

C6225347

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Silent[®]

Serial Number: C6225347

Model: M24 SWS



RE00087058

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225347.___0
FILE DATE AND TIME: 11/12/2004 21:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.039
The Average Y Centroid of the Five Target Set:	-0.018
The Average Point of Impact of the Five Target Set:	0.044
The Average Mean Radius of the Five Target Set:	0.668
The Distance from POA to Centroid Target #1:	0.130
The Distance from Centroid Target #2 to Centroid Target #1:	0.131
The Distance from Centroid Target #3 to Centroid Target #1:	0.118
The Distance from Centroid Target #4 to Centroid Target #1:	0.136
The Distance from Centroid Target #5 to Centroid Target #1:	0.262

SERIAL NUMBER: C6225347. 0

TARGET NUMBER: 1

FILE DATE: 11/12/2004

FILE TIME: 21:56

POINT#	X	Y
1:	1.046	-1.720
2:	-0.617	-0.837
3:	-0.303	1.259
4:	0.305	-0.158
5:	0.189	0.169
6:	-0.038	0.253
7:	-0.461	0.027
8:	-0.186	-0.276
9:	-0.099	-0.017
10:	0.190	0.004

X CENTROID: 0.003

Y CENTROID: -0.130

POA TO CENTROID: 0.130

HORZ SPREAD: 1.663

VERT SPREAD: 2.979

GROUP SPREAD: 3.270

MIN RADIUS: 0.152

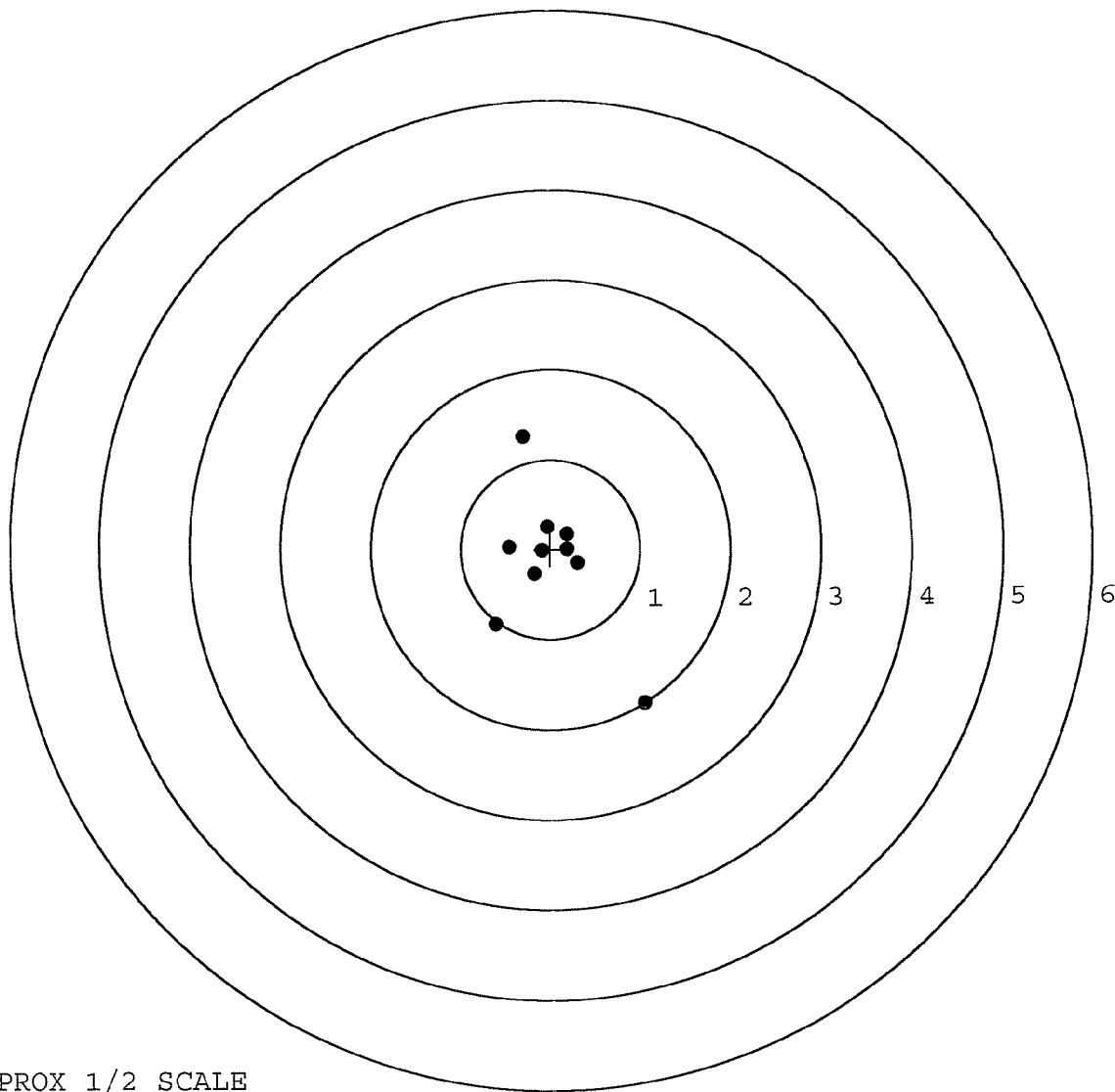
MAX RADIUS: 1.902

MEAN RADIUS: 0.641

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

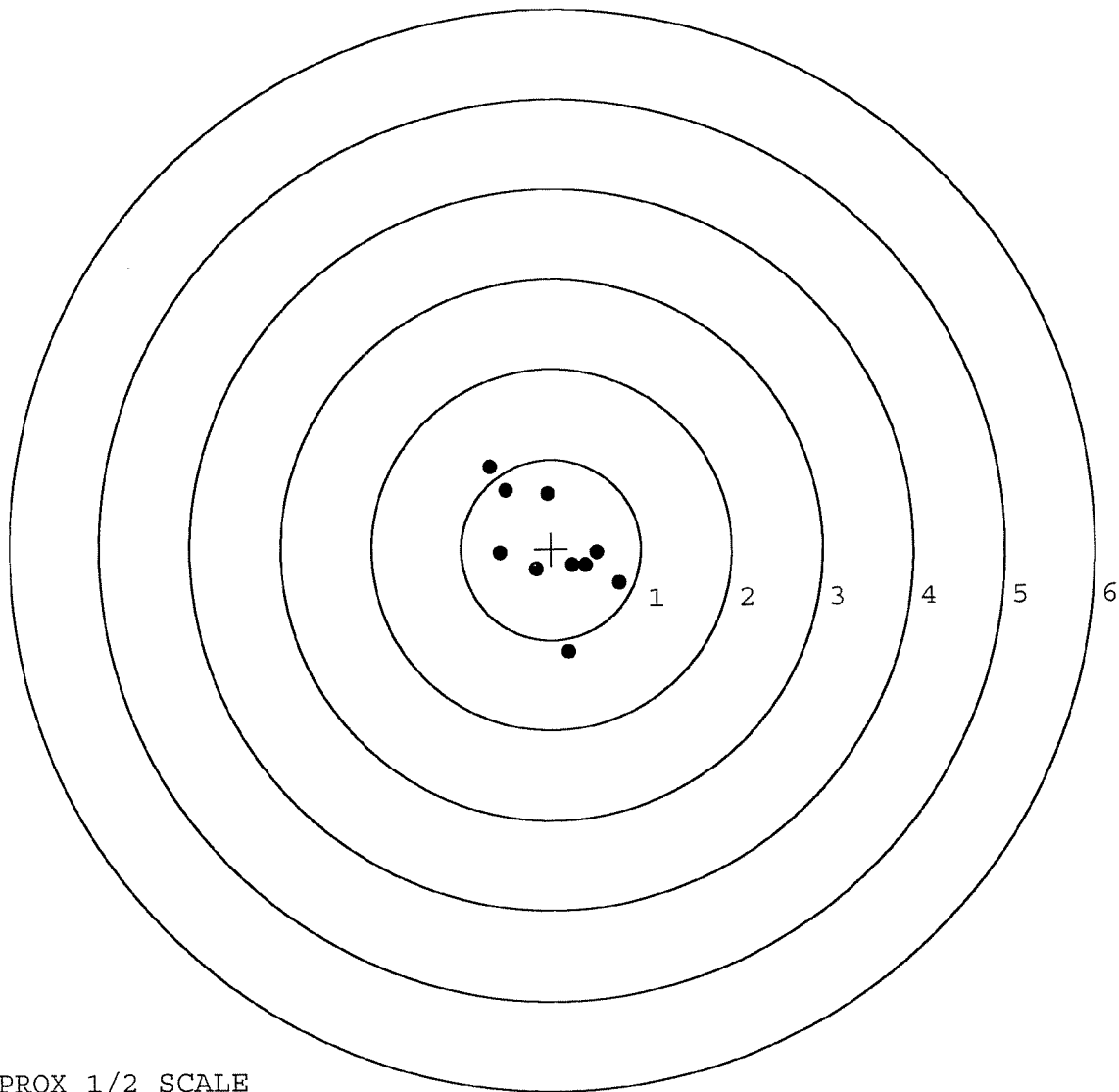


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225347. __0
 TARGET NUMBER: 2
 FILE DATE: 11/12/2004
 FILE TIME: 21:56

POINT#	X	Y
1:	0.188	-1.134
2:	-0.170	-0.227
3:	-0.567	-0.042
4:	-0.036	0.615
5:	-0.502	0.657
6:	-0.675	0.926
7:	0.236	-0.181
8:	0.511	-0.043
9:	0.755	-0.382
10:	0.386	-0.181

X CENTROID: 0.013
 Y CENTROID: 0.001
 POA TO CENTROID: 0.013
 HORZ SPREAD: 1.430
 VERT SPREAD: 2.060
 GROUP SPREAD: 2.233
 MIN RADIUS: 0.288
 MAX RADIUS: 1.153
 MEAN RADIUS: 0.666
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225347. 0

TARGET NUMBER: 3

FILE DATE: 11/12/2004

FILE TIME: 21:56

POINT#	X	Y
1:	1.135	-0.494
2:	0.482	-0.939
3:	0.471	0.581
4:	0.186	0.363
5:	0.051	-0.102
6:	-0.623	0.032
7:	-0.705	0.665
8:	-0.493	1.047
9:	-0.381	-0.540
10:	-0.222	-0.731

X CENTROID: -0.010

Y CENTROID: -0.012

POA TO CENTROID: 0.015

HORZ SPREAD: 1.840

VERT SPREAD: 1.986

GROUP SPREAD: 2.242

MIN RADIUS: 0.109

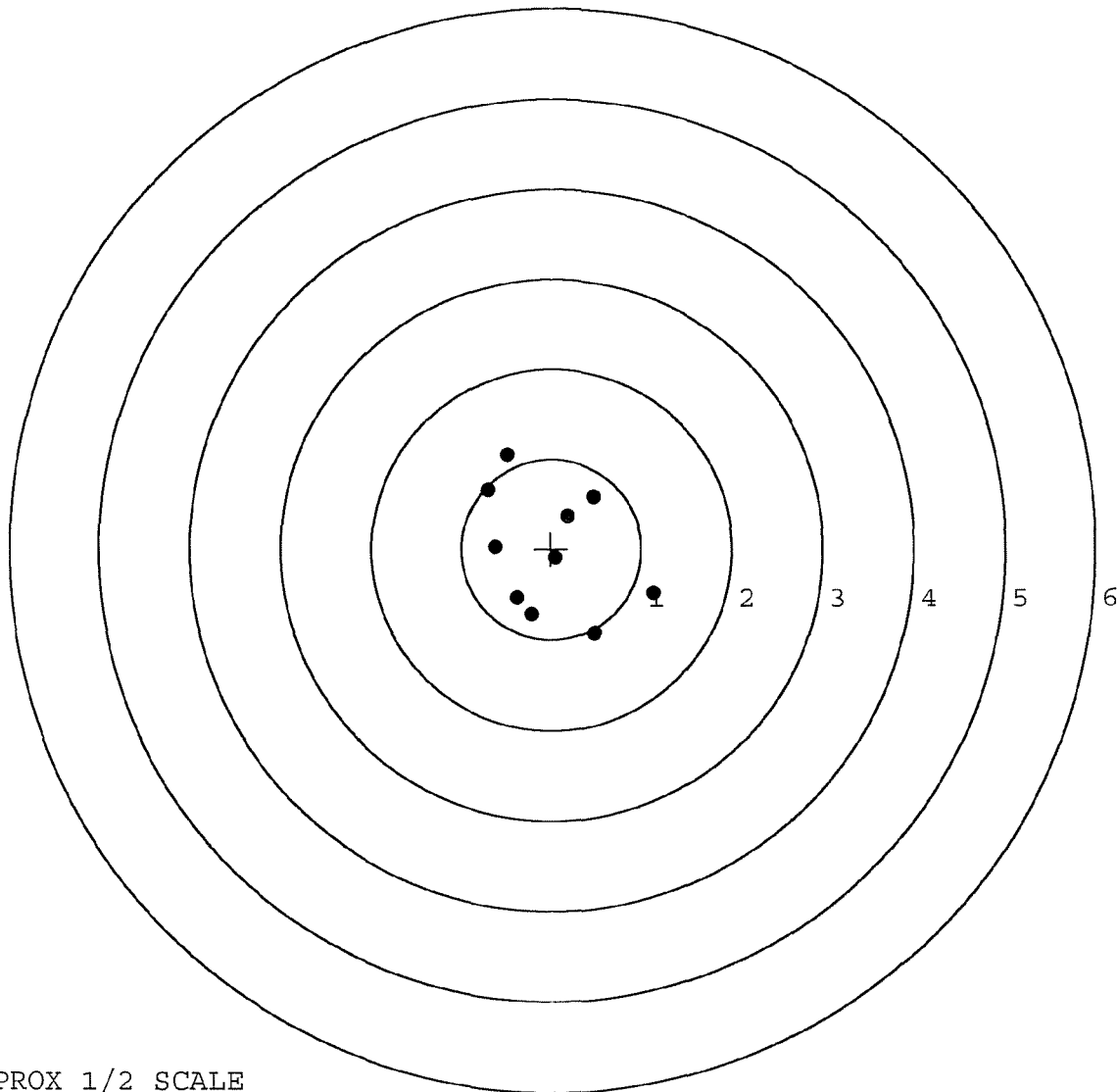
MAX RADIUS: 1.242

MEAN RADIUS: 0.773

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225347. __0

TARGET NUMBER: 4

FILE DATE: 11/12/2004

FILE TIME: 21:56

X CENTROID: -0.120

Y CENTROID: -0.070

POA TO CENTROID: 0.139

HORZ SPREAD: 1.799

VERT SPREAD: 1.473

GROUP SPREAD: 2.054

MIN RADIUS: 0.229

MAX RADIUS: 1.206

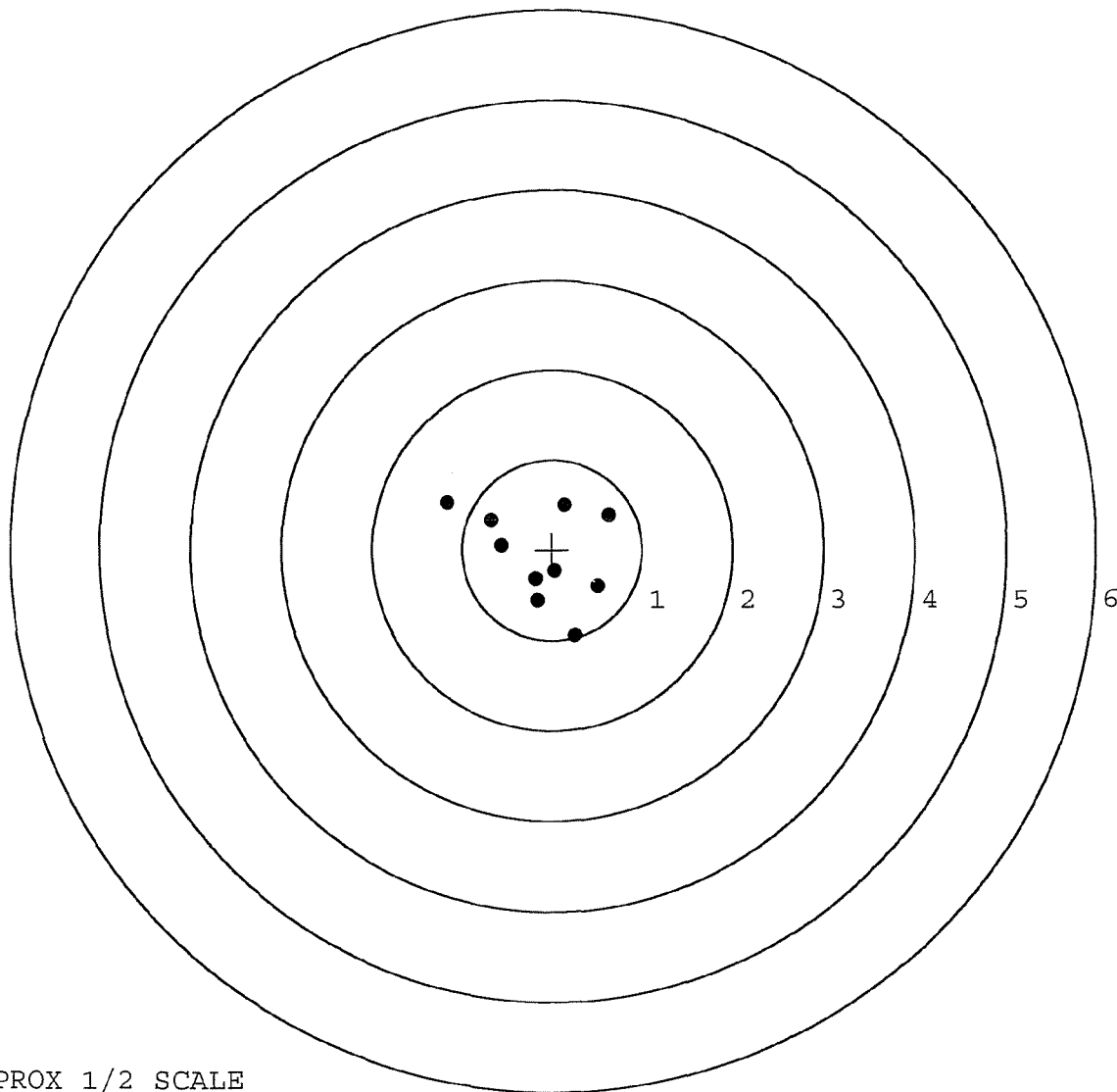
MEAN RADIUS: 0.651

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.260	-0.951
2:	0.509	-0.405
3:	0.628	0.383
4:	0.137	0.497
5:	-0.561	0.051
6:	-0.680	0.331
7:	-1.171	0.522
8:	0.033	-0.240
9:	-0.187	-0.323
10:	-0.167	-0.561



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225347. __0

TARGET NUMBER: 5

FILE DATE: 11/12/2004

FILE TIME: 21:56

POINT#	X	Y
1:	0.399	-0.920
2:	0.485	-0.527
3:	0.520	0.114
4:	0.306	0.418
5:	0.035	0.168
6:	-0.705	0.000
7:	-0.542	0.178
8:	-0.241	0.518
9:	-0.434	0.584
10:	-0.649	0.647

X CENTROID: -0.083

Y CENTROID: 0.118

POA TO CENTROID: 0.144

HORZ SPREAD: 1.225

VERT SPREAD: 1.567

GROUP SPREAD: 1.885

MIN RADIUS: 0.128

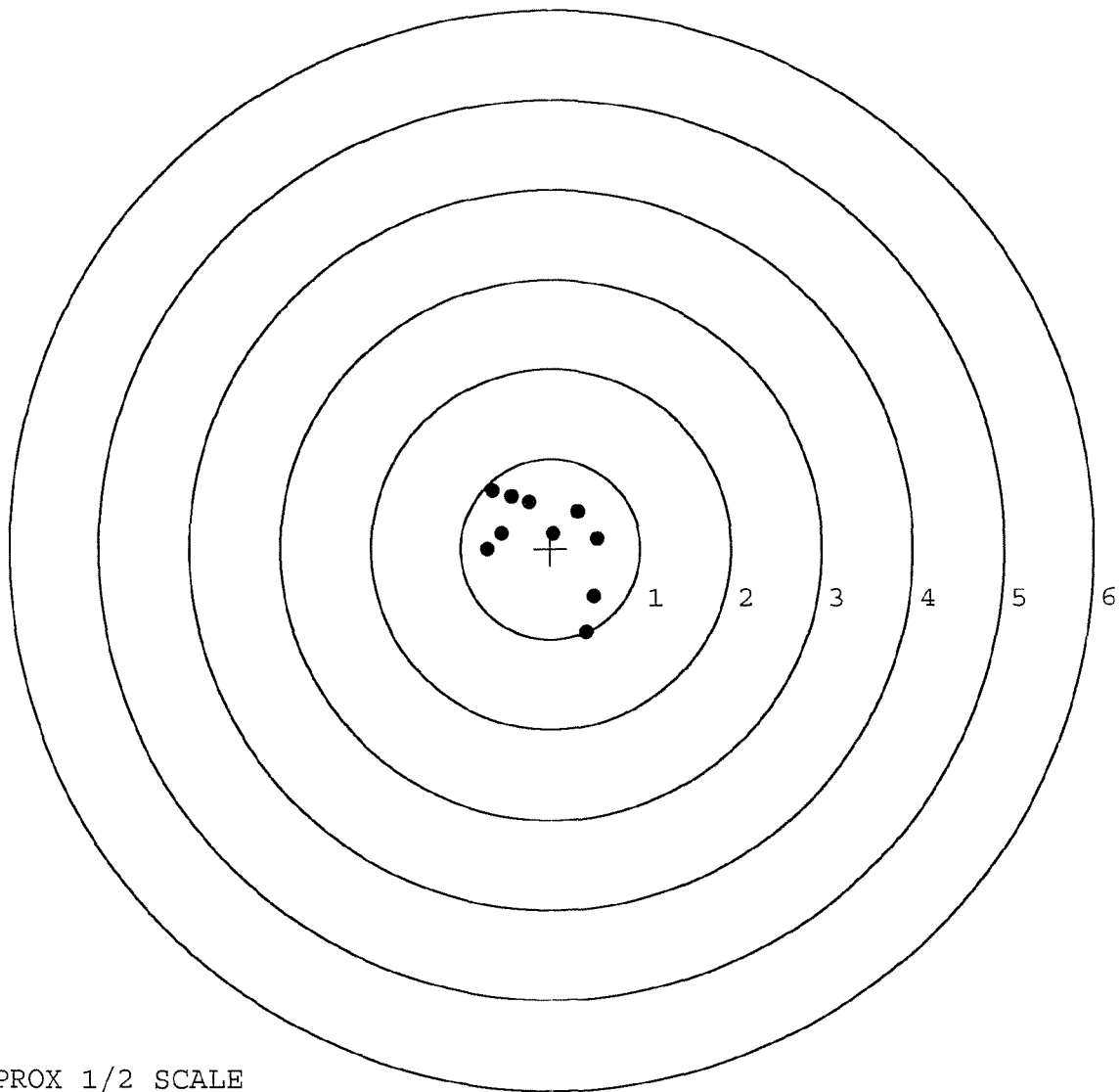
MAX RADIUS: 1.144

MEAN RADIUS: 0.611

IN 1 IN DIAMETER: 4

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	87058		
SERIAL NUMBER	C 6225347		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-28-04	AC
560 A	RE-BARREL	11-2-04	RTZ
B	DRILL AND TAP	11-4-04	TRW
575	ASSEMBLE	11-2-04	RTZ
600	PROOF	11-3-04	RTZ
605	CHECK HEADSPACE	11-3-04	RTZ
610	DIS-ASSEMBLE GUN	11-14-04	RTZ
612	MAGNAFLUX	OPERATOR	
615	ROLLMARK CALIBER	11-5-04	AB
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	HO
625 A	FINAL ASSEMBLY	11-11-04	RTZ
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-12-04	TRW
655	FINAL INSPECT	11-17-04	AC
660	PACK	11-17-04	RTZ
		SHIP DATE	
QAR INSPECTION DATE			

Remington[®]

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

DUPONT

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

MODEL 700TM M24

SERIAL NO. C6225347

ORDER NO. 5716

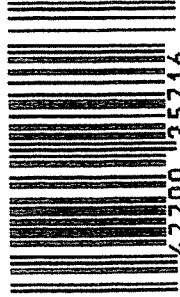
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6225347

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225347

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 12	89	RW
600	Proof	4 12	89	RW
607	Check Headspace	4 12	89	RW
610	Dis-assemble Gun	4 12	89	RW
612	Magnaflux Barrel Action		4/13/89	KCR
	Magnaflux Bolt		4/14/89	KCR
615	Rollmark Caliber		4/14/89	DS.
617	Drill and Tap Sight Holes	4 14	89	JB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4/19/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/20/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/20/89	RW
	C) Inspect Ejector Hole for Chamfer		4/20/89	RW
	D) Oil Firing Pin Ass'y		4/20/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/21/89	G.S.

op. #	BARBER - M24 0013349 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4-21-89	JL
	G) Safety Off Force	3	3	3			4/21/89	JL
	H) Trigger Pull Test & Retainability						4/21/89	B.E.
	I) Firing Pin Indent	.020	.020	.020			4/21/89	JL
	J) Assemble Stock						4/24/89	LW
	K) Assemble Swivel Studs						26 April 89	JS
	L) Attach Front and Rear Sight Assemblies						4/24/89	LW
	M) Iron Sight Alignment						4/24/89	LW
	N) Detach Front & Rear Sights & place in numbered container						4/24/89	LW
	O) Attach Scope to Rifle						4/24/89	JL
	P) Detach & Attach Scope 20 Times						4/24/89	JL
640	Gallery Target & Test	50 R	102L				4-25-89	AC
	A) Time						"	A
	B) Malfunctions						"	A
	C) Pierced Primers						"	A
	D) Optical Clarity of Scope						"	A
645	Inspect for Live Ammo						4-25-89	A
655	Final Inspection							
	A) Headspace						26 April 89	JS
	B) Trigger Pull	2.20	2.22	2.22	2.28	2.32	26 April 89	JS
	C) Function						26 April 89	JS
660	Pack						27 June 89	JS

BARBER - M24 0013350

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5347DATE 3/26/90TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.29	2.19	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.12	2.23	
PULL #3	2.26	2.19	2.24	
PULL #4	2.38	2.10	2.29	
PULL #5	2.38	2.21	2.16	
TOTAL	11.65	10.81	11.17	
AVG.	2.33	2.16	2.23	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.38	3.31	
PULL #2	3.48	3.33	
PULL #3	3.46	3.29	
PULL #4	3.43	3.16	
PULL #5	3.39	3.31	
TOTAL	17.14	16.40	
AVG.	3.43	3.28	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.09		
PULL #2	4.11	4.08		
PULL #3	4.09	4.05		
PULL #4	4.08	4.07		
PULL #5	4.06	4.06		
TOTAL	20.49	20.35		
AVG.	4.10	4.07		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225347
26 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.242986
1 TO	2	.586162
1 TO	3	.306961
1 TO	4	.250284
1 TO	5	.25224

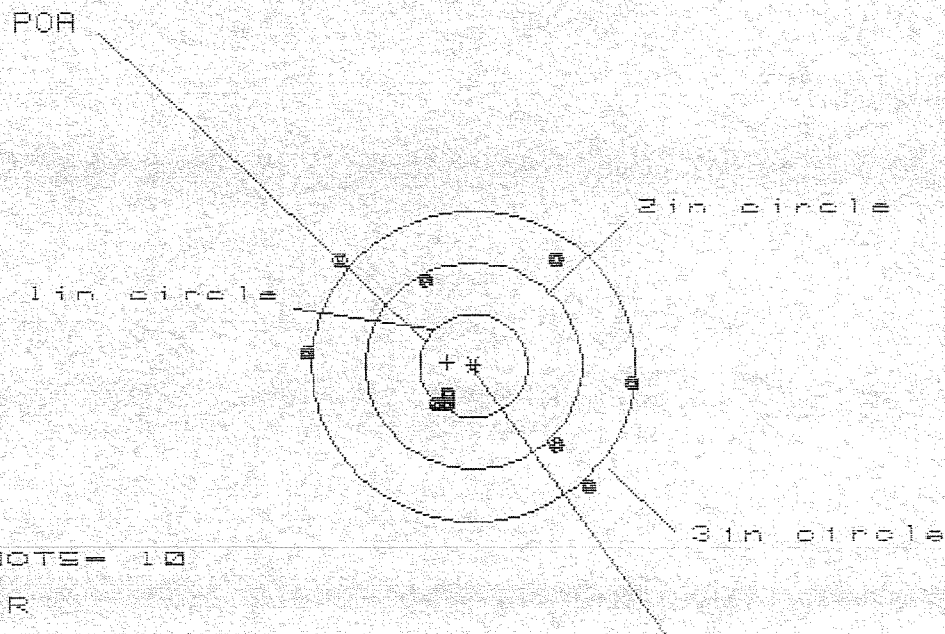
Σ (----POA)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .203
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0278
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .204895
THE AMR FOR THIS RIFLE IS: .9856

26 Apr 1989

FILE: /PATTERNING/CENTERFIRE_PATT/C6225347

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 2.997

VS = 2.200

GS = 3.197

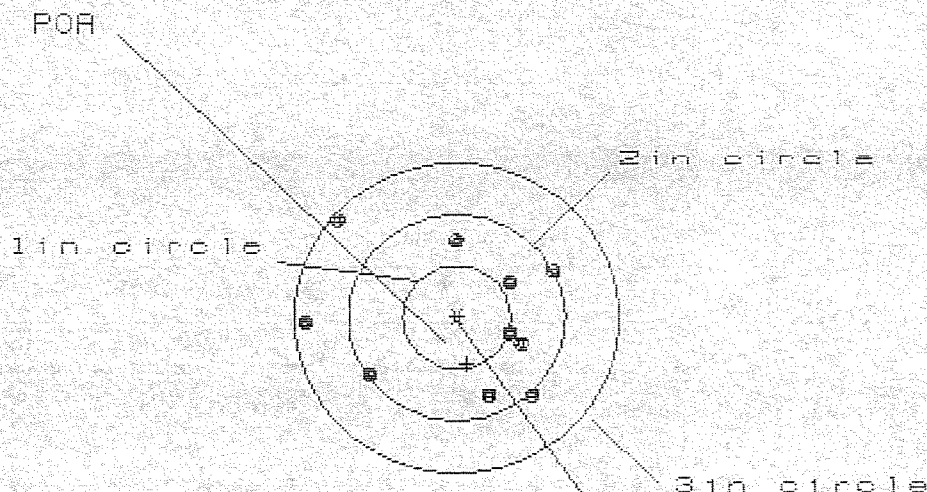
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.482	1.344	1.462
MINIMUM X	:	-1.515	-1.653	-1.535
MAXIMUM Y	:	1.079	1.153	1.028
MINIMUM Y	:	-1.121	-1.001	-0.797
CENTROID X	:	.241	.379	.261
CENTROID Y	:	-.031	-.151	-.026
POA TO CENTROID in.	:	.243	.408	.262
MIN RADIUS	:	.364	.432	.382
MEAN RADIUS	:	1.091	1.024	.968
MAX RADIUS	:	1.644	1.666	1.537
HORIZONTAL SPREAD	:	2.997	2.997	2.997
VERTICAL SPREAD	:	2.200	2.154	1.825
EXTREME SPREAD	:	3.197	3.006	3.006
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	4		
NUMBER IN THREE INCH CIRCLE =	:	7		

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8325347

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 6

3 in = 10

HS = 2.309

VS = 1.697

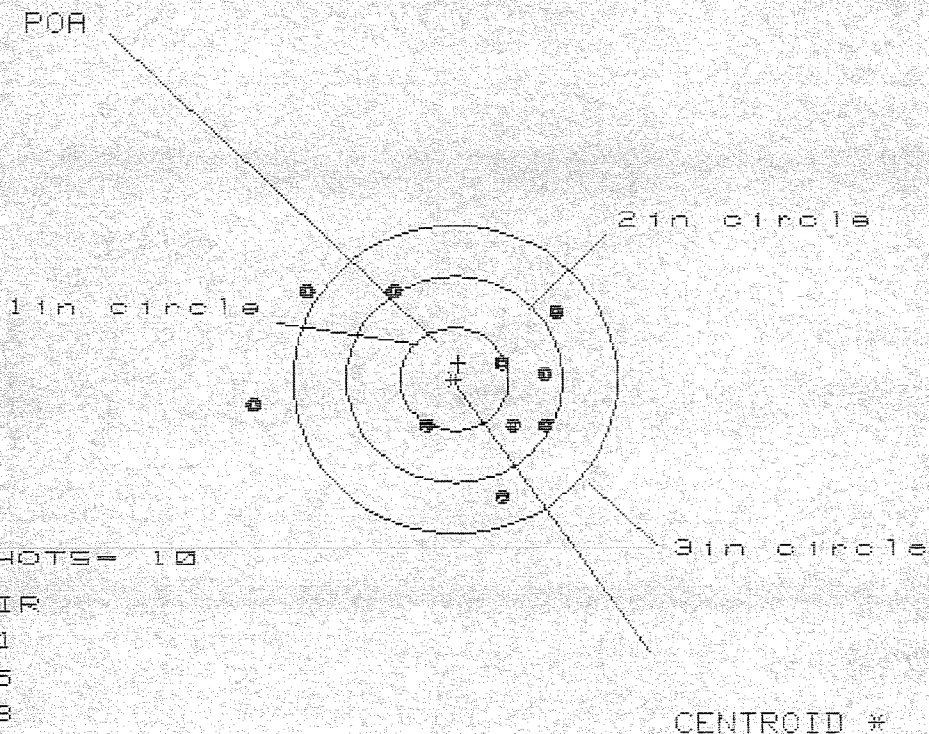
GS = 2.476

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.872	.746	.550
MINIMUM X	:	-1.437	-1.563	-1.111
MAXIMUM Y	:	.907	.825	.831
MINIMUM Y	:	-.790	-.689	-.683
CENTROID X	:	-.094	.032	.227
CENTROID Y	:	.450	.349	.343
POA TO CENTROID in.	:	.459	.350	.411
MIN RADIUS	:	.544	.401	.207
MEAN RADIUS	:	.913	.814	.658
MAX RADIUS	:	1.452	1.564	1.191
HORIZONTAL SPREAD	:	2.309	2.309	1.662
VERTICAL SPREAD	:	1.697	1.514	1.514
EXTREME SPREAD	:	2.476	2.372	1.953
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225347

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.854

VS= 1.997

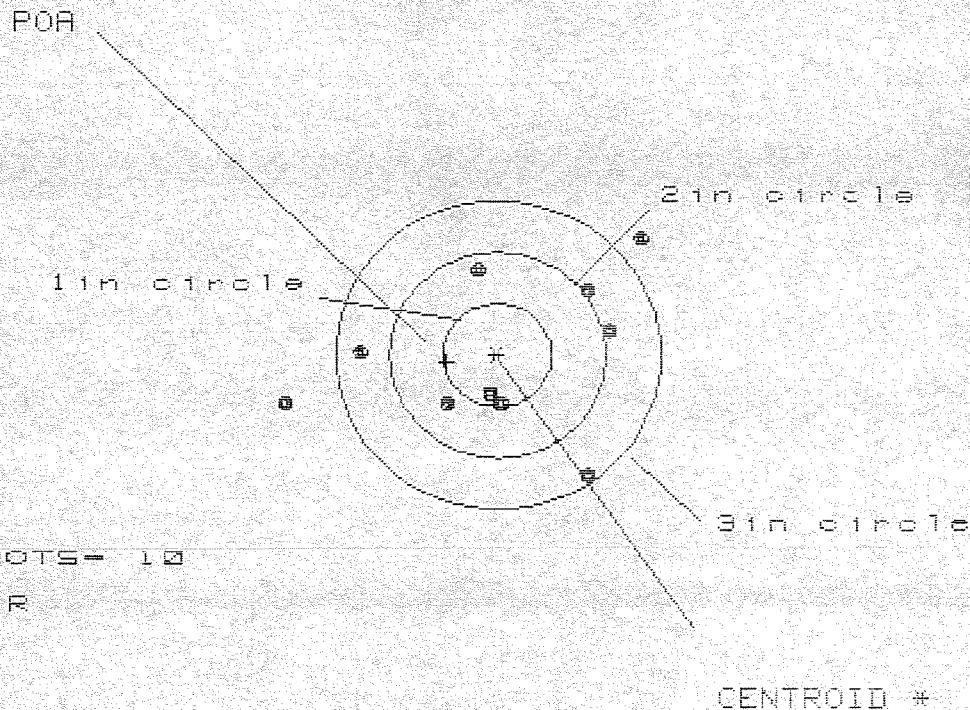
GS= 2.978

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.984
MINIMUM X	-1.870
MAXIMUM Y	.881
MINIMUM Y	-1.116
CENTROID X	-.038
CENTROID Y	-.159
POA TO CENTROID in.	.163
MIN RADIUS	.496
MEAN RADIUS	1.036
MAX RADIUS	1.882
HORIZONTAL SPREAD	2.854
VERTICAL SPREAD	1.997
EXTREME SPREAD	2.978
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225347

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.309

VS= 2.350

GS= 3.675

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.306	1.083	.930
MINIMUM X	-2.003	-1.537	-1.401
MAXIMUM Y	1.140	1.089	.953
MINIMUM Y	-1.210	-1.261	-1.124
CENTROID X	.470	.693	.557
CENTROID Y	.070	.121	-.015
POA TO CENTROID in.	.475	.703	.558
MIN RADIUS	.357	.516	.324
MEAN RADIUS	1.110	1.003	.902
MAX RADIUS	2.055	1.537	1.406
HORIZONTAL SPREAD	3.309	2.620	2.332
VERTICAL SPREAD	2.350	2.350	2.077
EXTREME SPREAD	3.675	2.847	2.506
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

26 Apr 1989

FILE: PATTERNING/CENTERFIRE_PATT/C8225347

CENTERFIRE PATTERNS # 5

POB

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.217

VS = 2.071

GS = 2.251

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.911	.765	.761
MINIMUM X	:	-1.306	-.961	-.965
MAXIMUM Y	:	.900	.963	.825
MINIMUM Y	:	-1.171	-1.108	-.591
CENTROID X	:	.436	.582	.586
CENTROID Y	:	-.191	-.254	-.116
POB TO CENTROID in.	:	.476	.635	.597
MIN RADIUS	:	.160	.208	.299
MEAN RADIUS	:	.778	.700	.648
MAX RADIUS	:	1.425	1.108	.972
HORIZONTAL SPREAD	:	2.217	1.726	1.726
VERTICAL SPREAD	:	2.071	2.071	1.416
EXTREME SPREAD	:	2.251	2.128	1.755
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	