

06349094

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: C6349094



M2400107678

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349094.__0
FILE DATE AND TIME: 08/03/2002 12:16

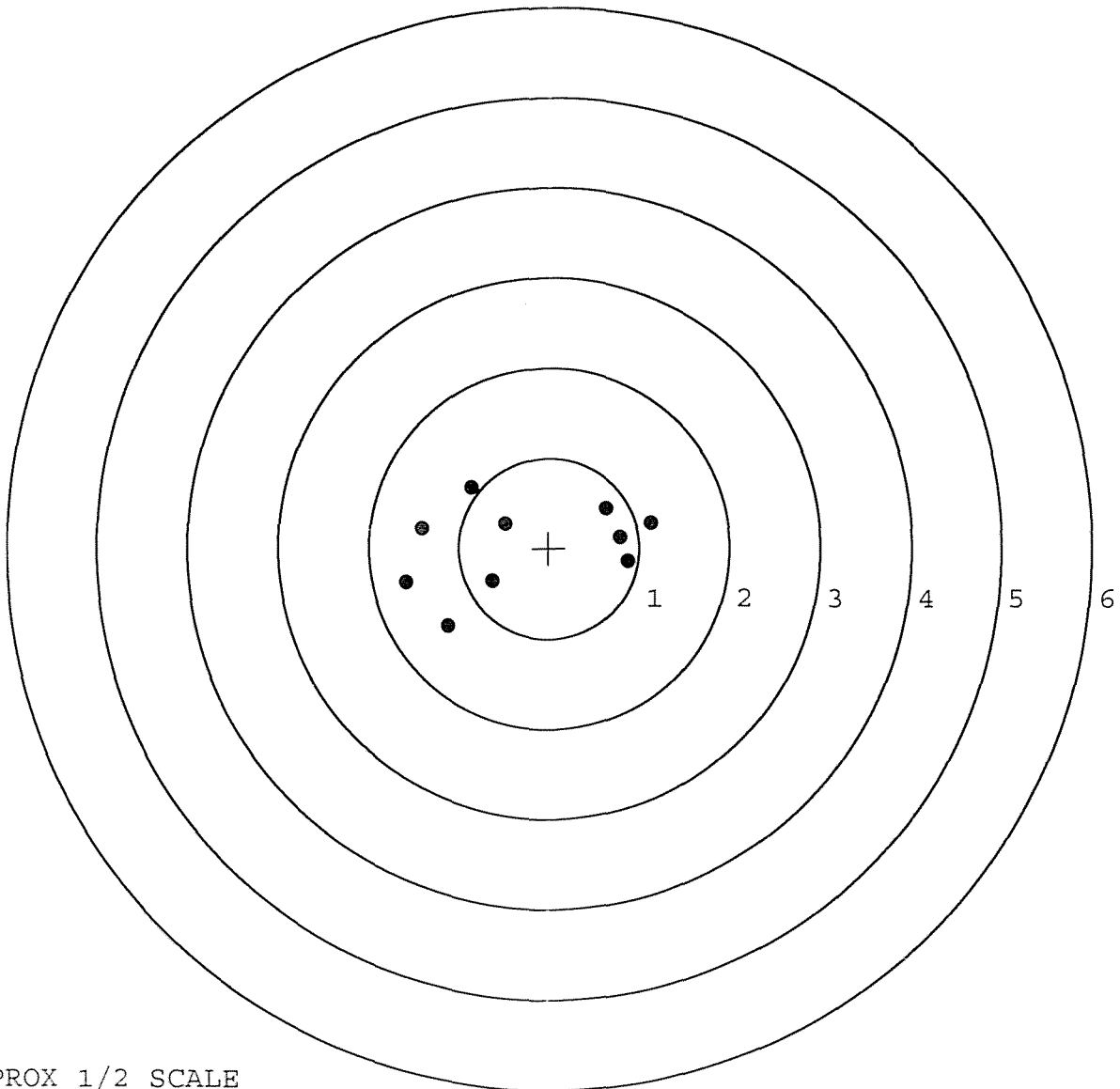
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.096
The Average Y Centroid of the Five Target Set:	-0.023
The Average Point of Impact of the Five Target Set:	0.099
The Average Mean Radius of the Five Target Set:	0.824
The Distance from POA to Centroid Target #1:	0.268
The Distance from Centroid Target #2 to Centroid Target #1:	0.290
The Distance from Centroid Target #3 to Centroid Target #1:	0.236
The Distance from Centroid Target #4 to Centroid Target #1:	0.274
The Distance from Centroid Target #5 to Centroid Target #1:	0.238

SERIAL NUMBER: C6349094. __0
TARGET NUMBER: 1
FILE DATE: 08/03/2002
FILE TIME: 12:16

POINT#	X	Y
1:	0.875	-0.151
2:	0.792	0.123
3:	1.124	0.282
4:	0.629	0.445
5:	-0.487	0.267
6:	-0.629	-0.369
7:	-1.115	-0.867
8:	-1.589	-0.391
9:	-1.407	0.211
10:	-0.866	0.667

X CENTROID: -0.267
Y CENTROID: 0.022
POA TO CENTROID: 0.268
HORZ SPREAD: 2.713
VERT SPREAD: 1.534
GROUP SPREAD: 2.795
MIN RADIUS: 0.329
MAX RADIUS: 1.415
MEAN RADIUS: 1.014
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 10

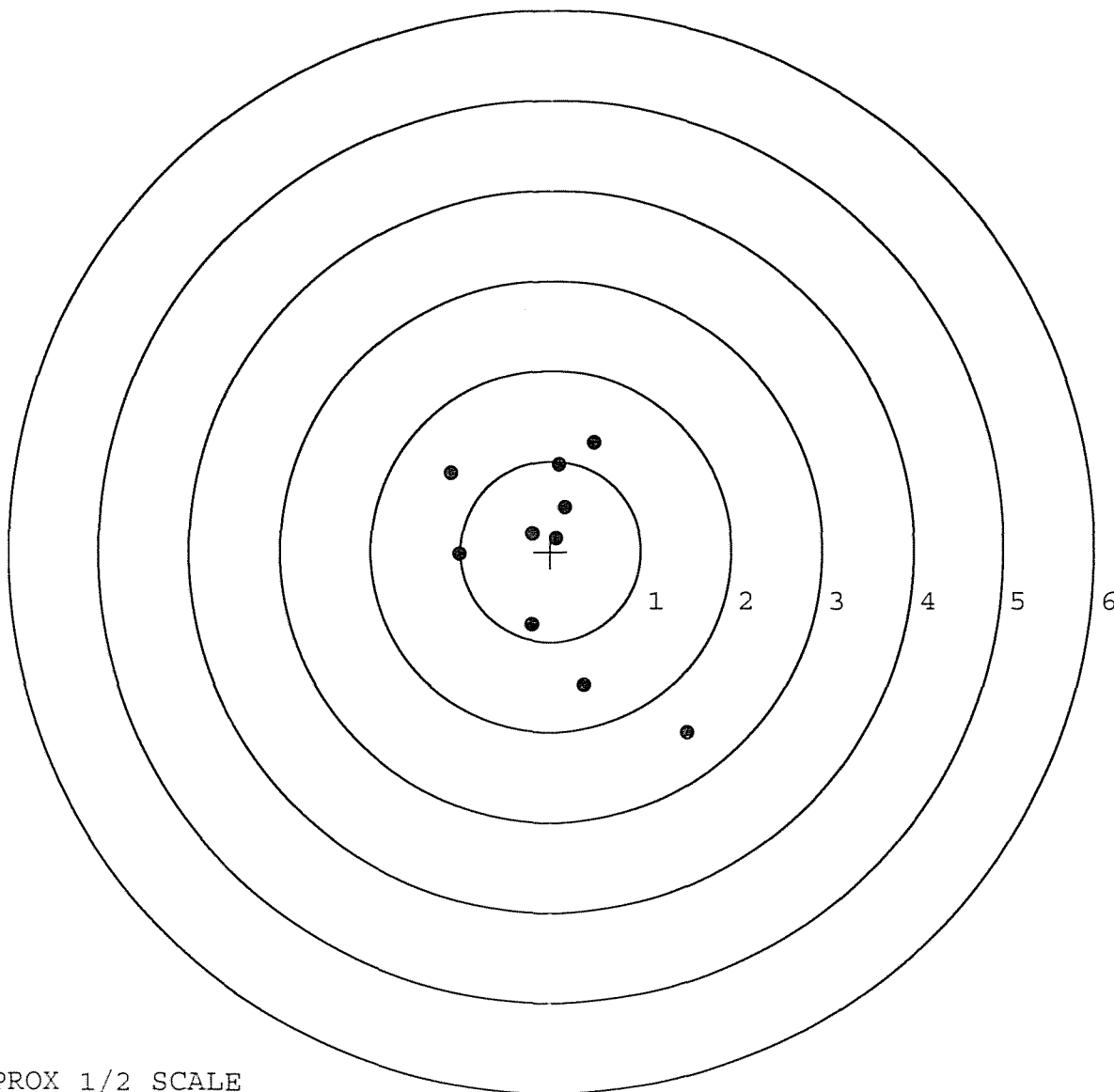


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349094. __0
TARGET NUMBER: 2
FILE DATE: 08/03/2002
FILE TIME: 12:16

POINT#	X	Y
1:	1.515	-2.009
2:	0.368	-1.487
3:	-0.211	-0.817
4:	0.062	0.153
5:	0.158	0.487
6:	0.088	0.961
7:	0.478	1.199
8:	-1.111	0.862
9:	-1.007	-0.035
10:	-0.204	0.199

X CENTROID: 0.014
Y CENTROID: -0.049
POA TO CENTROID: 0.051
HORZ SPREAD: 2.626
VERT SPREAD: 3.208
GROUP SPREAD: 3.891
MIN RADIUS: 0.207
MAX RADIUS: 2.469
MEAN RADIUS: 1.065
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 9

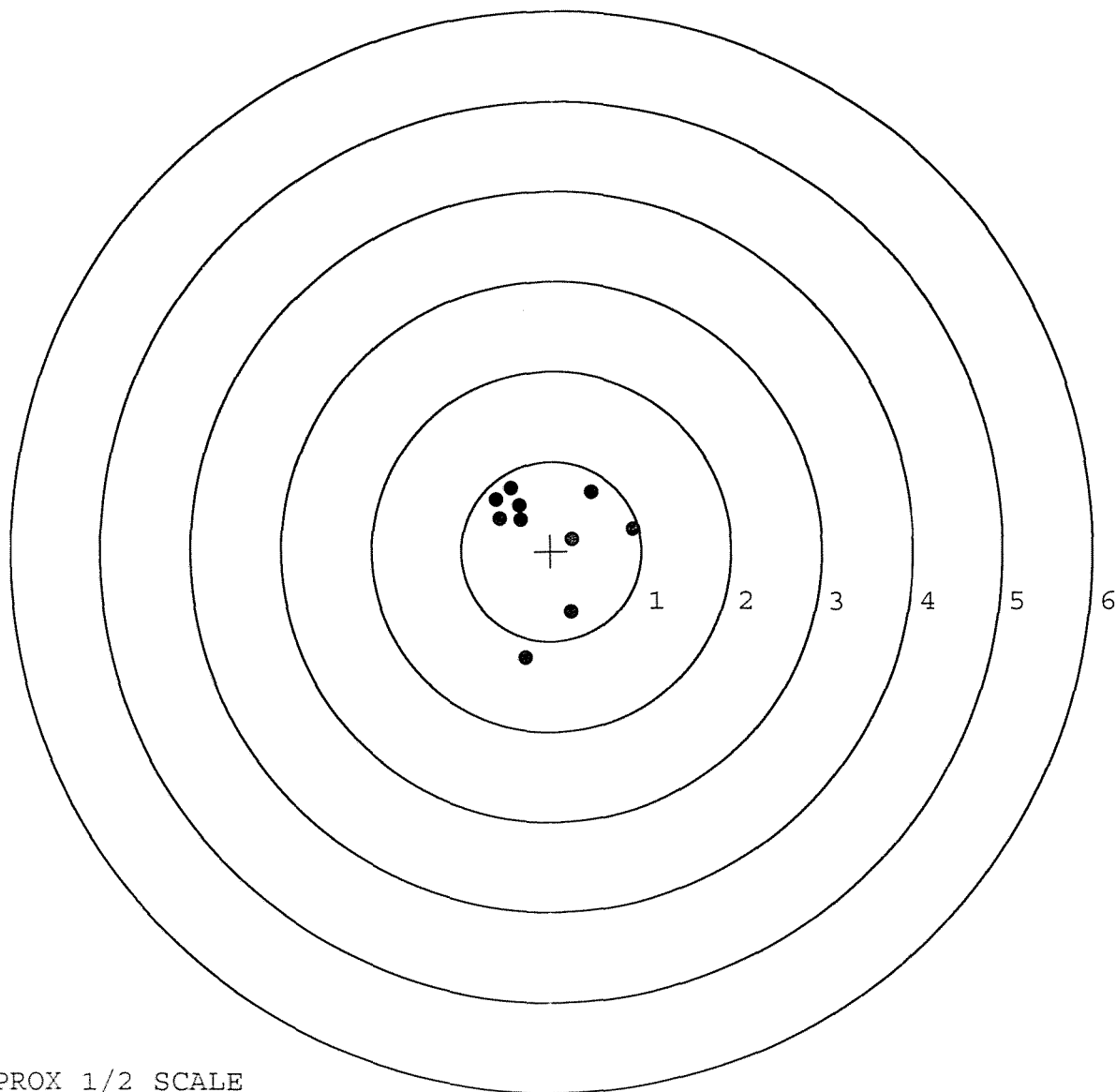


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349094. __0
TARGET NUMBER: 3
FILE DATE: 08/03/2002
FILE TIME: 12:16

POINT#	X	Y
1:	0.232	-0.681
2:	-0.285	-1.190
3:	0.234	0.131
4:	0.445	0.660
5:	0.903	0.250
6:	-0.452	0.706
7:	-0.618	0.577
8:	-0.357	0.510
9:	-0.576	0.365
10:	-0.342	0.348

X CENTROID: -0.082
Y CENTROID: 0.168
POA TO CENTROID: 0.186
HORZ SPREAD: 1.521
VERT SPREAD: 1.896
GROUP SPREAD: 1.989
MIN RADIUS: 0.317
MAX RADIUS: 1.373
MEAN RADIUS: 0.692
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

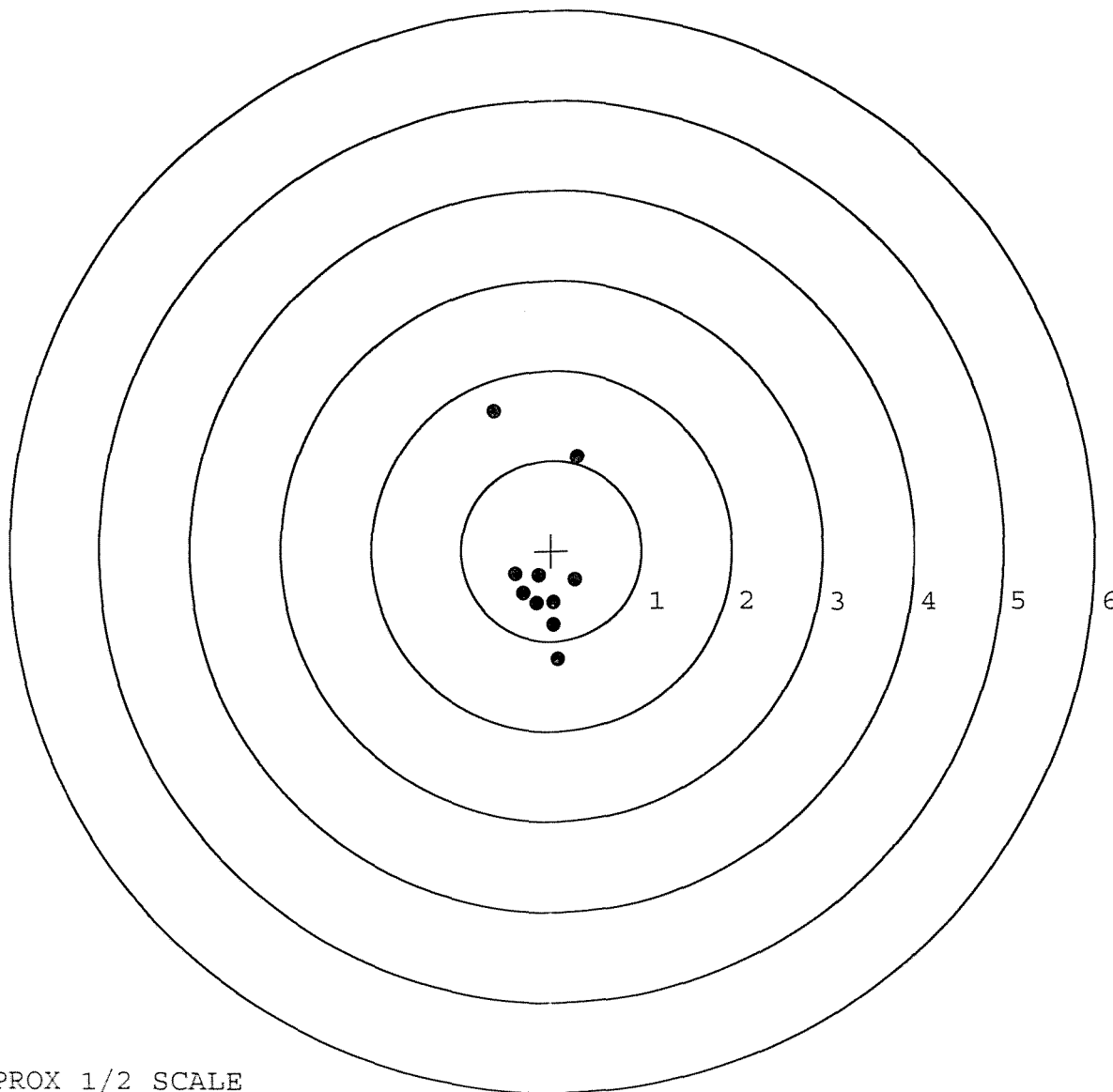


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349094. __0
TARGET NUMBER: 4
FILE DATE: 08/03/2002
FILE TIME: 12:16

POINT#	X	Y
1:	0.074	-1.205
2:	0.031	-0.822
3:	0.023	-0.577
4:	-0.171	-0.586
5:	-0.315	-0.479
6:	-0.406	-0.266
7:	0.262	-0.327
8:	0.286	1.038
9:	-0.641	1.542
10:	-0.140	-0.274

X CENTROID: -0.100
Y CENTROID: -0.196
POA TO CENTROID: 0.220
HORZ SPREAD: 0.927
VERT SPREAD: 2.747
GROUP SPREAD: 2.839
MIN RADIUS: 0.088
MAX RADIUS: 1.820
MEAN RADIUS: 0.672
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

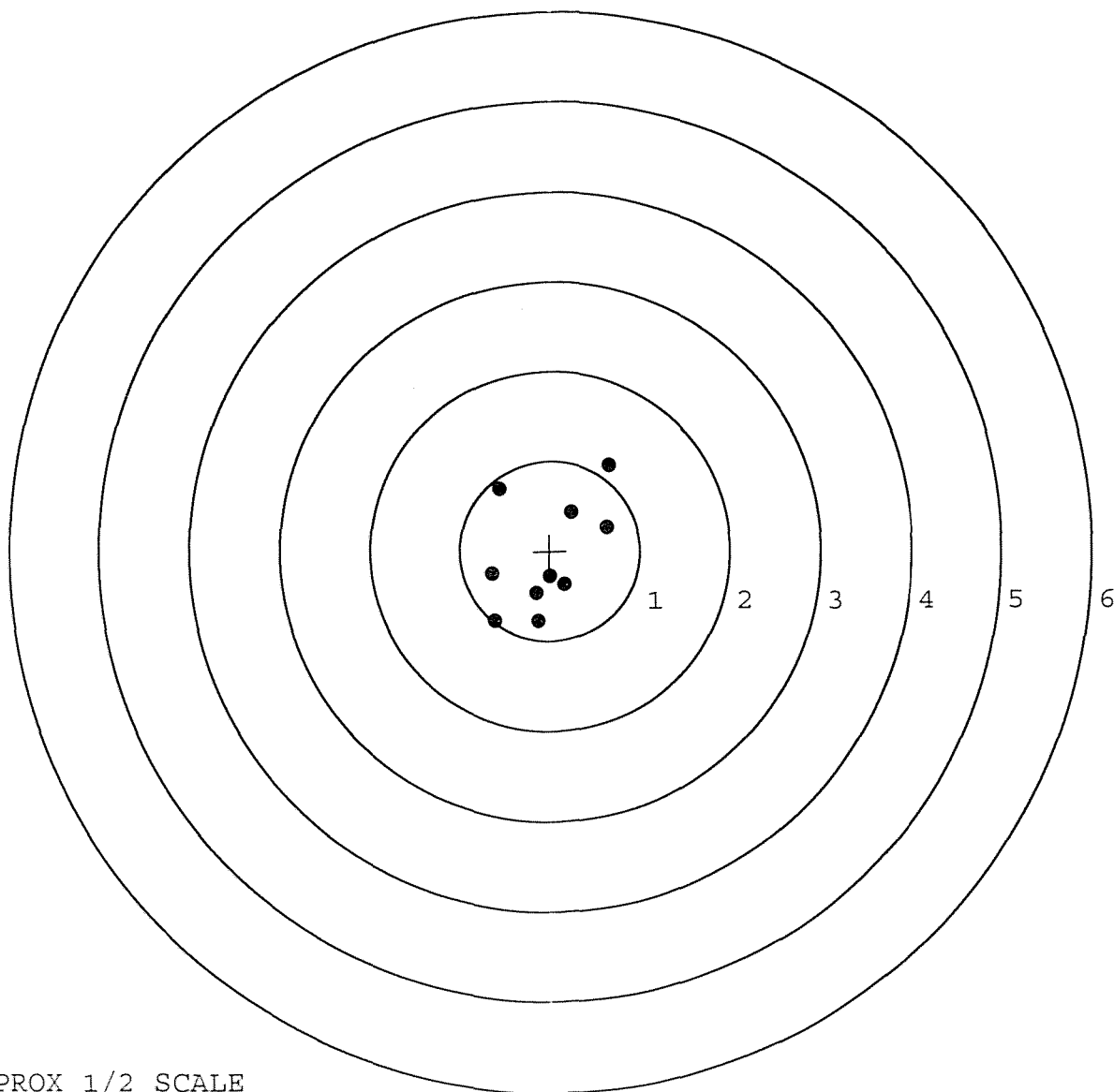


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349094. __0
TARGET NUMBER: 5
FILE DATE: 08/03/2002
FILE TIME: 12:16

X CENTROID: -0.044
Y CENTROID: -0.061
POA TO CENTROID: 0.075
HORZ SPREAD: 1.306
VERT SPREAD: 1.734
GROUP SPREAD: 2.147
MIN RADIUS: 0.229
MAX RADIUS: 1.231
MEAN RADIUS: 0.677
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.619	-0.776
2:	-0.646	-0.249
3:	-0.137	-0.785
4:	0.627	0.262
5:	0.237	0.427
6:	0.660	0.949
7:	-0.561	0.697
8:	-0.003	-0.286
9:	0.163	-0.376
10:	-0.158	-0.472



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: C10349094 DATE REC'D: 7/12/02 DATE RET'D: 8/16/02

AUDITOR: RL

Item:

BARREL ASSY.

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BLOCK
☒ REAR SIGHT BLOCK
☒ SCREWS
☐ FINISH

SCOPE ASSY.

☐ SCOPE
☐ SCOPE RINGS
☐ MOUNTING SCREWS
☐ MOUNTING BASE
☐ SCREWS
☐ FINISH
☐ LOOSENESS
☐ CLARITY

MISC.

☐ DD-250
☐ BAR CODE
☐ PACKAGING

Item:

STOCK ASSY.

☒ STOCK
☒ SLING SWIVEL STUDS
☒ ADJUSTABLE BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR/FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION
☒ SET

Comments: _____

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

R & E NUMBER		49176	
SERIAL NUMBER		C6349094	
LOG-IN DATE		7/11/02	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/15/02	RL
560 A	RE-BARREL	7/15/02	RA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/19/02	RL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	RL
610	DIS-ASSEMBLE GUN	7/22/02	RL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	MAGNA-FLUX INSPECTED 7/23/02	TD
618	ROTO-BLAST	JUL 23 2002 7/25/02	KO
620	APPLY COATINGS	RA 7-26	TA
625 A	FINAL ASSEMBLY	RA 8/1/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-1-02	AC
655	FINAL INSPECT	8/5/02	RL
660	PACK	8-5-02	RA
		SHIP DATE	
QAR INSPECTION DATE			

GUN SERIAL # C6349094

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	AC
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		10/13/89	KCR
	Magnaflux Bolt		10/13/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		LB
618	Polish Barrel RB	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/89	WS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4		4		4	11/1/89	gcl
	G) Safety Off Force	3		3		3	11/1/89	gcl
	H) Trigger Pull Test & Retainability						11/1/89	WLB
	I) Firing Pin Indent	.0215		.022		.022	11/1/89	gcl
	J) Assemble Stock						11/2/89	RW
	K) Assemble Swivel Studs						6/10/89	JS
	L) Attach Front and Rear Sight Assemblies						11/2/89	RW
	M) Iron Sight Alignment						11/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/2/89	RW
	O) Attach Scope to Rifle						11/2/89	gcl
	P) Detach & Attach Scope 20 Times						11/2/89	gcl
640	Gallery Target & Test						11-3-89	AC
	A) Time						11-3-89	AC
	B) Malfunctions						11-3-89	AC
	C) Pierced Primers						11-3-89	AC
	D) Optical Clarity of Scope						11-3-89	AC
645	Inspect for Live Ammo						11-3-89	AC
655	Final Inspection							
	A) Headspace						6/10/89	JS
	B) Trigger Pull	233	241	243	249	243	6/10/89	JS
	C) Function						6/10/89	JS
660	Pack						14/06/89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6349094

DATE 3-26-90

TESTER J. J.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.47		2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.44		2.44	
PULL #3	2.47	2.41		2.40	
PULL #4	2.47	2.48		2.43	
PULL #5	2.44	2.46		2.44	
TOTAL	12.29	12.26		12.18	
AVG.	2.458	2.452		2.436	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.31		
PULL #2	3.25	3.32		
PULL #3	3.28	3.24		
PULL #4	3.34	3.29		
PULL #5	3.30	3.28		
TOTAL	16.50	16.44		
AVG.	3.3	3.288		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.40		
PULL #2	4.38	4.29		
PULL #3	4.34	4.33		
PULL #4	4.36	4.45		
PULL #5	4.34	4.40		
TOTAL	21.99	21.87		
AVG.	4.398	4.374		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349094
3 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.0960052
1 TO	2	.739354
1 TO	3	.332989
1 TO	4	.103392
1 TO	5	.782934

2
3 <----POA
5

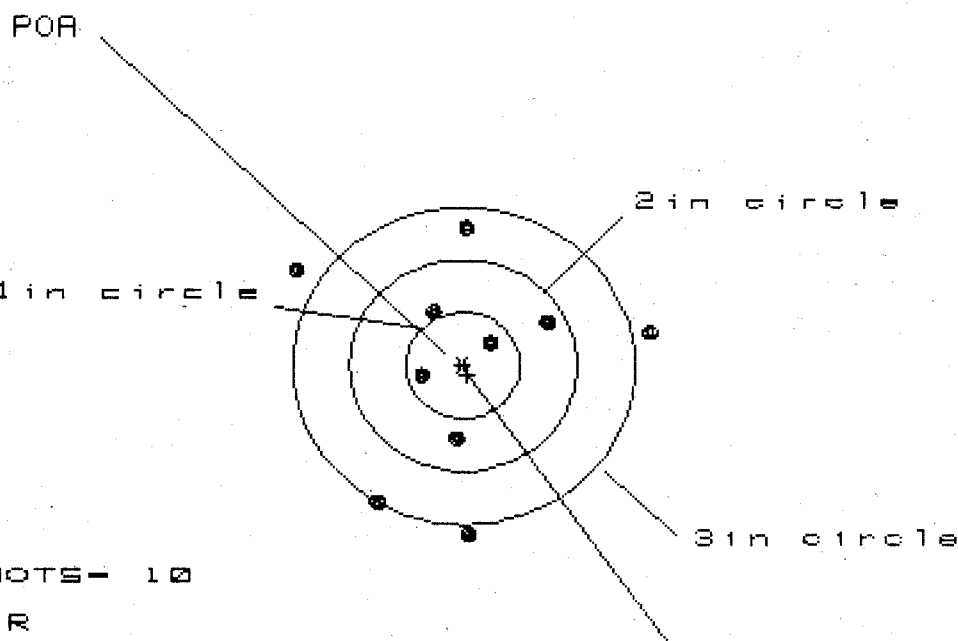
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0186
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0336
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0384047

THE AMR FOR THIS RIFLE IS: .9884

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349094

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in = 7

HS- 3.116

VS- 2.838

GS- 3.169

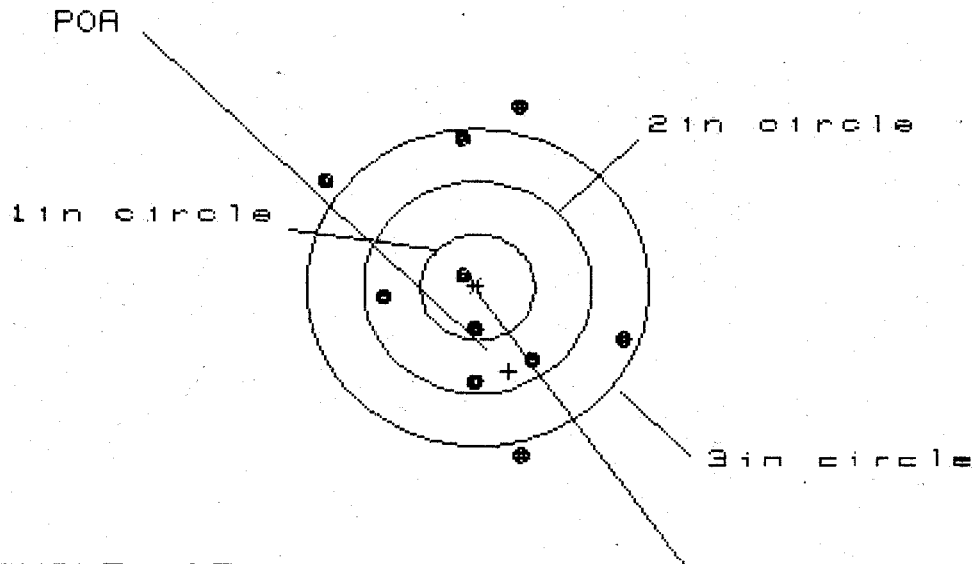
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.682	.952	.796
MINIMUM X	-1.434	-1.247	-.733
MAXIMUM Y	1.265	1.297	1.410
MINIMUM Y	-1.573	-1.541	-1.428
CENTROID X	-.036	-.223	-.067
CENTROID Y	.089	.057	-.056
POA TO CENTROID in.	.096	.230	.087
MIN RADIUS	.351	.185	.333
MEAN RADIUS	1.055	.973	.901
MAX RADIUS	1.707	1.562	1.432
HORIZONTAL SPREAD	3.116	2.199	1.529
VERTICAL SPREAD	2.838	2.838	2.838
EXTREME SPREAD	3.169	2.868	2.838
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349094

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.658

VS= 3.328

GS= 3.328

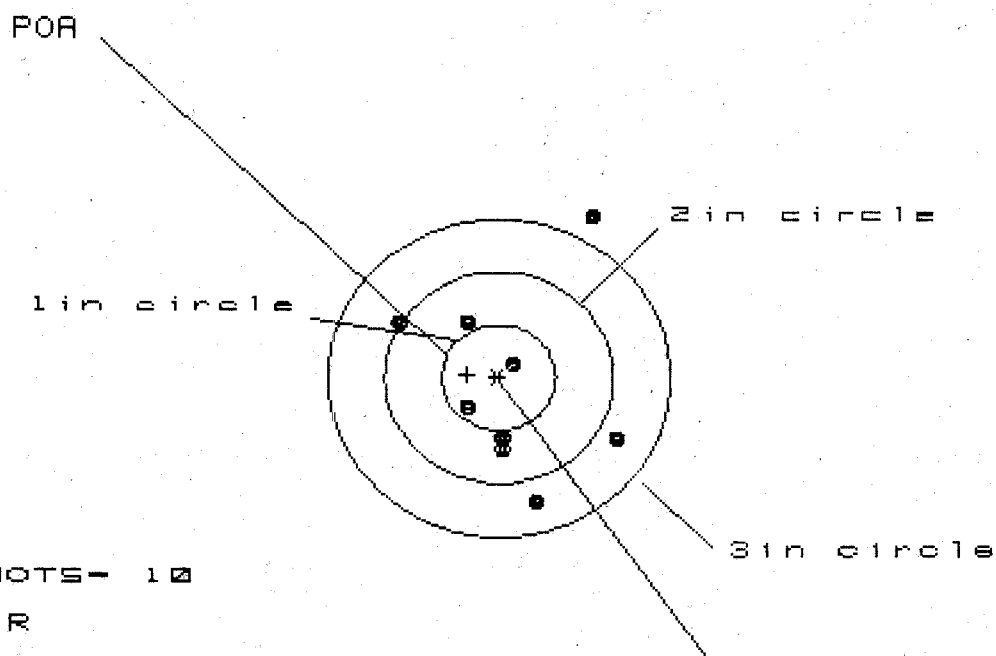
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.284	1.329	1.163
MINIMUM X	-1.374	-1.329	-.912
MAXIMUM Y	1.720	1.623	1.771
MINIMUM Y	-1.608	-1.416	-1.268
CENTROID X	-.274	-.319	-.152
CENTROID Y	.789	.597	.449
POA TO CENTROID in.	.835	.677	.474
MIN RADIUS	.136	.243	.203
MEAN RADIUS	1.106	.998	.875
MAX RADIUS	1.767	1.783	1.794
HORIZONTAL SPREAD	2.658	2.658	2.075
VERTICAL SPREAD	3.328	3.039	3.039
EXTREME SPREAD	3.328	3.147	3.090
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349094

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 1.891

VS= 2.662

GS= 2.717

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.005	1.099	1.149
MINIMUM X	:	-.886	-.792	-.742
MAXIMUM Y	:	1.511	.734	.611
MINIMUM Y	:	-1.151	-.983	-.640
CENTROID X	:	.275	.181	.131
CENTROID Y	:	-.030	-.198	-.075
POA TO CENTROID in.	:	.277	.268	.151
MIN RADIUS	:	.190	.189	.243
MEAN RADIUS	:	.863	.739	.699
MAX RADIUS	:	1.733	1.172	1.265
HORIZONTAL SPREAD	:	1.891	1.891	1.891
VERTICAL SPREAD	:	2.662	1.717	1.251
EXTREME SPREAD	:	2.717	2.208	2.208
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

3 Nov 1989

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 2.336

VS= 2.350

GS= 3.039

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.036	.892	.880
MINIMUM X	:	-1.300	-1.171	-1.059
MAXIMUM Y	:	1.022	1.127	1.015
MINIMUM Y	:	-1.328	-1.223	-1.335
CENTROID X	:	.033	.177	.066
CENTROID Y	:	.012	-.093	.019
POA TO CENTROID in.	:	.035	.200	.068
MIN RADIUS	:	.605	.703	.638
MEAN RADIUS	:	1.118	1.052	1.017
MAX RADIUS	:	1.607	1.383	1.438
HORIZONTAL SPREAD	:	2.336	2.063	1.940
VERTICAL SPREAD	:	2.350	2.350	2.350
EXTREME SPREAD	:	3.039	2.720	2.720
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349094

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

* OF SHOTS- 10

IN CIR

1 in - 0

2 in - 9

3 in - 10

HS- 1.403

VS- 1.922

GS- 2.327

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.749	.683	.644
MINIMUM X	:	-.654	-.720	-.635
MAXIMUM Y	:	1.333	1.040	.988
MINIMUM Y	:	-.589	-.441	-.493
CENTROID X	:	-.091	-.026	-.111
CENTROID Y	:	-.692	-.840	-.788
POA TO CENTROID in.	:	.698	.841	.796
MIN RADIUS	:	.599	.443	.511
MEAN RADIUS	:	.800	.695	.685
MAX RADIUS	:	1.459	1.089	1.015
HORIZONTAL SPREAD	:	1.403	1.403	1.279
VERTICAL SPREAD	:	1.922	1.481	1.481
EXTREME SPREAD	:	2.327	1.773	1.647
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	




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

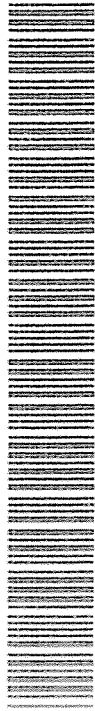
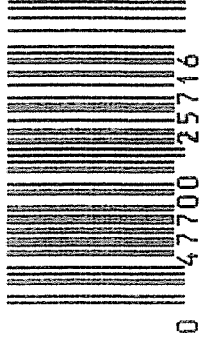
MODEL 700™ H24

SERIAL NO.
C6349094

ORDER NO.
5715

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

UPC



5715 C6349094