

C6594598

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00038545** Serial: C6594598 Model 700 Center Fire Caliber: 7.62 NATO M24 SWS W/DGS 3 of 18 Repairman: Status: Closed 1/27/02 9:05:39 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **HECTOR M ROCA** **HECTOR M ROCA**

Address 1: **BCO 3RD SFG A** **BCO 3RD SFG A**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **910 432 3918**

Fax:

Email:

Comments:

Received Condition

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A017	Scope Base	1

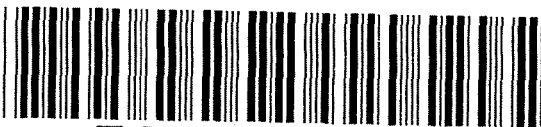
Repair Search **Refresh** **Close**

maglet 1/27/02 10:21 AM CAPS NUM INS SEFL

Start Inbo... Calc... Scor... SW... Ira... Ar... Print... 10:21 AM

Serial Number: **C6594598**

Model: **700**



RE00038545

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

R & E NUMBER 38545

SERIAL NUMBER C6594598

LOG-IN DATE 1-2-01

INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-02	RL
560 A	RE-BARREL AT CUSTOM SHOP	1-3-02	BWT
B	DRILL AND TAP	1-3-02	BWT
C	POLISH		
575	ASSEMBLE		
600	PROOF	MAGNA-02 INSPECTED 1-4-02	AC
605	CHECK HEADSPACE	JAN 1-4-02	AC
610	DIS-ASSEMBLE GUN	1-4-02	AC
612	MAGNAFLUX	OPERATOR RL	
615	ROLLMARK CALIBER	1-7-02	B
618	ROTO-BLAST	1/7	KO
620	APPLY COATINGS	1/7	HP
625 A	FINAL ASSEMBLY	1/8/02	RW
B	TRIGGER PULL TEST	N/C	
C	SAFETY "ON" FORCE	N/C	
D	SAFETY "OFF" FORCE	N/C	
E	FIRING PIN INDENT	N/C	
640	TARGET	1-9-02	AC
655	FINAL INSPECT	1-10-02	B.L.
660	PACK	1-10-02	DA
		SHIP DATE	
		QAR INSPECTION DATE	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6594598.___0
FILE DATE AND TIME: 01/09/2002 02:25

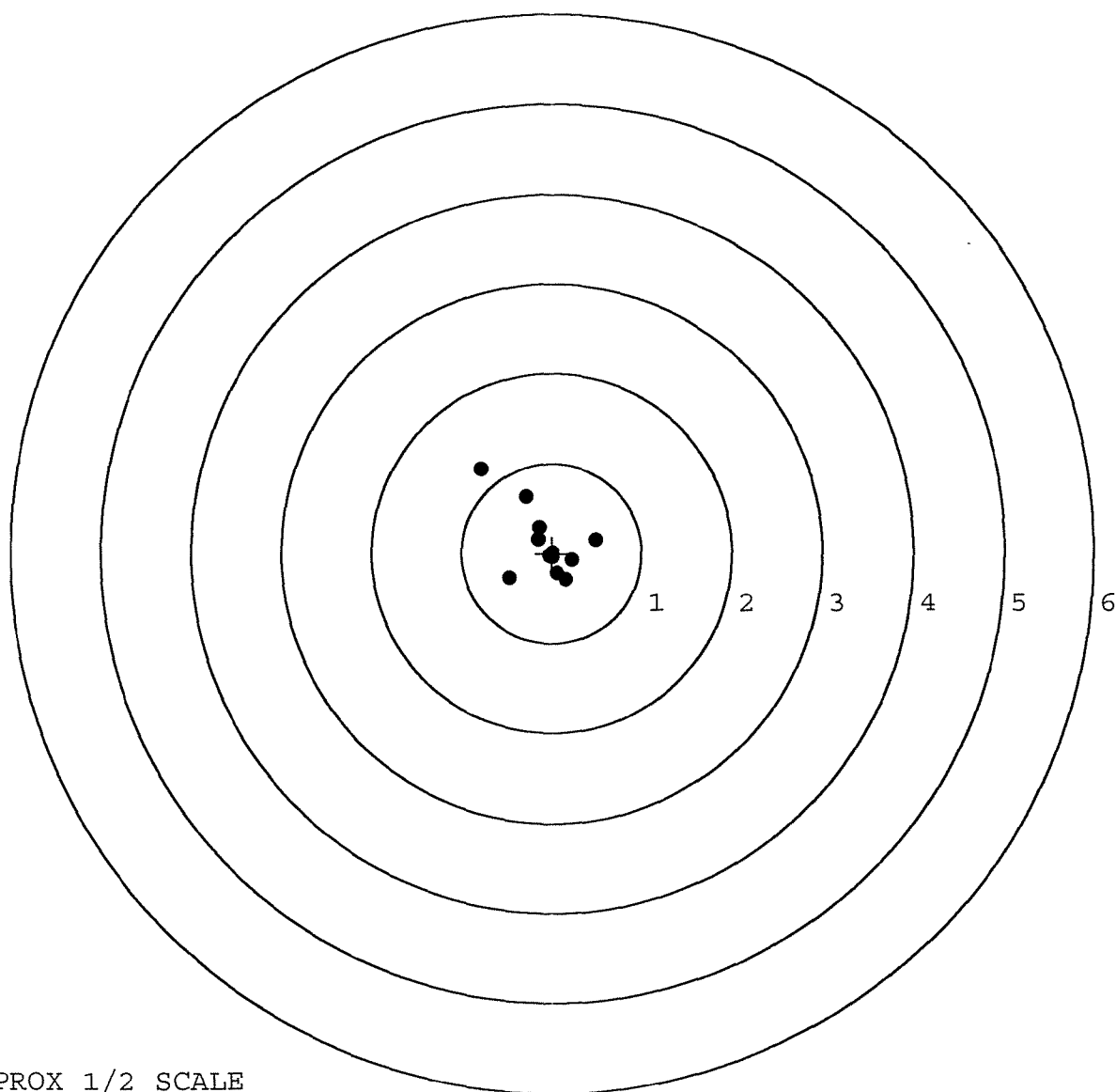
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.031
The Average Y Centroid of the Five Target Set:	-0.012
The Average Point of Impact of the Five Target Set:	0.033
The Average Mean Radius of the Five Target Set:	0.369
The Distance from POA to Centroid Target #1:	0.128
The Distance from Centroid Target #2 to Centroid Target #1:	0.205
The Distance from Centroid Target #3 to Centroid Target #1:	0.256
The Distance from Centroid Target #4 to Centroid Target #1:	0.129
The Distance from Centroid Target #5 to Centroid Target #1:	0.359

SERIAL NUMBER: C6594598.___0
TARGET NUMBER: 1
FILE DATE: 01/09/2002
FILE TIME: 02:25

X CENTROID: -0.080
Y CENTROID: 0.100
POA TO CENTROID: 0.128
HORZ SPREAD: 1.279
VERT SPREAD: 1.230
GROUP SPREAD: 1.552
MIN RADIUS: 0.094
MAX RADIUS: 1.097
MEAN RADIUS: 0.389
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 11
in 3 IN DIAMETER: 12

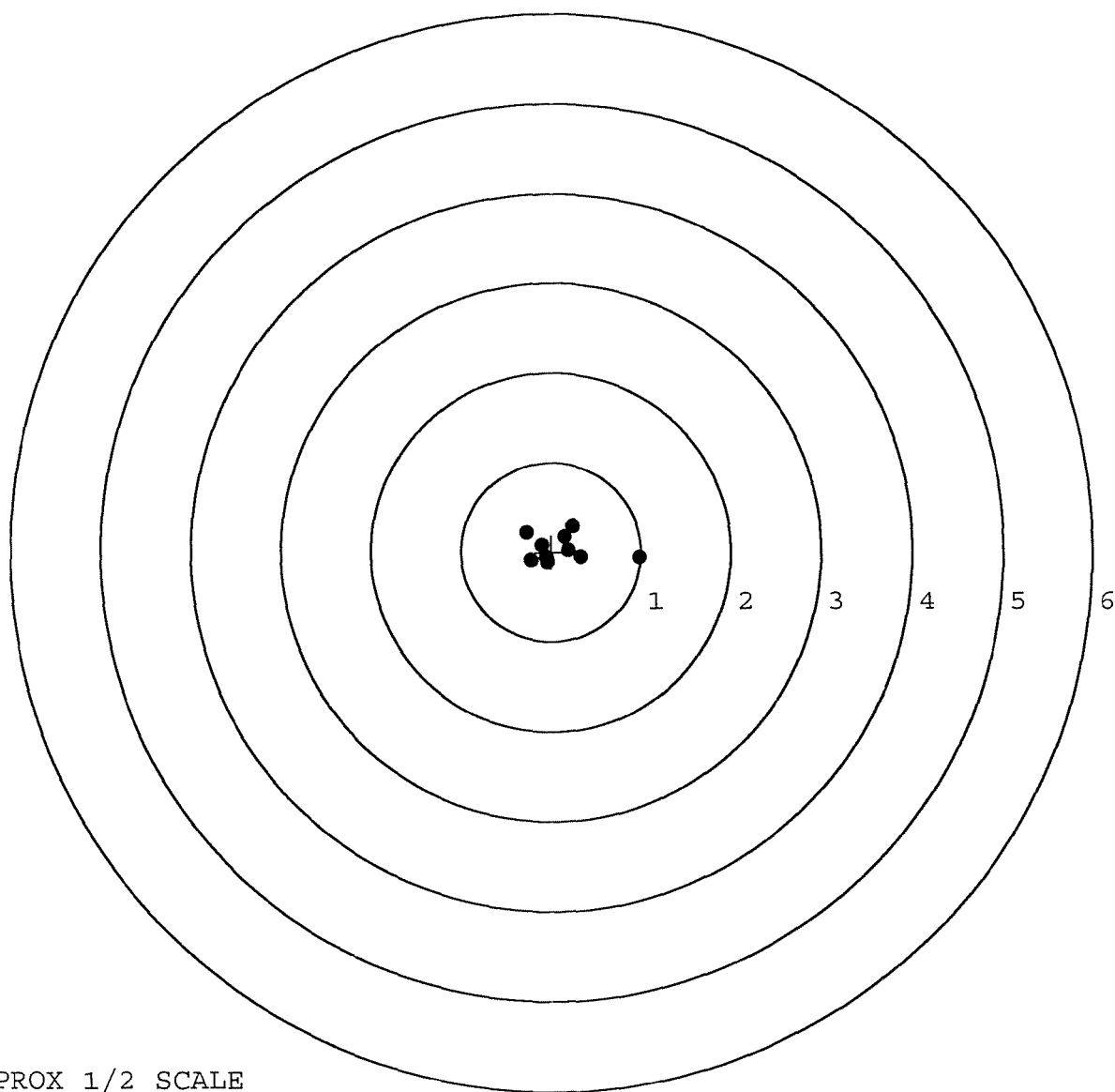
POINT#	X	Y
1:	0.000	0.000
2:	-0.030	-0.029
3:	0.488	0.152
4:	0.230	-0.078
5:	0.155	-0.295
6:	-0.475	-0.274
7:	-0.791	0.935
8:	-0.293	0.627
9:	-0.141	0.280
10:	-0.158	0.152
11:	-0.002	-0.046
12:	0.059	-0.221



SERIAL NUMBER: C6594598.___0
TARGET NUMBER: 2
FILE DATE: 01/09/2002
FILE TIME: 02:25

X CENTROID: 0.116
Y CENTROID: 0.038
POA TO CENTROID: 0.122
HORZ SPREAD: 1.260
VERT SPREAD: 0.405
GROUP SPREAD: 1.291
MIN RADIUS: 0.073
MAX RADIUS: 0.872
MEAN RADIUS: 0.307
IN 1 IN DIAMETER: 9
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.982	-0.063
2:	0.246	0.289
3:	-0.278	0.219
4:	-0.233	-0.094
5:	-0.063	-0.066
6:	0.328	-0.058
7:	0.150	0.170
8:	-0.111	0.079
9:	-0.052	-0.116
10:	0.187	0.022

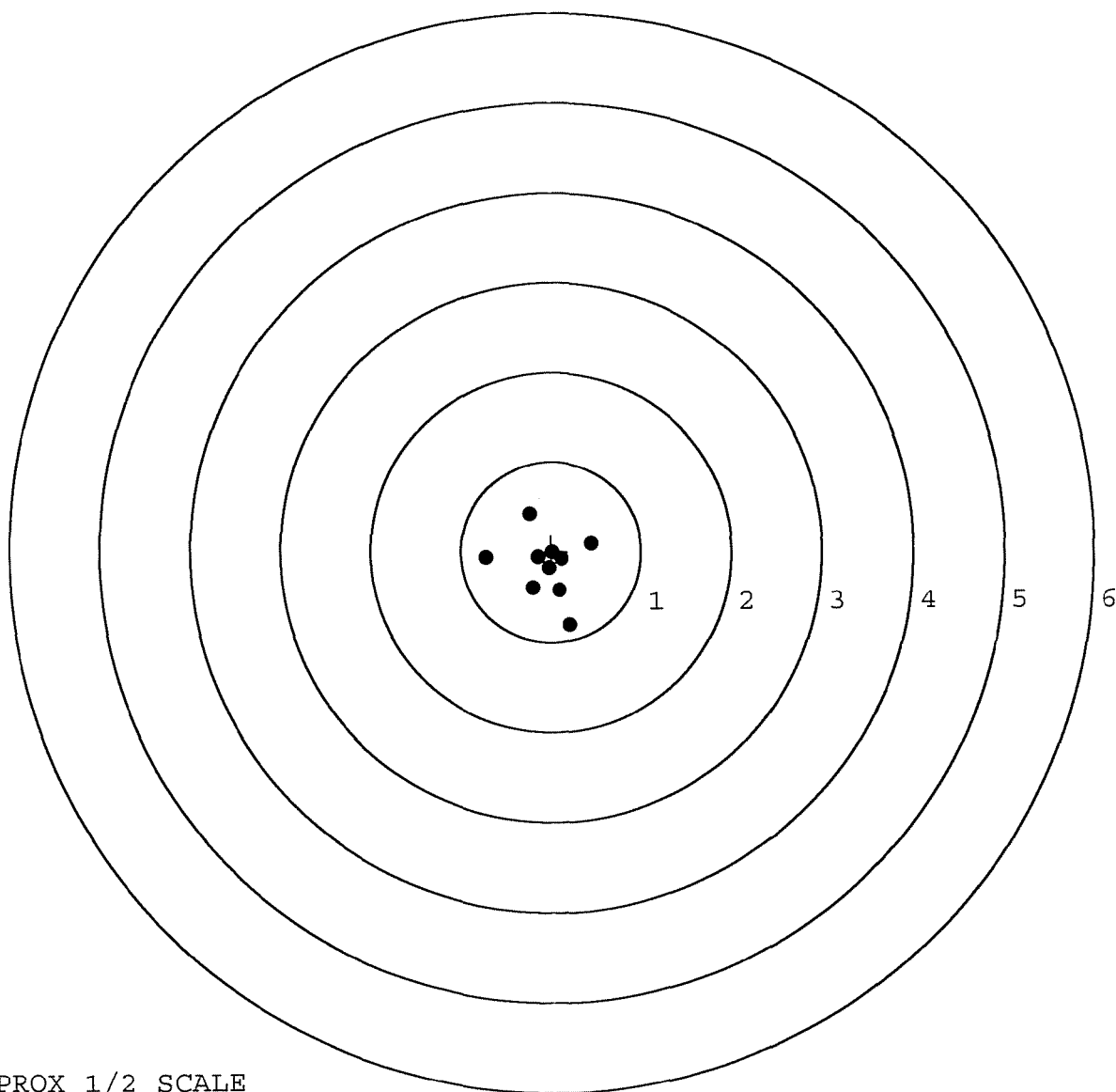


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594598. __0
TARGET NUMBER: 3
FILE DATE: 01/09/2002
FILE TIME: 02:25

X CENTROID: -0.049
Y CENTROID: -0.153
POA TO CENTROID: 0.161
HORZ SPREAD: 1.173
VERT SPREAD: 1.222
GROUP SPREAD: 1.303
MIN RADIUS: 0.036
MAX RADIUS: 0.702
MEAN RADIUS: 0.365
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.246	0.414
2:	-0.722	-0.061
3:	0.205	-0.808
4:	-0.209	-0.405
5:	0.087	-0.429
6:	-0.147	-0.061
7:	0.114	-0.086
8:	0.451	0.099
9:	0.013	-0.012
10:	-0.032	-0.185

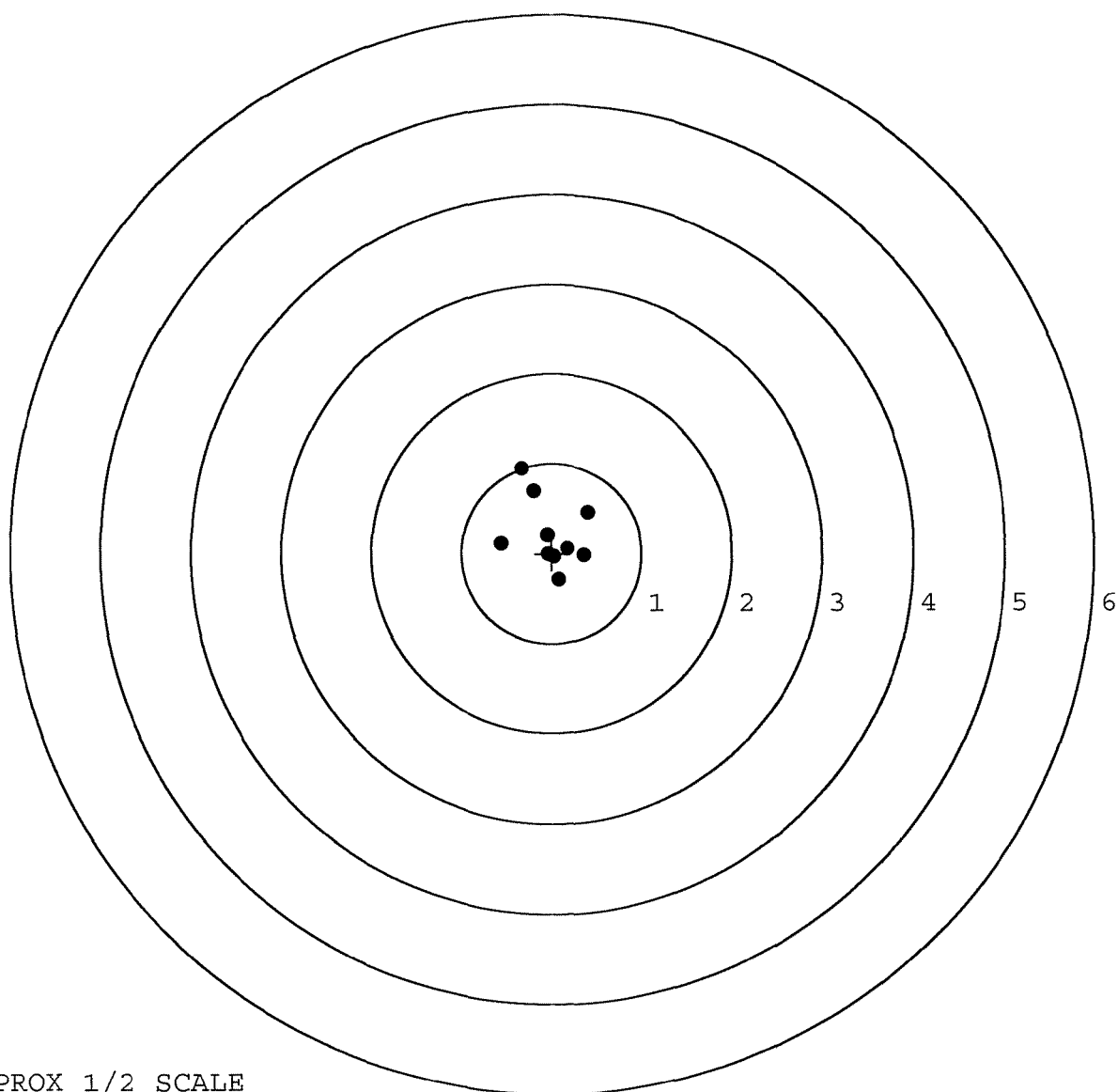


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594598. __0
TARGET NUMBER: 4
FILE DATE: 01/09/2002
FILE TIME: 02:25

X CENTROID: -0.016
Y CENTROID: 0.212
POA TO CENTROID: 0.213
HORZ SPREAD: 0.962
VERT SPREAD: 1.231
GROUP SPREAD: 1.299
MIN RADIUS: 0.034
MAX RADIUS: 0.800
MEAN RADIUS: 0.406
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.338	0.944
2:	-0.206	0.691
3:	-0.561	0.118
4:	0.078	-0.287
5:	0.363	-0.018
6:	0.401	0.457
7:	-0.048	0.202
8:	-0.043	-0.008
9:	0.176	0.060
10:	0.022	-0.037

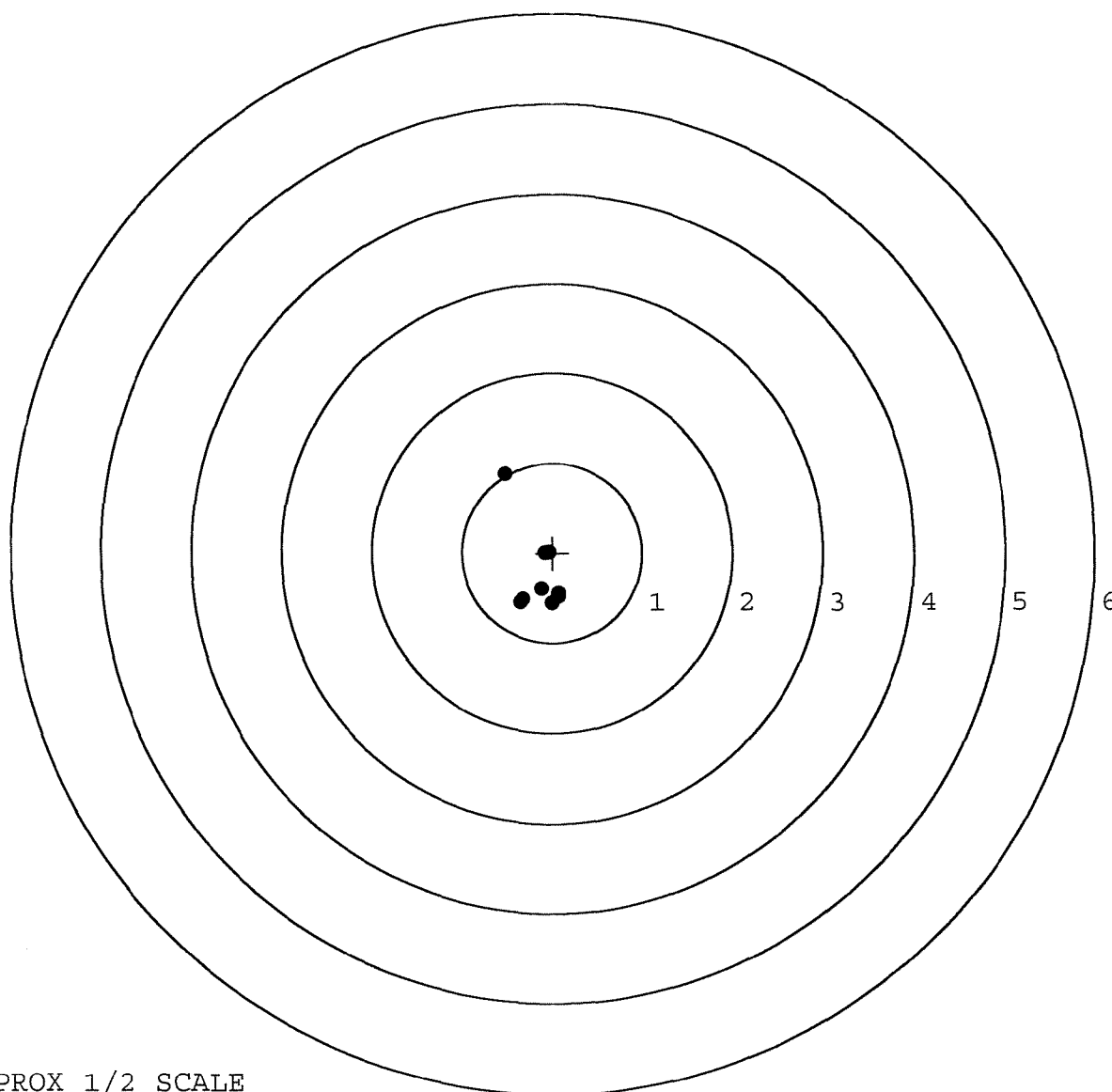


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6594598. __0
TARGET NUMBER: 5
FILE DATE: 01/09/2002
FILE TIME: 02:25

X CENTROID: -0.128
Y CENTROID: -0.256
POA TO CENTROID: 0.286
HORZ SPREAD: 0.602
VERT SPREAD: 1.440
GROUP SPREAD: 1.531
MIN RADIUS: 0.150
MAX RADIUS: 1.200
MEAN RADIUS: 0.379
IN 1 IN DIAMETER: 9
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.333	-0.515
2:	-0.356	-0.553
3:	0.072	-0.487
4:	-0.043	0.013
5:	-0.011	-0.565
6:	-0.123	-0.406
7:	0.066	-0.467
8:	-0.089	-0.002
9:	0.070	-0.450
10:	-0.530	0.875



TARGET APPROX 1/2 SCALE

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6594598	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			
 5716 C6594598			

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6594598

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/26/30	K.S.
600	Proof		12/26/30	K.S.
607	Check Headspace		12/26/30	K.S.
610	Dis-assemble Gun		12/26/30	K.S.
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	LL
617	Drill and Tap Sight Holes	1	10 9 1	FB
618	Polish Barrel	1	10 9 1	WB
620	Apply Coatings (Barrel Action)		1-7-91	HA
	Apply Coating (Bolt)		1-7-91	HA
625	Final Assembly		2/6/91	KJ
	A) Clean inside of Bolt Assembly		2/6/91	KJ
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/91	KJ
	C) Inspect Ejector Hole for Chamfer		2/6/91	KJ
	D) Oil Firing Pin Ass'y		2/6/91	KJ
	E) Adjust Trigger Pull to Min Setting and Stake		2/7/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/7/91	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			2/7/91	WB
	H) Trigger Pull Test & Retainability						2/7/91	JK
	I) Firing Pin Indent	.0205	.020	.0205			2/7/91	WB
	J) Assemble Stock						2/7/91	JK
	K) Assemble Swivel Studs						2-25-91	JK
	L) Attach Front and Rear Sight Assemblies						2/7/91	JK
	M) Iron Sight Alignment						2/7/91	JK
	N) Detach Front & Rear Sights & place in numbered container						2/7/91	JK
	O) Attach Scope to Rifle						2/7/91	JK
	P) Detach & Attach Scope 20 Times						2/7/91	JK
640	Gallery Target & Test						2-8-91	AC
	A) Time						2-8-91	AC
	B) Malfunctions						2-8-91	AC
	C) Pierced Primers						2-8-91	AC
	D) Optical Clarity of Scope						2-8-91	AC
645	Inspect for Live Ammo						2-8-91	AC
655	Final Inspection						2-25-91	AC
	A) Headspace							
	B) Trigger Pull	2.35	2.34	2.36	2.34	2.40	2/25/91	JK
	C) Function						2-25-91	JK
660	Pack						3-14-91	VF

MOD. _____		GA. CAL. _____	GUN # _____	ASSEM. # _____
# TEST	DATE	MALFUNCTION/DEFECT		
	1st	Creep in trigger		KS
	2nd	Chips in stock		2/13/91
	3rd	Repaired Stk NEW F/C 2/18/91		KS
	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		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6594598

DATE 7/10/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.20	2.28	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.29	2.20	2.34	
PULL #3	2.33	2.22	2.31	2.36	
PULL #4	2.25	2.27	2.20	2.34	
PULL #5	2.32	2.18	2.23	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.40		
PULL #2	3.50	3.37		
PULL #3	3.27	3.50		
PULL #4	3.49	3.31		
PULL #5	3.28	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.12		4.26
PULL #2	4.22	4.17		4.46
PULL #3	4.25	4.39		4.35
PULL #4	4.19	4.34		4.34
PULL #5	4.23	4.42		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594598
8 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.153118
1 TO	2	.29129
1 TO	3	.450362
1 TO	4	.540856
1 TO	5	.565106

H₃ <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .084
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .219323

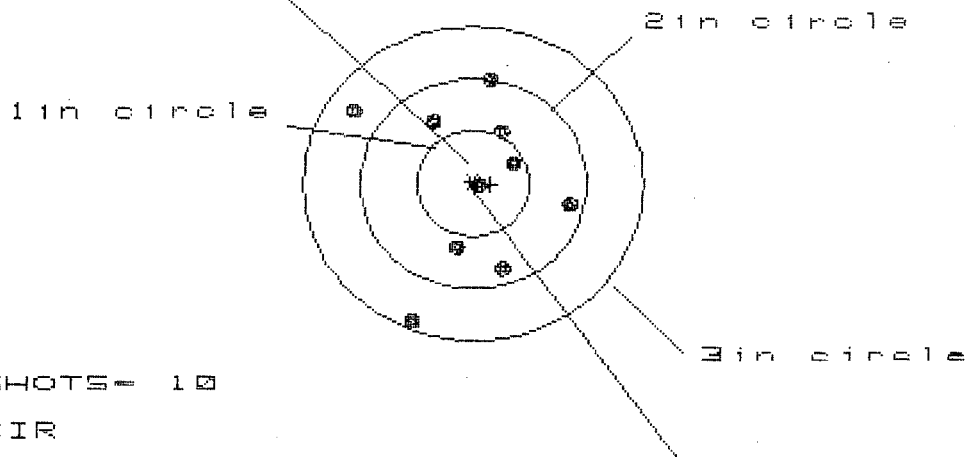
THE AMR FOR THIS RIFLE IS: .7962

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534598

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.856

VS= 2.365

GS= 2.472

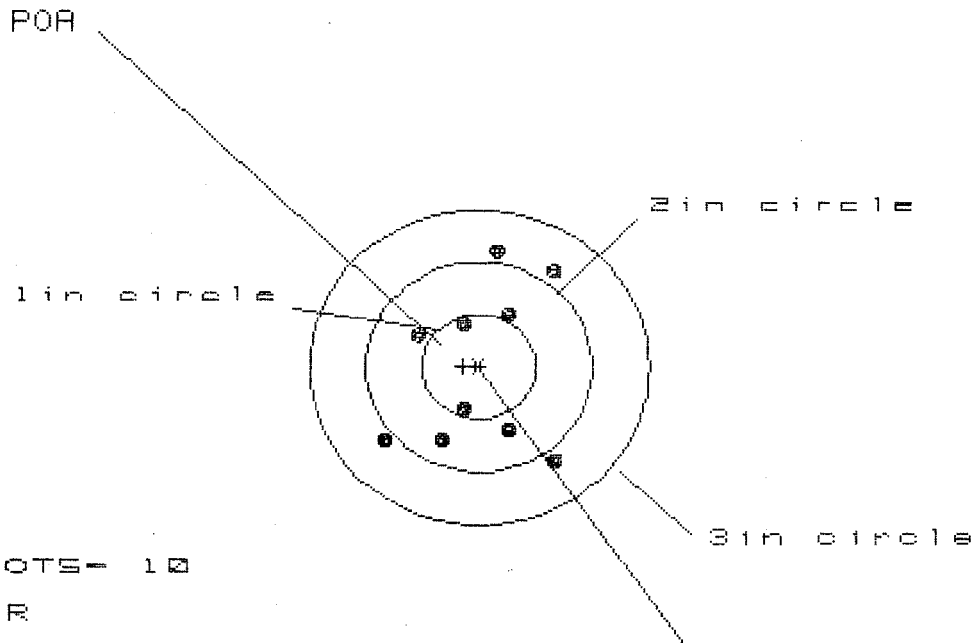
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.845	.787	.654
MINIMUM X	:	-1.011	-1.069	-.559
MAXIMUM Y	:	1.016	.866	.930
MINIMUM Y	:	-1.349	-.952	-.888
CENTROID X	:	-.153	-.095	.038
CENTROID Y	:	.006	.156	.092
POA TO CENTROID in.	:	.153	.183	.100
MIN RADIUS	:	.058	.161	.166
MEAN RADIUS	:	.773	.684	.601
MAX RADIUS	:	1.445	1.183	.930
HORIZONTAL SPREAD	:	1.856	1.856	1.213
VERTICAL SPREAD	:	2.365	1.818	1.818
EXTREME SPREAD	:	2.472	2.049	1.820
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594598

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 2

2in - 6

3in = 10

HS- 1.530

VS= 1.968

GS= 2.254

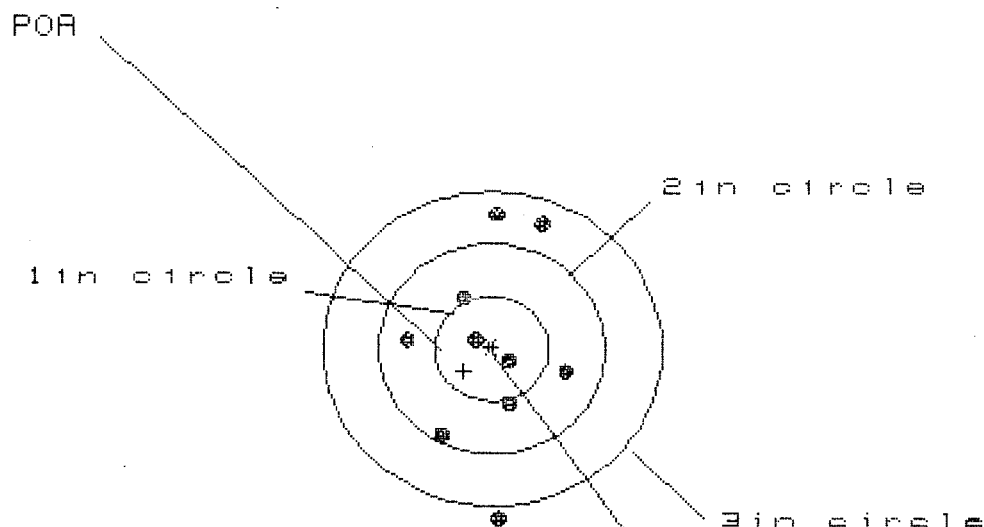
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.676	.751	.654
MINIMUM X	:	-.854	-.779	-.558
MAXIMUM Y	:	1.101	1.204	1.125
MINIMUM Y	:	-.867	-.764	-.843
CENTROID X	:	.138	.063	.160
CENTROID Y	:	-.007	-.110	-.031
POA TO CENTROID in.	:	.138	.127	.163
MIN RADIUS	:	.378	.263	.378
MEAN RADIUS	:	.787	.732	.702
MAX RADIUS	:	1.145	1.224	1.132
HORIZONTAL SPREAD	:	1.530	1.530	1.212
VERTICAL SPREAD	:	1.968	1.968	1.968
EXTREME SPREAD	:	2.254	2.087	2.039
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594598

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.434

VS= 2.979

GS= 2.980

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.696
MINIMUM X	-.738
MAXIMUM Y	1.324
MINIMUM Y	-1.655
CENTROID X	.248
CENTROID Y	.211
POA TO CENTROID in.	.326
MIN RADIUS	.197
MEAN RADIUS	.805
MAX RADIUS	1.657
HORIZONTAL SPREAD	1.434
VERTICAL SPREAD	2.979
EXTREME SPREAD	2.980
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8534598

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 1.581

VS= 2.083

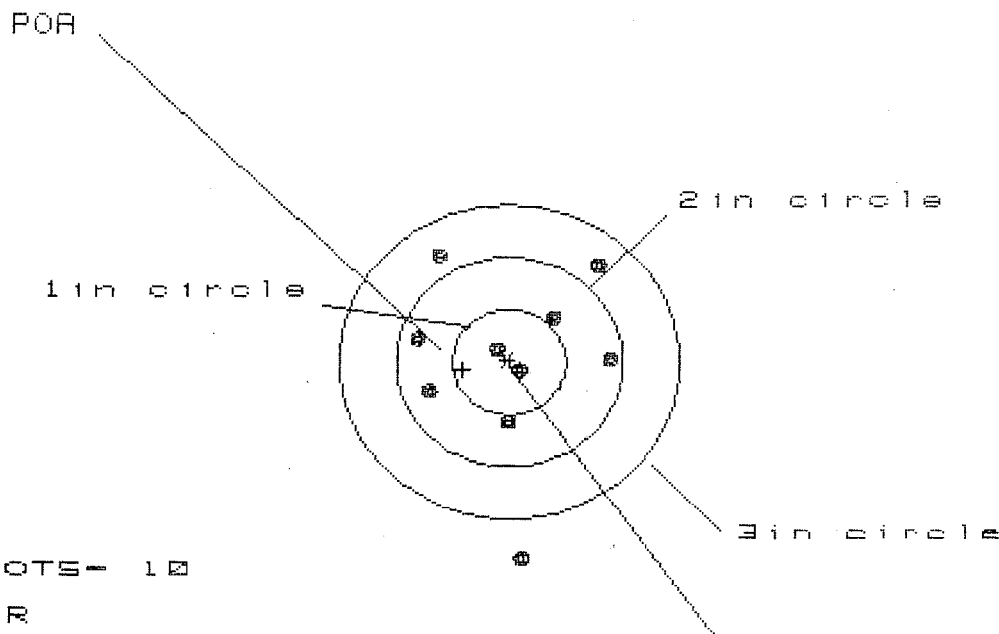
GS= 2.478

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.502	.382	.333
MINIMUM X	:	-1.079	-.822	-.871
MAXIMUM Y	:	.888	.771	.607
MINIMUM Y	:	-1.195	-1.312	-1.116
CENTROID X	:	.372	.492	.541
CENTROID Y	:	.136	.253	.417
POA TO CENTROID in.	:	.396	.553	.683
MIN RADIUS	:	.280	.120	.143
MEAN RADIUS	:	.807	.671	.559
MAX RADIUS	:	1.507	1.368	1.146
HORIZONTAL SPREAD	:	1.581	1.204	1.204
VERTICAL SPREAD	:	2.083	2.083	1.723
EXTREME SPREAD	:	2.478	2.191	1.942
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594598

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 1.632

VS= 2.834

GS= 2.917

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.864	.874	.977
MINIMUM X	:	-.768	-.758	-.655
MAXIMUM Y	:	1.009	.806	.897
MINIMUM Y	:	-1.825	-.752	-.661
CENTROID X	:	.408	.398	.295
CENTROID Y	:	.074	.277	.186
POA TO CENTROID in.	:	.414	.484	.349
MIN RADIUS	:	.122	.103	.045
MEAN RADIUS	:	.809	.694	.625
MAX RADIUS	:	1.827	1.095	1.022
HORIZONTAL SPREAD	:	1.632	1.632	1.632
VERTICAL SPREAD	:	2.834	1.558	1.558
EXTREME SPREAD	:	2.917	1.992	1.755
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	