Y	.667	.637	.703
MINIMUM Y	-1.094	-1.124	-1.059
CENTROID X	.029	.174	.051
CENTROID Y	-.032	-.002	-.062
POA TO CENTROID in.	.043	.174	.085
MIN RADIUS	.346	.230	.356
MEAN RADIUS	.881	.800	.774
MAX RADIUS	1.334	1.365	1.264
HORIZONTAL SPREAD	2.436	2.312	1.865
VERTICAL SPREAD	1.761	1.761	1.761
EXTREME SPREAD	2.574	2.322	2.275
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611666.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.162

VS= 1.681

GS= 2.275

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.775	.620	.545
MINIMUM X	-1.387	-.664	-.738
MAXIMUM Y	1.082	1.018	.619
MINIMUM Y	-.599	-.663	-.536
CENTROID X	-.456	-.301	-.227
CENTROID Y	-.041	.023	-.104
POA TO CENTROID in.	.457	.302	.249
MIN RADIUS	.254	.088	.148
MEAN RADIUS	.699	.576	.473
MAX RADIUS	1.503	1.181	.743
HORIZONTAL SPREAD	2.162	1.284	1.284
VERTICAL SPREAD	1.681	1.681	1.155
EXTREME SPREAD	2.275	1.846	1.324
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611666
9 May 1991

CENTROIDAL DISTANCES

0 TO	1	.170188
1 TO	2	.152201
1 TO	3	.44584
1 TO	4	.377097
1 TO	5	.248847

$\frac{2}{3}$ $\frac{5}{34}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .153
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1152
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .19152
THE AMR FOR THIS RIFLE IS: .9842

9 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611666

CENTERFIRE PATTERNS

1

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 9

HS= 2.145

VS= 2.475

GS= 2.660

CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.982	.961	.872
MINIMUM X	:	-1.163	-1.184	-1.273
MAXIMUM Y	:	.941	.771	.592
MINIMUM Y	:	-1.534	-1.429	-1.003
CENTROID X	:	.170	.191	.280
CENTROID Y	:	.008	.178	.357
POB TO CENTROID in.	:	.170	.261	.453
MIN RADIUS	:	.657	.791	.641
MEAN RADIUS	:	1.137	1.079	.985
MAX RADIUS	:	1.545	1.596	1.377
HORIZONTAL SPREAD	:	2.145	2.145	2.145
VERTICAL SPREAD	:	2.475	2.200	1.595
EXTREME SPREAD	:	2.660	2.660	2.361
NUMBER IN ONE INCH CIRCLE	=	0	0	0
NUMBER IN TWO INCH CIRCLE	=	2	2	2
NUMBER IN THREE INCH CIRCLE	=	9	9	9

9 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811666

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS = 1.812

VS = 2.124

GS = 2.506

PATTERN #

2

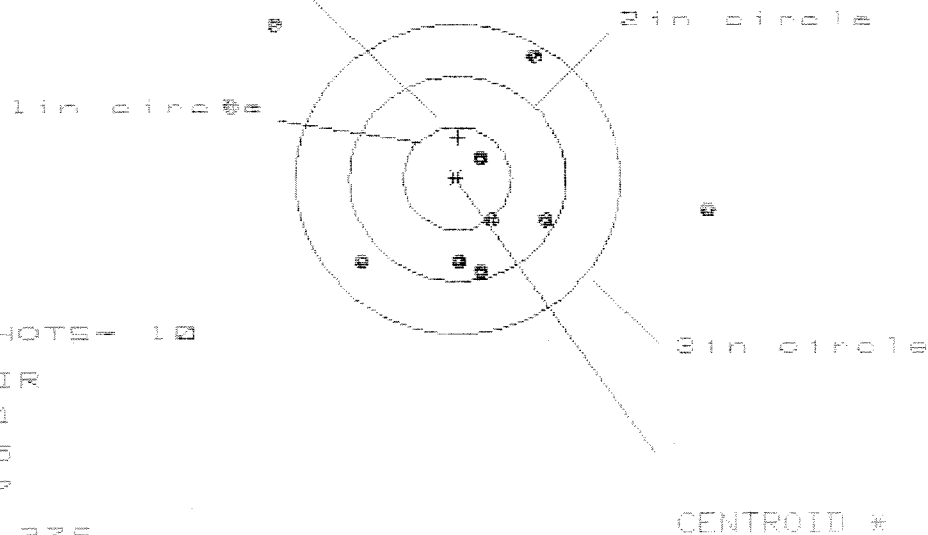
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.022	.934	.990
MINIMUM X	-.790	-.778	-.722
MAXIMUM Y	1.033	.878	.756
MINIMUM Y	-1.091	-.976	-.731
CENTROID X	.031	.119	.063
CENTROID Y	-.054	-.169	-.047
POA TO CENTROID in.	.062	.206	.078
MIN RADIUS	.075	.220	.095
MEAN RADIUS	.786	.747	.674
MAX RADIUS	1.300	1.156	1.137
HORIZONTAL SPREAD	1.812	1.712	1.712
VERTICAL SPREAD	2.124	1.854	1.487
EXTREME SPREAD	2.506	2.144	2.144
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

5 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611666

CENTERFIRE PATTERNS # 3

POA



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 4.376

VS = 2.416

GS = 4.494

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.277	1.068	.837
MINIMUM X	-2.099	-1.846	-1.628
MAXIMUM Y	1.468	1.433	1.518
MINIMUM Y	-.948	-.983	-.898
CENTROID X	-.012	-.265	-.034
CENTROID Y	-.399	-.364	-.449
POA TO CENTROID in.	.399	.450	.450
MIN RADIUS	.309	.520	.359
MEAN RADIUS	1.276	1.204	1.025
MAX RADIUS	2.298	2.002	2.226
HORIZONTAL SPREAD	4.376	2.914	2.465
VERTICAL SPREAD	2.416	2.416	2.416
EXTREME SPREAD	4.494	3.112	3.081
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

9 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611666

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.588

VS= 2.425

GS= 3.192

CENTROID *

PATTERN #

4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.159	1.000	.538
MINIMUM X	:	-1.429	-1.074	-.949
MAXIMUM Y	:	1.298	.490	.437
MINIMUM Y	:	-1.127	-.983	-1.036
CENTROID X	:	.279	.438	.313
CENTROID Y	:	-.353	-.497	-.444
POA TO CENTROID in.	:	.450	.663	.543
MIN RADIUS	:	.129	.104	.035
MEAN RADIUS	:	.785	.648	.571
MAX RADIUS	:	1.931	1.174	1.168
HORIZONTAL SPREAD	:	2.588	2.074	1.487
VERTICAL SPREAD	:	2.425	1.473	1.473
EXTREME SPREAD	:	3.192	2.262	2.083
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

9 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611666

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.596

VS= 3.218

GS= 3.385

CENTROID #

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.104

1.023

.826

MINIMUM X

-1.492

-1.573

-.504

MAXIMUM Y

.763

.490

.532

MINIMUM Y

-2.455

-.771

-.729

CENTROID X

.297

.378

.575

CENTROID Y

.222

.495

.453

POA TO CENTROID in.

.371

.623

.732

MIN RADIUS

.149

.076

.275

MEAN RADIUS

.937

.675

.585

MAX RADIUS

2.561

1.609

1.102

HORIZONTAL SPREAD

2.596

2.596

1.330

VERTICAL SPREAD

3.218

1.261

1.261

EXTREME SPREAD

3.385

2.823

1.595

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

8