

C6349085

MODEL 700TM M24

Model **S&S**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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ated:
== : 1
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SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349085.__0
FILE DATE AND TIME: 01/26/2004 09:08

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.105
The Average Y Centroid of the Five Target Set:	0.088
The Average Point of Impact of the Five Target Set:	0.137
The Average Mean Radius of the Five Target Set:	0.908
The Distance from POA to Centroid Target #1:	0.304
The Distance from Centroid Target #2 to Centroid Target #1:	0.099
The Distance from Centroid Target #3 to Centroid Target #1:	0.658
The Distance from Centroid Target #4 to Centroid Target #1:	0.119
The Distance from Centroid Target #5 to Centroid Target #1:	0.400

SERIAL NUMBER: C6349085. __0

TARGET NUMBER: 1

FILE DATE: 01/26/2004

FILE TIME: 09:08

POINT#	X	Y
1:	0.431	2.348
2:	0.364	0.973
3:	0.815	0.585
4:	0.301	0.161
5:	0.457	-0.739
6:	-0.332	-0.677
7:	-0.731	-1.054
8:	-0.572	0.060
9:	-1.095	0.529
10:	-0.490	0.728

X CENTROID: -0.085

Y CENTROID: 0.291

POA TO CENTROID: 0.304

HORZ SPREAD: 1.910

VERT SPREAD: 3.402

GROUP SPREAD: 3.595

MIN RADIUS: 0.408

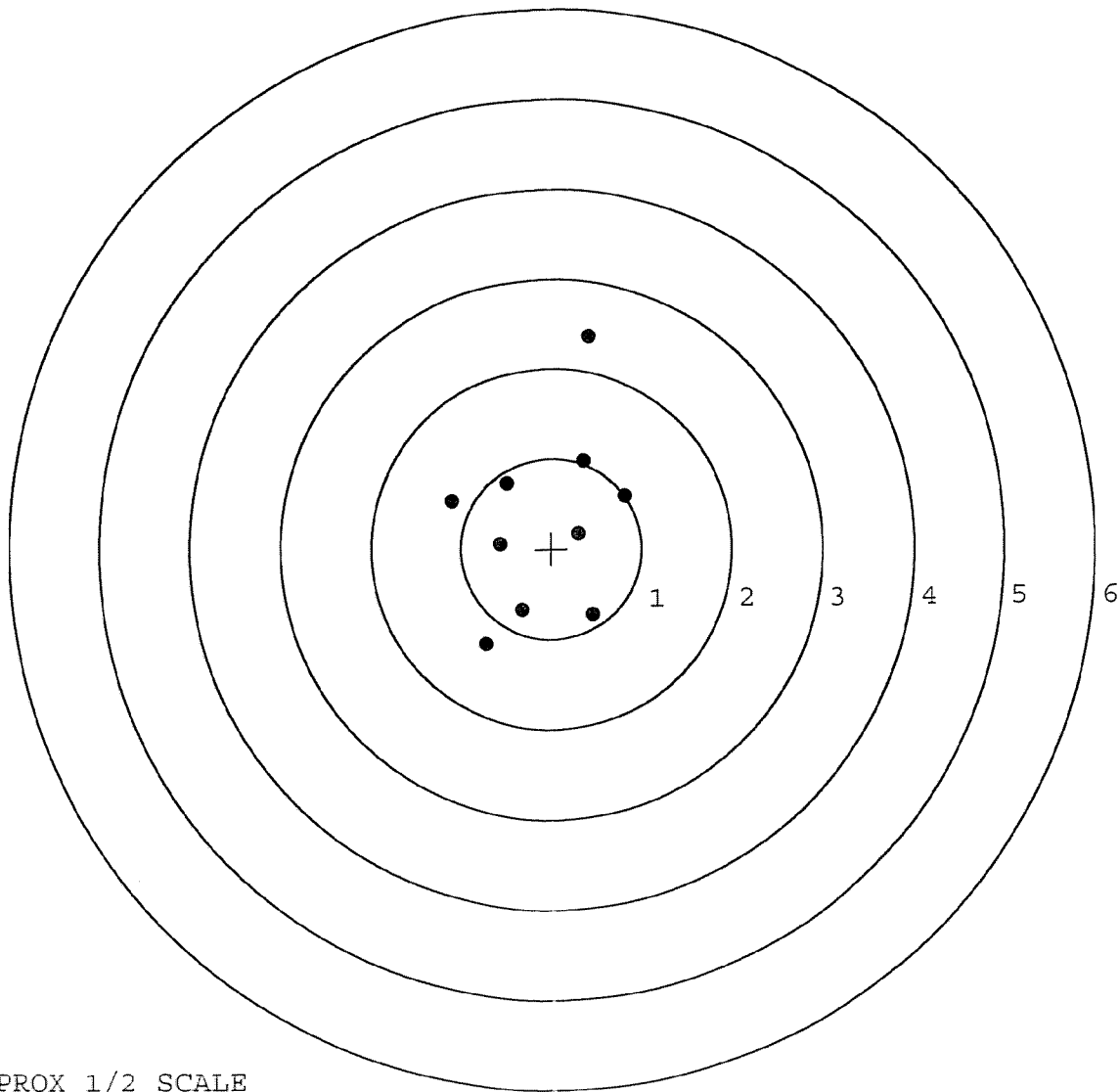
MAX RADIUS: 2.120

MEAN RADIUS: 1.012

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349085. __0

TARGET NUMBER: 2

FILE DATE: 01/26/2004

FILE TIME: 09:08

POINT#	X	Y
1:	1.067	1.128
2:	0.397	1.006
3:	0.320	0.352
4:	0.214	0.362
5:	-0.791	1.300
6:	-0.572	1.033
7:	-0.500	0.252
8:	-0.793	-0.835
9:	-0.008	-1.233
10:	0.289	-1.320

X CENTROID: -0.038

Y CENTROID: 0.205

POA TO CENTROID: 0.208

HORZ SPREAD: 1.860

VERT SPREAD: 2.620

GROUP SPREAD: 2.834

MIN RADIUS: 0.297

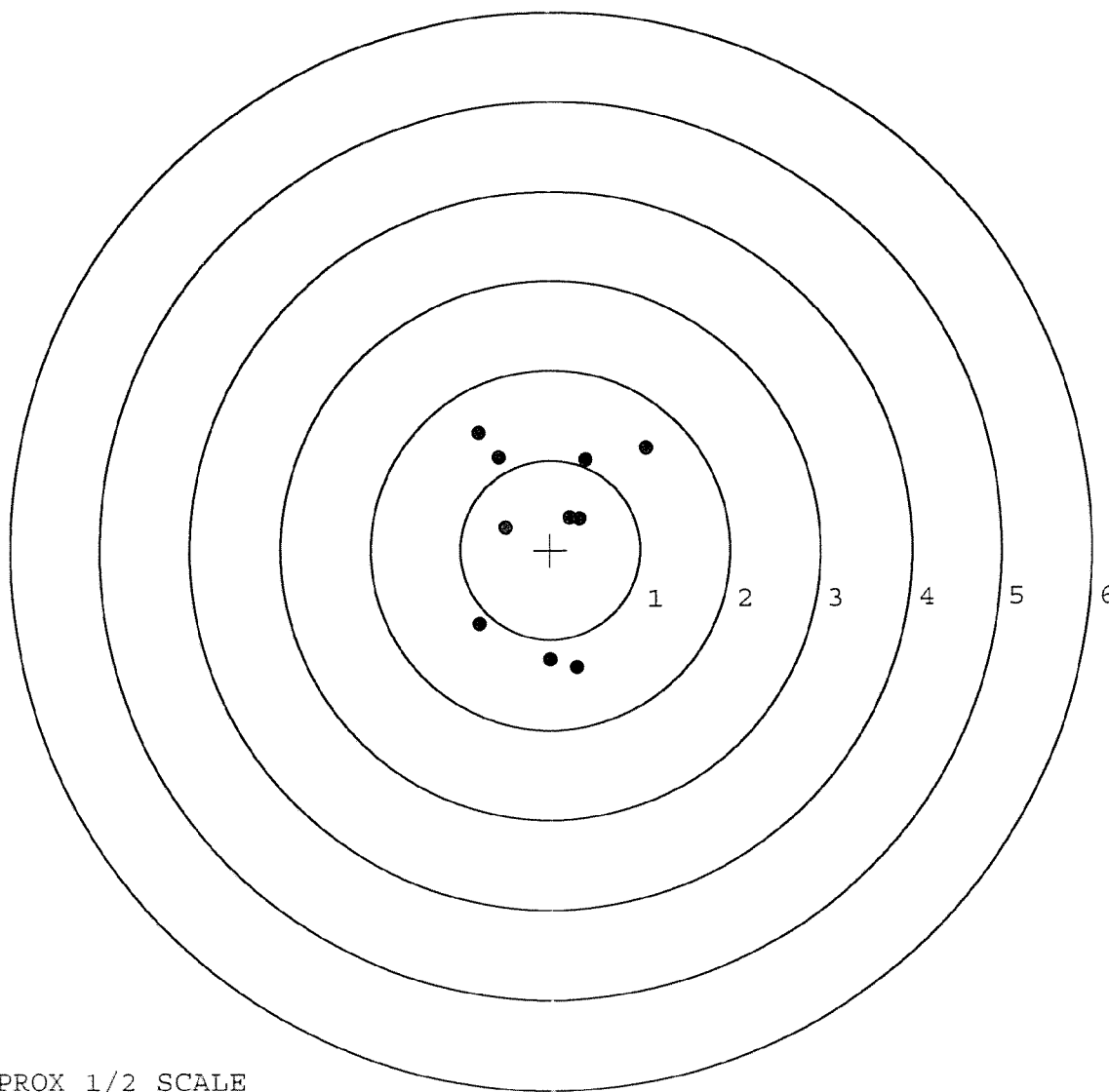
MAX RADIUS: 1.559

MEAN RADIUS: 1.010

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349085. 0

TARGET NUMBER: 3

FILE DATE: 01/26/2004

FILE TIME: 09:08

X CENTROID: -0.056

Y CENTROID: -0.366

POA TO CENTROID: 0.370

HORZ SPREAD: 2.055

VERT SPREAD: 2.909

GROUP SPREAD: 2.925

MIN RADIUS: 0.274

MAX RADIUS: 1.718

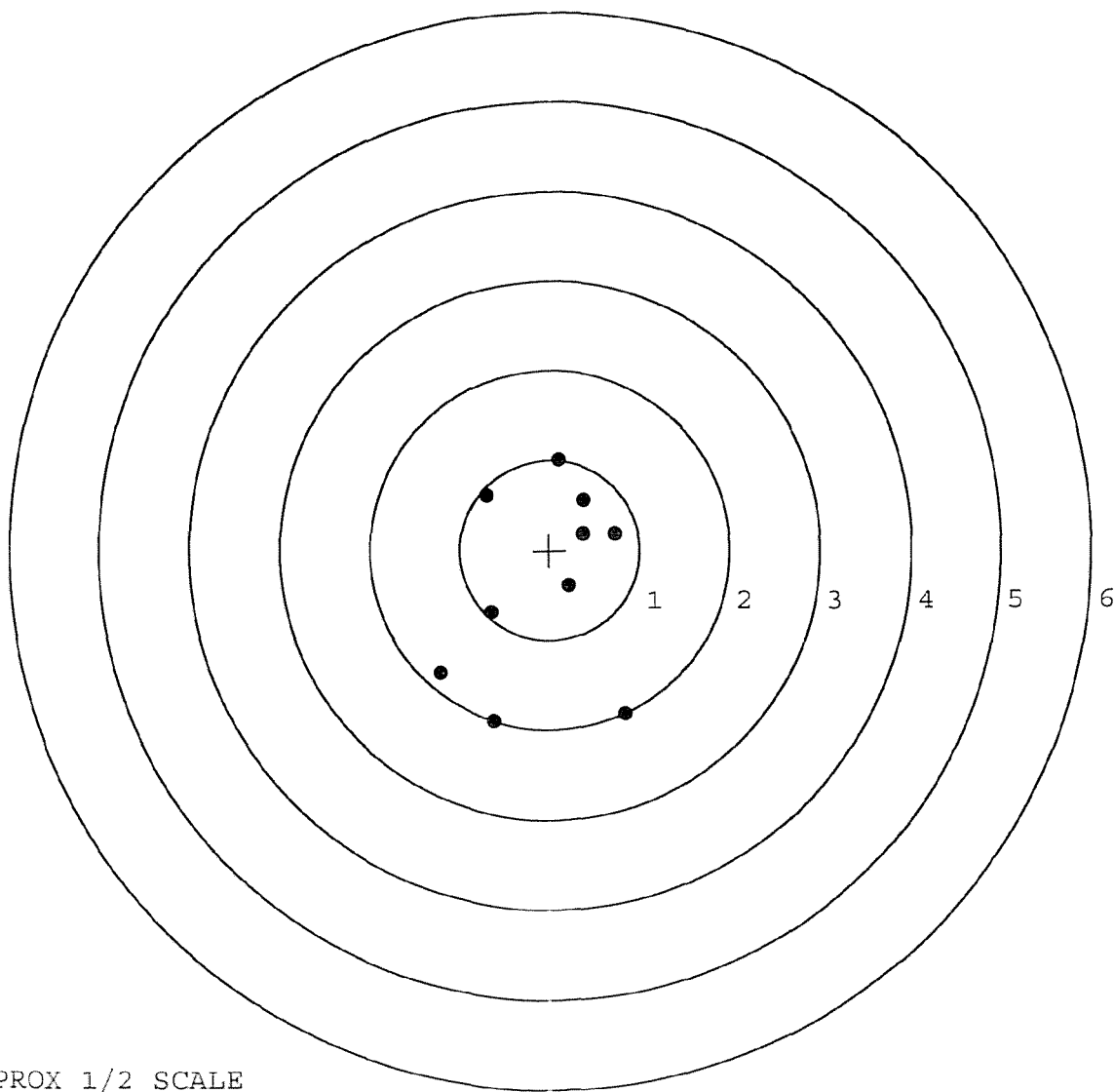
MEAN RADIUS: 1.107

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 7

POINT#	X	Y
1:	0.846	-1.828
2:	-0.626	-1.908
3:	-1.209	-1.377
4:	-0.651	-0.692
5:	0.216	-0.397
6:	0.724	0.184
7:	0.367	0.186
8:	0.375	0.557
9:	0.104	1.001
10:	-0.705	0.613



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349085. __0

TARGET NUMBER: 4

FILE DATE: 01/26/2004

FILE TIME: 09:08

POINT#	X	Y
1:	1.042	0.936
2:	0.690	1.072
3:	-0.480	1.948
4:	-0.083	0.585
5:	-0.347	0.208
6:	0.476	0.029
7:	-0.248	-0.905
8:	-1.024	0.072
9:	-1.067	-0.159
10:	-0.307	0.208

X CENTROID: -0.135

Y CENTROID: 0.399

POA TO CENTROID: 0.422

HORZ SPREAD: 2.109

VERT SPREAD: 2.853

GROUP SPREAD: 2.862

MIN RADIUS: 0.193

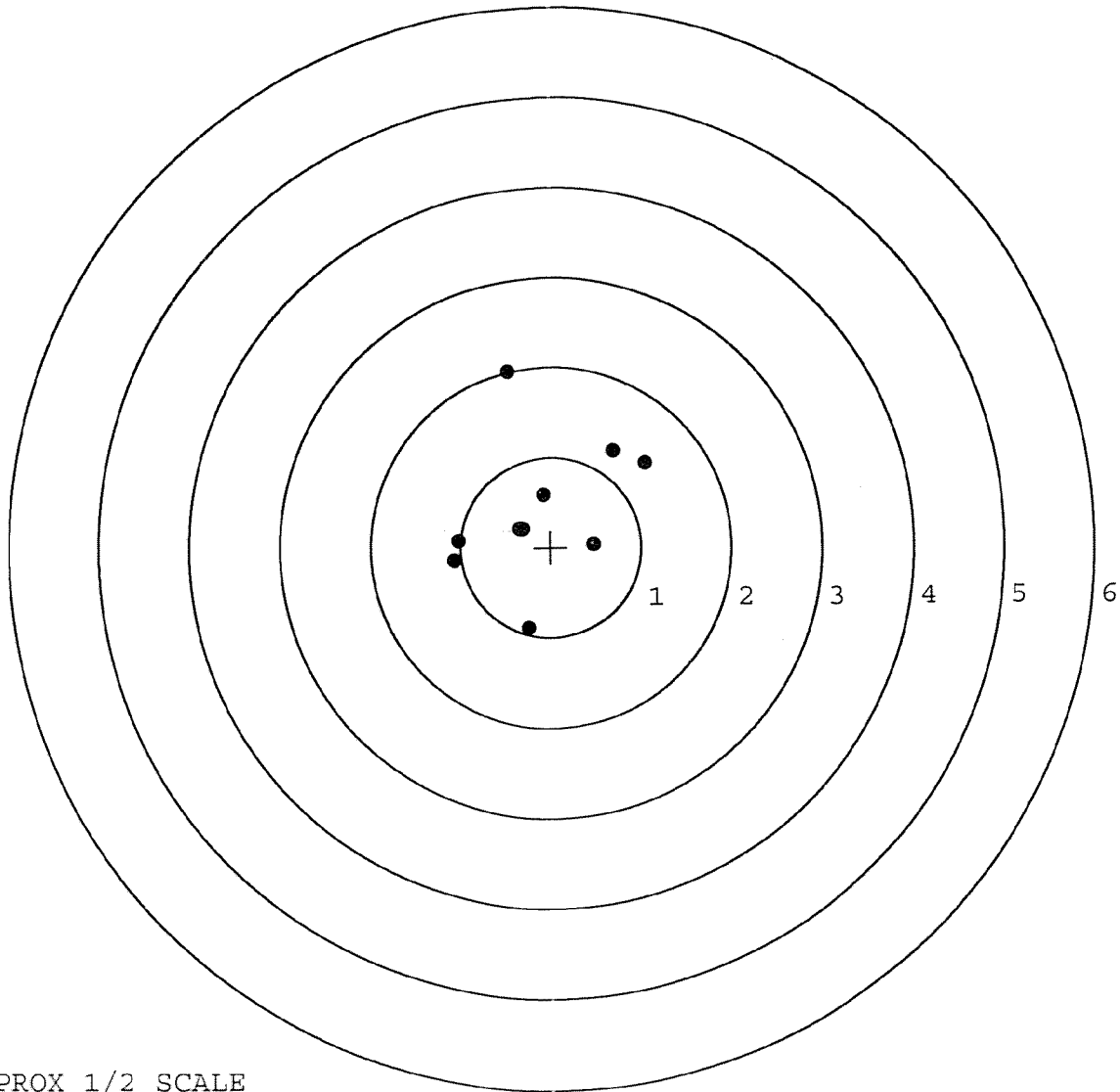
MAX RADIUS: 1.587

MEAN RADIUS: 0.874

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349085. 0

TARGET NUMBER: 5

FILE DATE: 01/26/2004

FILE TIME: 09:08

X CENTROID: -0.210

Y CENTROID: -0.089

POA TO CENTROID: 0.228

HORZ SPREAD: 1.638

VERT SPREAD: 1.156

GROUP SPREAD: 1.641

MIN RADIUS: 0.258

MAX RADIUS: 0.873

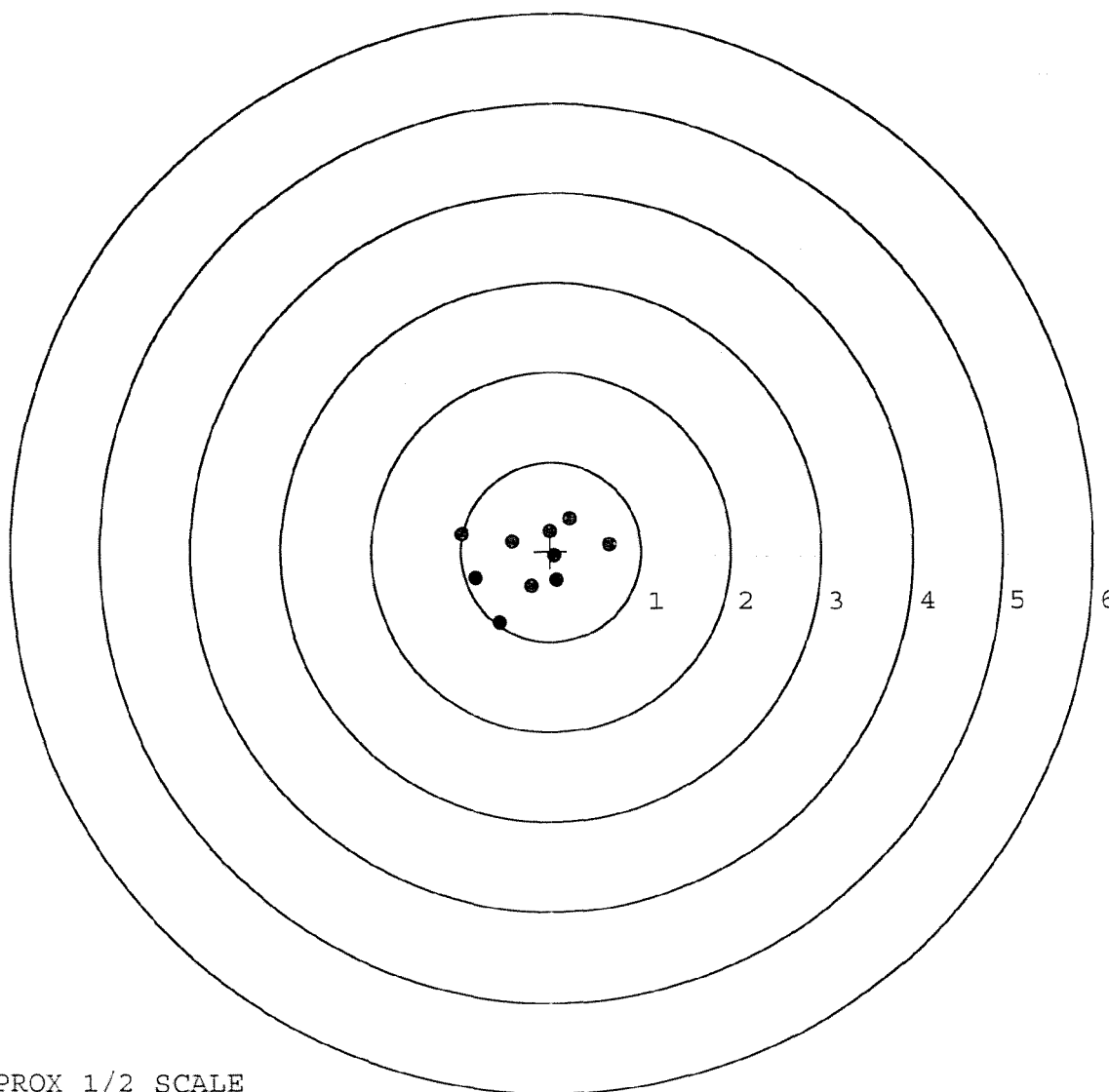
MEAN RADIUS: 0.537

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.991	0.187
2:	-0.839	-0.296
3:	-0.576	-0.792
4:	-0.218	-0.391
5:	-0.433	0.115
6:	0.070	-0.326
7:	0.647	0.081
8:	0.209	0.364
9:	-0.010	0.222
10:	0.045	-0.050



TARGET APPROX 1/2 SCALE

R & E NUMBER	074631		
SERIAL NUMBER	C6349085		
LOG-IN DATE	12-19-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-5-04	RW
560 A	RE-BARREL	1-7-04	RTL
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE	1-8-04	RTL
600	PROOF	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER	1-13-04	B
618	ROTO-BLAST	1/13/2004	Dams
620	APPLY COATINGS	1-15	TA
625 A	FINAL ASSEMBLY	1-20-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-26-04	RTL
655	FINAL INSPECT	1-26-04	AC
660	PACK	1-29-04	RA
		SHIP DATE	
	QAR INSPECTION DATE		

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

MODEL 700TH M24

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

SERIAL NO.
C6349085

ORDER NO.
5716

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

01

5716 C6349085

UPC
0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349085

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	90	RW
600	Proof	4 12	90	A
607	Check Headspace	4 12	90	A
610	Dis-assemble Gun	4 12	90	RW
612	Magnaflux Barrel Action	4-19-90		KCR
	Magnaflux Bolt	4-19-90		KCR
615	Rollmark Caliber	4-19-90		G.S.
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/30/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/90	RW
	C) Inspect Ejector Hole for Chamfer		5/1/90	RW
	D) Oil Firing Pin Ass'y		5/1/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/11/90	JM

BARBER - M24 0107488		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			5/11/90	JH
	G) Safety Off Force	2	2	2			5/11/90	JH
	H) Trigger Pull Test & Retainability						5/11/90	JH
	I) Firing Pin Indent	.0205	.0205	.0205			5/11/90	JH
	J) Assemble Stock						5/15/90	RW
	K) Assemble Swivel Studs						5/17/90	WB
	L) Attach Front and Rear Sight Assemblies						5/15/90	RW
	M) Iron Sight Alignment						5/15/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/15/90	RW
	O) Attach Scope to Rifle						5/15/90	JH
	P) Detach & Attach Scope 20 Times						5/15/90	JH
640	Gallery Target & Test						5-15-90	AC
	A) Time						5-15-90	AC
	B) Malfunctions						5-15-90	AC
	C) Pierced Primers						5-15-90	AC
	D) Optical Clarity of Scope						5-15-90	AC
645	Inspect for Live Ammo						5-15-90	AC
655	Final Inspection						5/17/90	WB
	A) Headspace							
	B) Trigger Pull	2.55	2.60	2.70	2.68	2.57	5/17/90	WB
	C) Function						5/17/90	WB
660	Pack						6-20-90	DH

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

SERIAL NO. 06349085DATE 5/11/90TESTER gfl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.42	2.31	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.46	2.24	2.60	
PULL #3	2.44	2.40	2.21	2.70	
PULL #4	2.38	2.45	2.17	2.68	
PULL #5	2.45	2.42	2.21	2.57	
TOTAL	12.20	12.15	11.14		
AVG.	2.44	2.43	2.228		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.31		
PULL #2	3.29	3.24		
PULL #3	3.24	3.26		
PULL #4	3.24	3.23		
PULL #5	3.29	3.25		
TOTAL	16.32	16.29		
AVG.	3.264	3.258		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.14		4.42
PULL #2	4.28	4.20		4.45
PULL #3	4.21	4.16		4.49
PULL #4	4.36	4.27		4.50
PULL #5	4.19	4.23		4.50
TOTAL	21.29	21.00		22.36
AVG.	4.258	4.20		4.472

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349085
16 May 1990

CENTROIDAL DISTANCES

0	TO	1	.368262
1	TO	2	.324891
1	TO	3	.508709
1	TO	4	.505431
1	TO	5	.064622



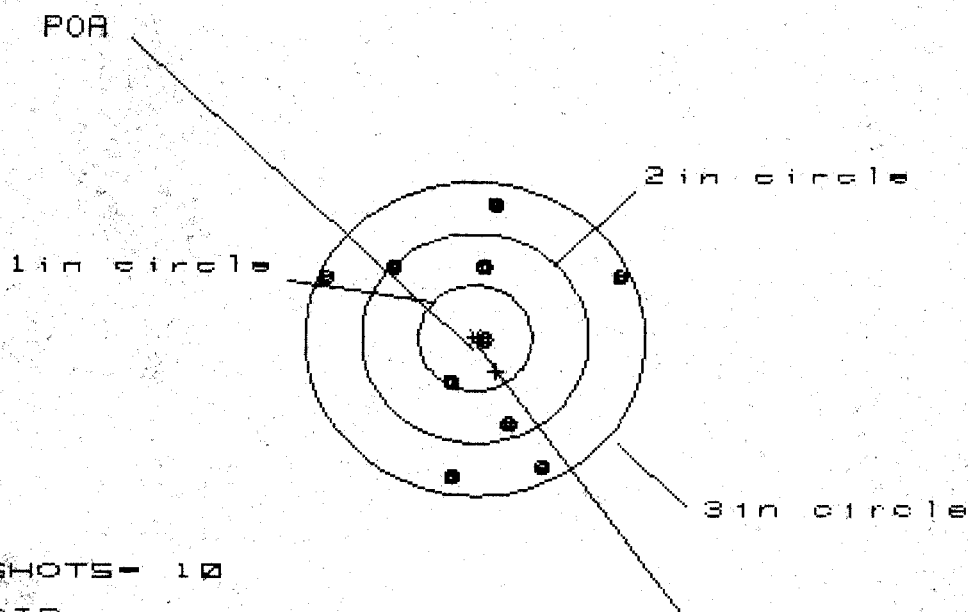
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0064
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .188
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .188109
THE AMR FOR THIS RIFLE IS: .9612

15 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349085

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.535

VS= 2.591

GS= 2.620

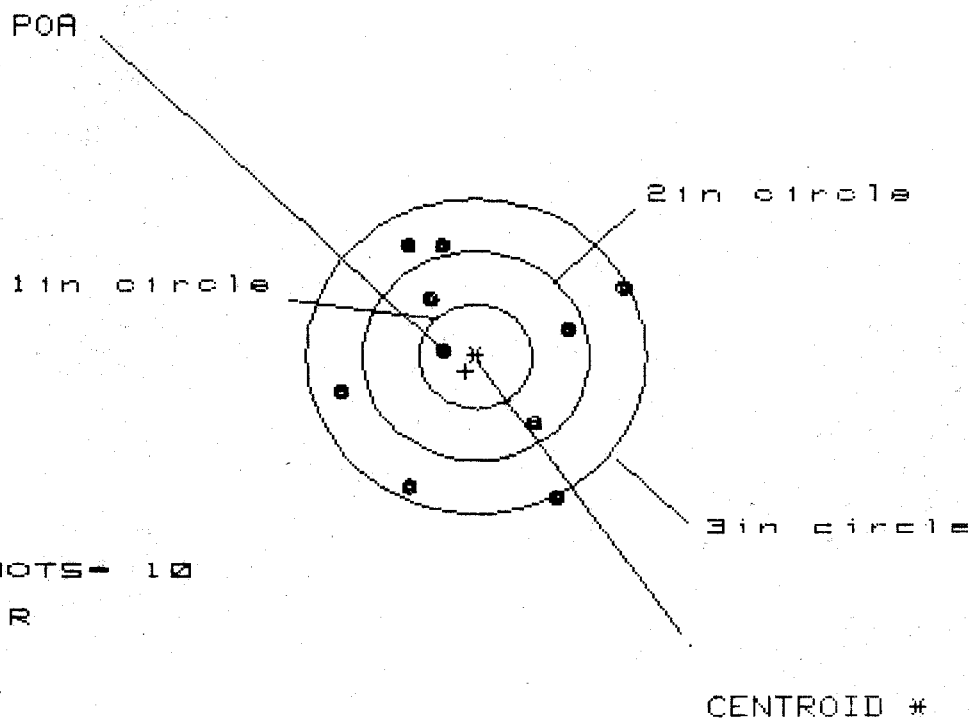
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.239	1.095	.573
MINIMUM X	-1.296	-.818	-.681
MAXIMUM Y	1.234	1.296	1.380
MINIMUM Y	-1.357	-1.295	-1.211
CENTROID X	-.184	-.040	-.177
CENTROID Y	.319	.257	.173
POA TO CENTROID in.	.369	.260	.248
MIN RADIUS	.110	.058	.112
MEAN RADIUS	.974	.916	.854
MAX RADIUS	1.413	1.349	1.388
HORIZONTAL SPREAD	2.535	1.913	1.254
VERTICAL SPREAD	2.591	2.591	2.591
EXTREME SPREAD	2.620	2.620	2.620
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

15 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8349005

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.467

VS = 2.389

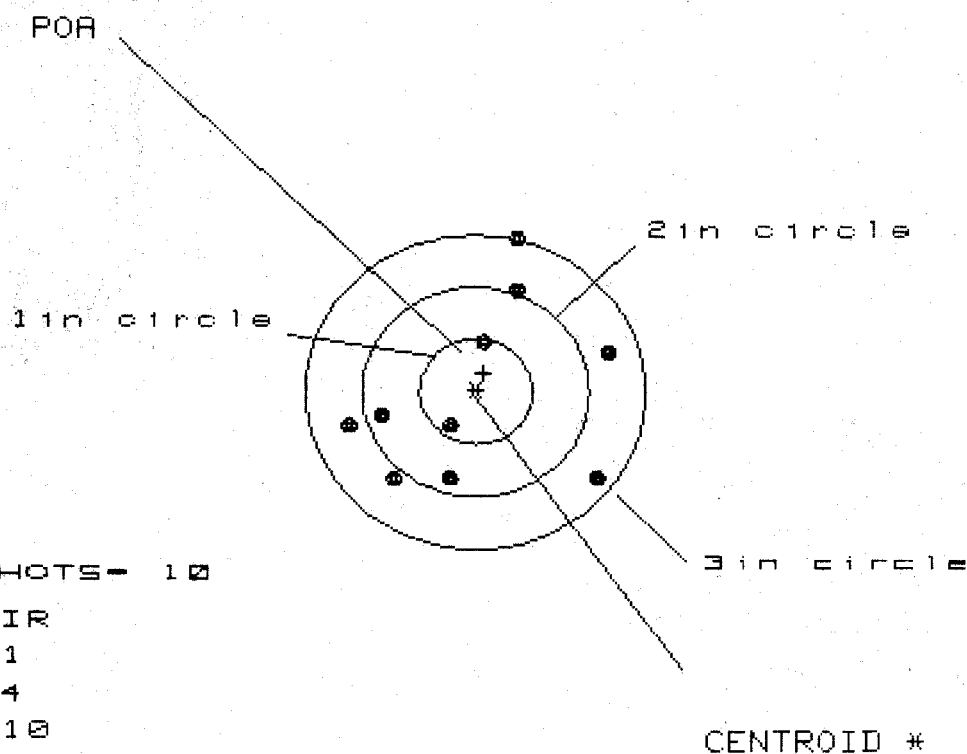
GS = 2.705

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.311	1.387	1.057
MINIMUM X	-1.156	-1.080	-.907
MAXIMUM Y	1.018	.866	.933
MINIMUM Y	-1.371	-1.352	-1.285
CENTROID X	.091	.015	-.158
CENTROID Y	.146	.298	.231
POA TO CENTROID in.	.172	.298	.280
MIN RADIUS	.258	.188	.010
MEAN RADIUS	1.040	.955	.858
MAX RADIUS	1.532	1.487	1.339
HORIZONTAL SPREAD	2.467	2.467	1.964
VERTICAL SPREAD	2.389	2.218	2.218
EXTREME SPREAD	2.705	2.705	2.240
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

15 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349085

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 4

3 in - 10

HS - 2.336

VS - 2.301

GS - 2.566

PATTERN #	:	3
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.161
MINIMUM X	:	-1.175
MAXIMUM Y	:	1.443
MINIMUM Y	:	-.858
CENTROID X	:	-.071
CENTROID Y	:	-.177
POA TO CENTROID in.	:	.191
MIN RADIUS	:	.390
MEAN RADIUS	:	1.008
MAX RADIUS	:	1.495
HORIZONTAL SPREAD	:	2.336
VERTICAL SPREAD	:	2.301
EXTREME SPREAD	:	2.566
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	10

15 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C63490B5

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 0

2 in - 6

3 in - 10

HS - 1.731

VS = 1.866

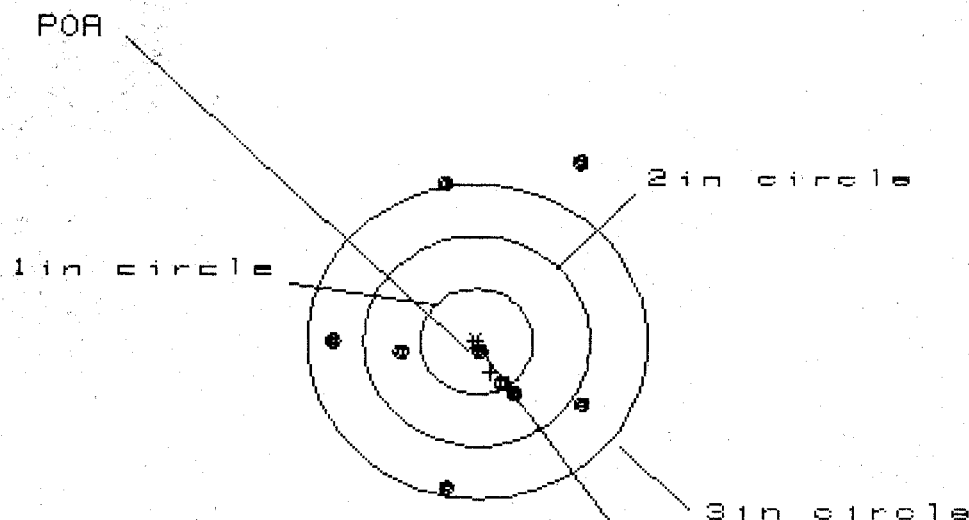
GS = 2.295

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.843	.777	.658
MINIMUM X	:	-.888	-.954	-.732
MAXIMUM Y	:	.815	.698	.771
MINIMUM Y	:	-1.051	-.968	-.895
CENTROID X	:	.320	.386	.505
CENTROID Y	:	.357	.474	.401
POA TO CENTROID in.	:	.479	.611	.645
MIN RADIUS	:	.509	.613	.520
MEAN RADIUS	:	.867	.826	.783
MAX RADIUS	:	1.208	1.154	1.030
HORIZONTAL SPREAD	:	1.731	1.731	1.390
VERTICAL SPREAD	:	1.866	1.666	1.666
EXTREME SPREAD	:	2.295	2.218	1.829
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

15 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C63490B5

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.231

VS= 3.071

GS= 3.287

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.945	1.012	.995
MINIMUM X	:	-1.286	-1.181	-1.198
MAXIMUM Y	:	1.673	1.658	.377
MINIMUM Y	:	-1.398	-1.212	-1.005
CENTROID X	:	-.124	-.229	-.212
CENTROID Y	:	.295	.109	-.098
POA TO CENTROID in.	:	.320	.254	.234
MIN RADIUS	:	.140	.132	.271
MEAN RADIUS	:	.917	.770	.660
MAX RADIUS	:	1.922	1.664	1.256
HORIZONTAL SPREAD	:	2.231	2.193	2.193
VERTICAL SPREAD	:	3.071	2.870	1.382
EXTREME SPREAD	:	3.287	2.870	2.268
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		