

C6349016

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Serial Number: C6349016

Model: 700



RE00074616

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349016.___0
FILE DATE AND TIME: 01/22/2004 09:54

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.146
The Average Y Centroid of the Five Target Set:	0.066
The Average Point of Impact of the Five Target Set:	0.160
The Average Mean Radius of the Five Target Set:	0.765
The Distance from POA to Centroid Target #1:	0.125
The Distance from Centroid Target #2 to Centroid Target #1:	0.415
The Distance from Centroid Target #3 to Centroid Target #1:	0.259
The Distance from Centroid Target #4 to Centroid Target #1:	0.067
The Distance from Centroid Target #5 to Centroid Target #1:	0.222

SERIAL NUMBER: C6349016. 0

TARGET NUMBER: 1

FILE DATE: 01/22/2004

FILE TIME: 09:54

POINT#	X	Y
1:	0.350	0.328
2:	0.627	0.416
3:	0.778	0.100
4:	-0.129	0.386
5:	-0.463	0.834
6:	-0.873	1.287
7:	-0.938	0.125
8:	0.274	-0.476
9:	0.471	-0.763
10:	0.392	-1.086

X CENTROID: 0.049

Y CENTROID: 0.115

POA TO CENTROID: 0.125

HORZ SPREAD: 1.716

VERT SPREAD: 2.373

GROUP SPREAD: 2.689

MIN RADIUS: 0.324

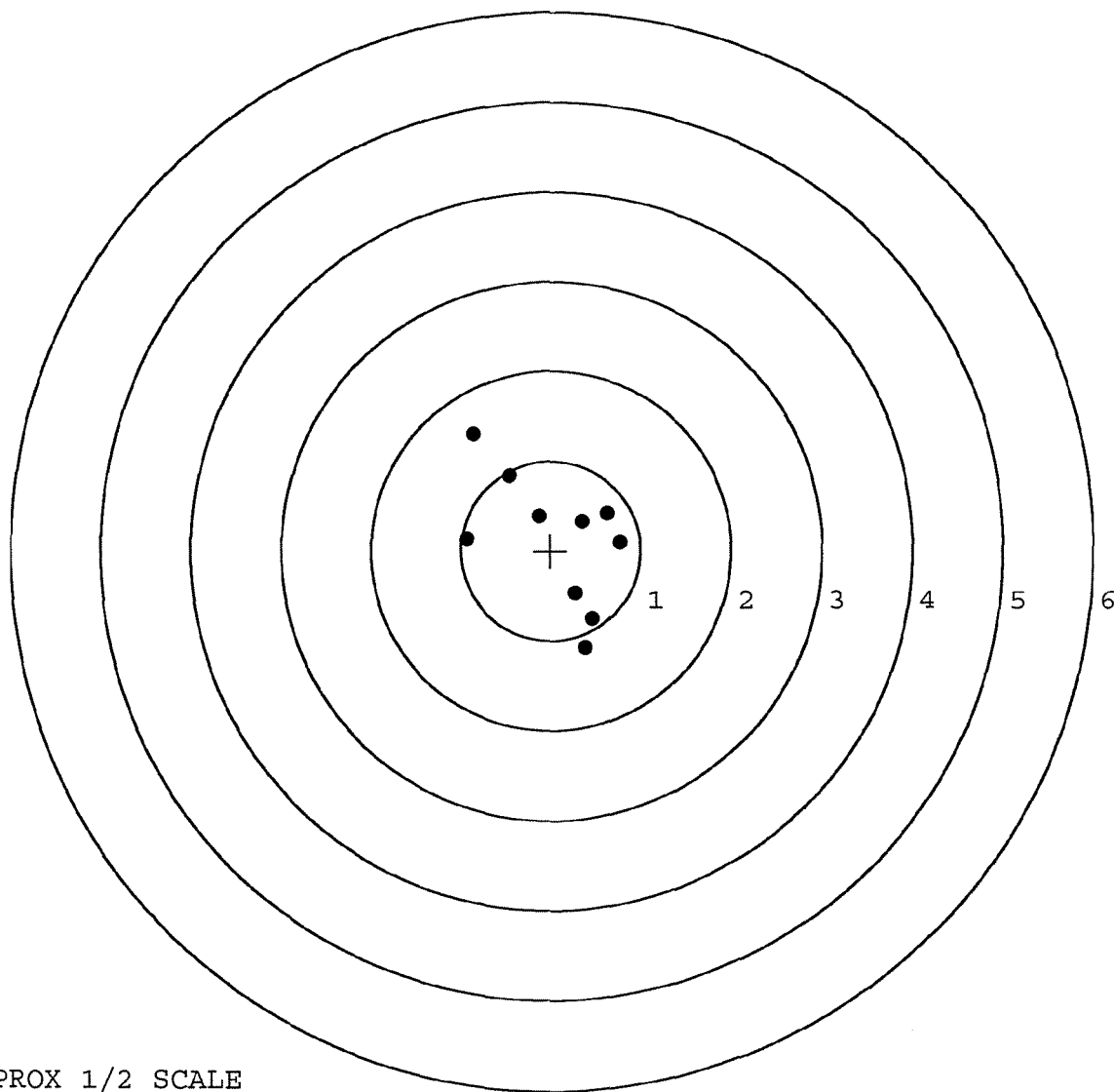
MAX RADIUS: 1.491

MEAN RADIUS: 0.829

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

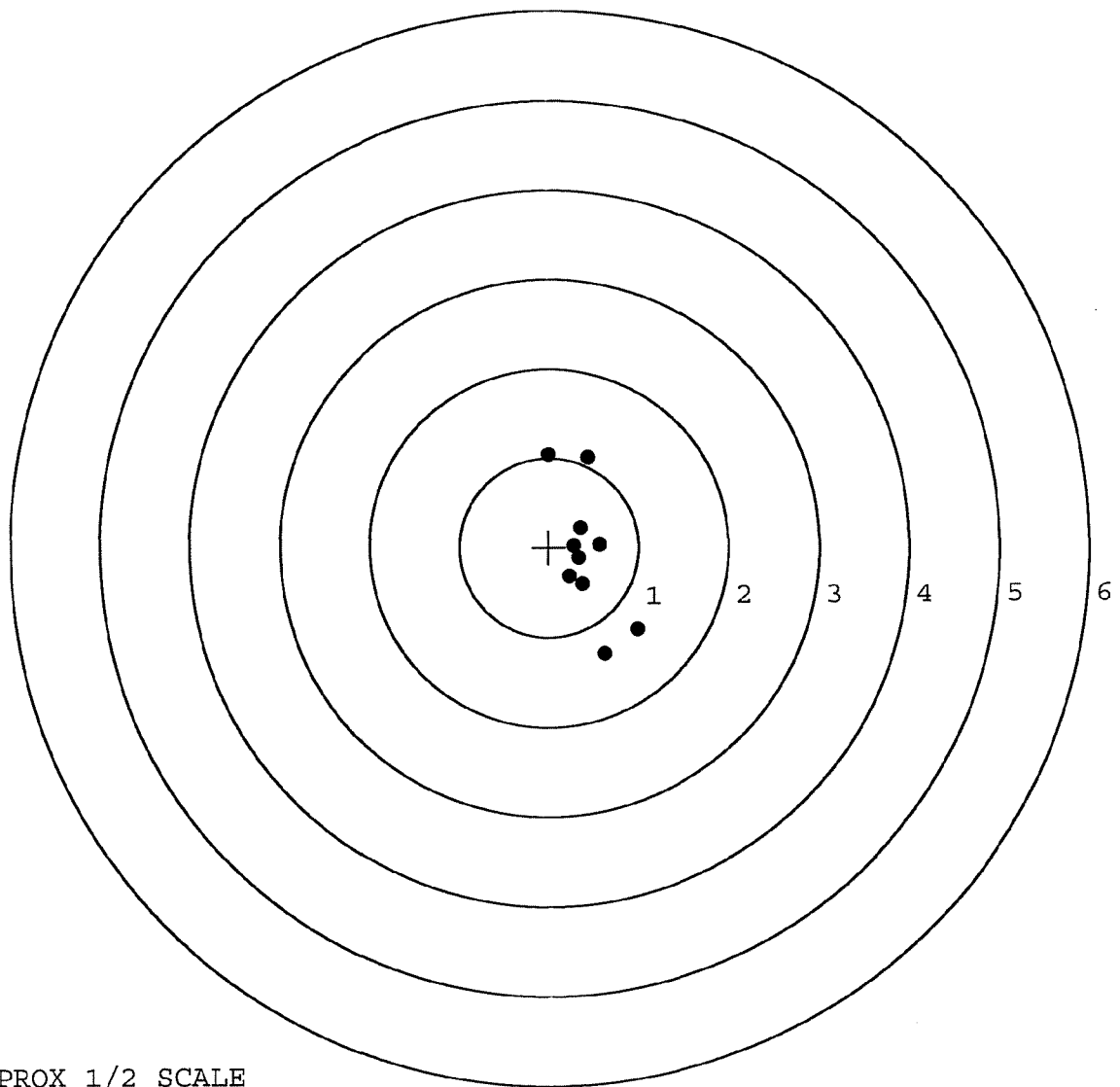


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349016.___0
TARGET NUMBER: 2
FILE DATE: 01/22/2004
FILE TIME: 09:54

POINT#	X	Y
1:	0.445	1.001
2:	-0.002	1.034
3:	0.981	-0.920
4:	0.624	-1.189
5:	0.375	-0.417
6:	0.228	-0.333
7:	0.340	-0.120
8:	0.567	0.031
9:	0.366	0.214
10:	0.286	0.017

X CENTROID: 0.421
Y CENTROID: -0.068
POA TO CENTROID: 0.426
HORZ SPREAD: 0.983
VERT SPREAD: 2.223
GROUP SPREAD: 2.309
MIN RADIUS: 0.096
MAX RADIUS: 1.181
MEAN RADIUS: 0.581
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349016. __0

TARGET NUMBER: 3

FILE DATE: 01/22/2004

FILE TIME: 09:54

POINT#	X	Y
1:	0.473	1.196
2:	0.987	0.808
3:	0.571	0.687
4:	0.163	0.251
5:	-0.053	0.384
6:	-0.341	-0.036
7:	-0.473	-0.578
8:	-0.031	-0.554
9:	0.348	-0.689
10:	1.437	-0.419

X CENTROID: 0.308

Y CENTROID: 0.105

POA TO CENTROID: 0.326

HORZ SPREAD: 1.910

VERT SPREAD: 1.885

GROUP SPREAD: 1.917

MIN RADIUS: 0.206

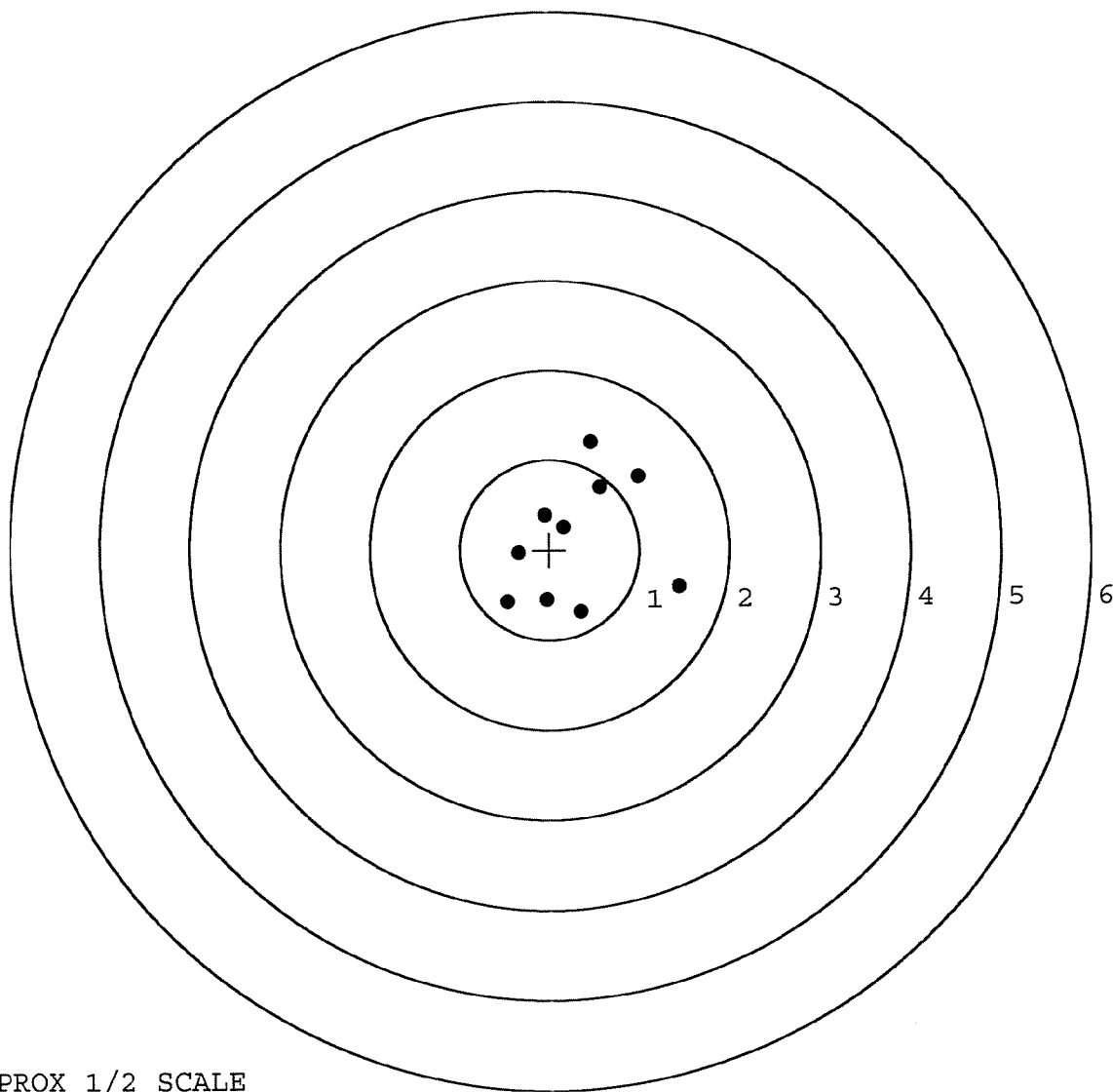
MAX RADIUS: 1.245

MEAN RADIUS: 0.786

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

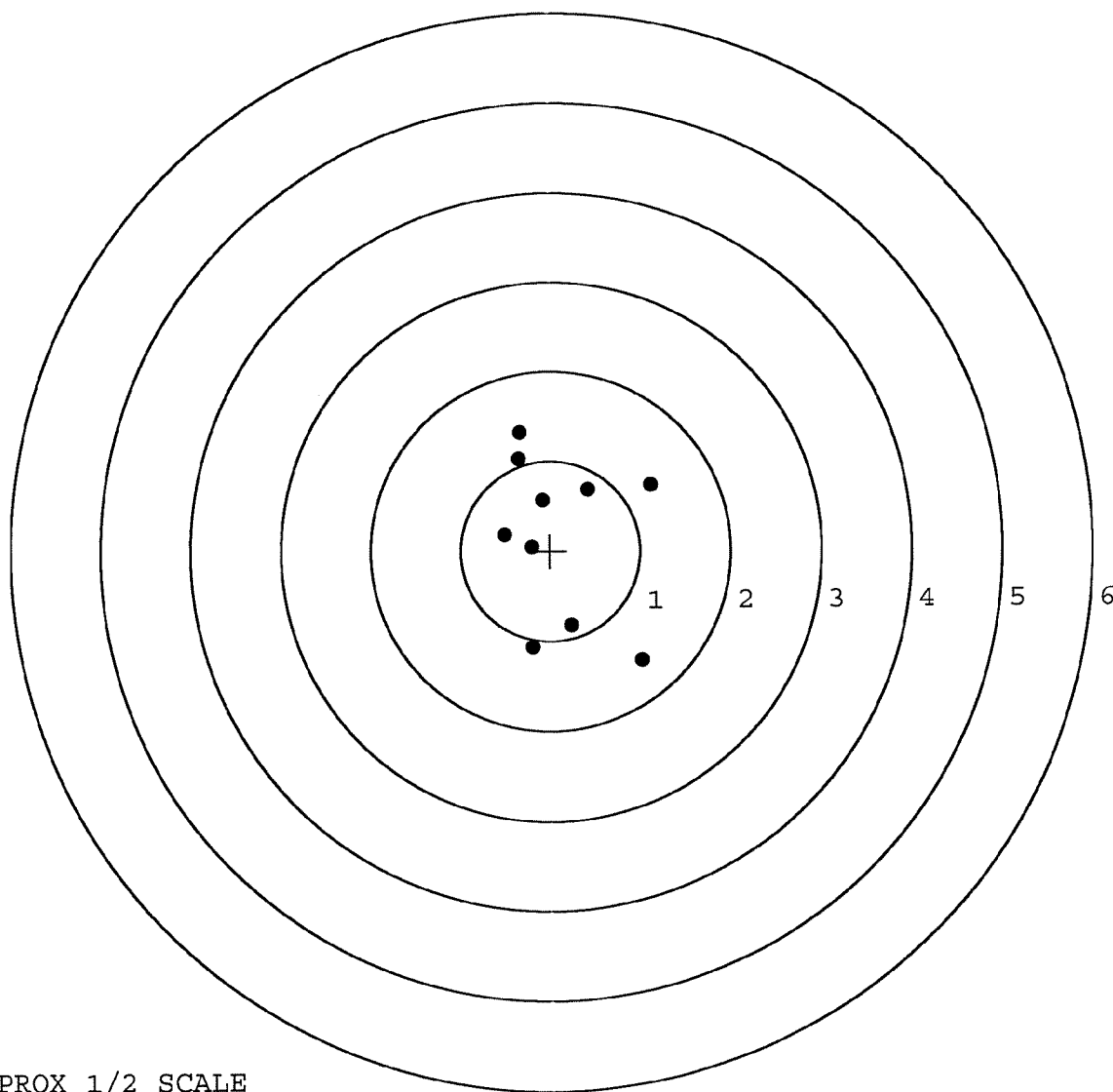


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349016. __0
TARGET NUMBER: 4
FILE DATE: 01/22/2004
FILE TIME: 09:54

X CENTROID: 0.111
Y CENTROID: 0.142
POA TO CENTROID: 0.180
HORZ SPREAD: 1.628
VERT SPREAD: 2.539
GROUP SPREAD: 2.877
MIN RADIUS: 0.327
MAX RADIUS: 1.639
MEAN RADIUS: 0.933
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.353	1.024
2:	-0.336	1.316
3:	0.421	0.686
4:	1.115	0.728
5:	-0.081	0.560
6:	-0.513	0.186
7:	-0.202	0.045
8:	0.237	-0.830
9:	1.018	-1.223
10:	-0.199	-1.077

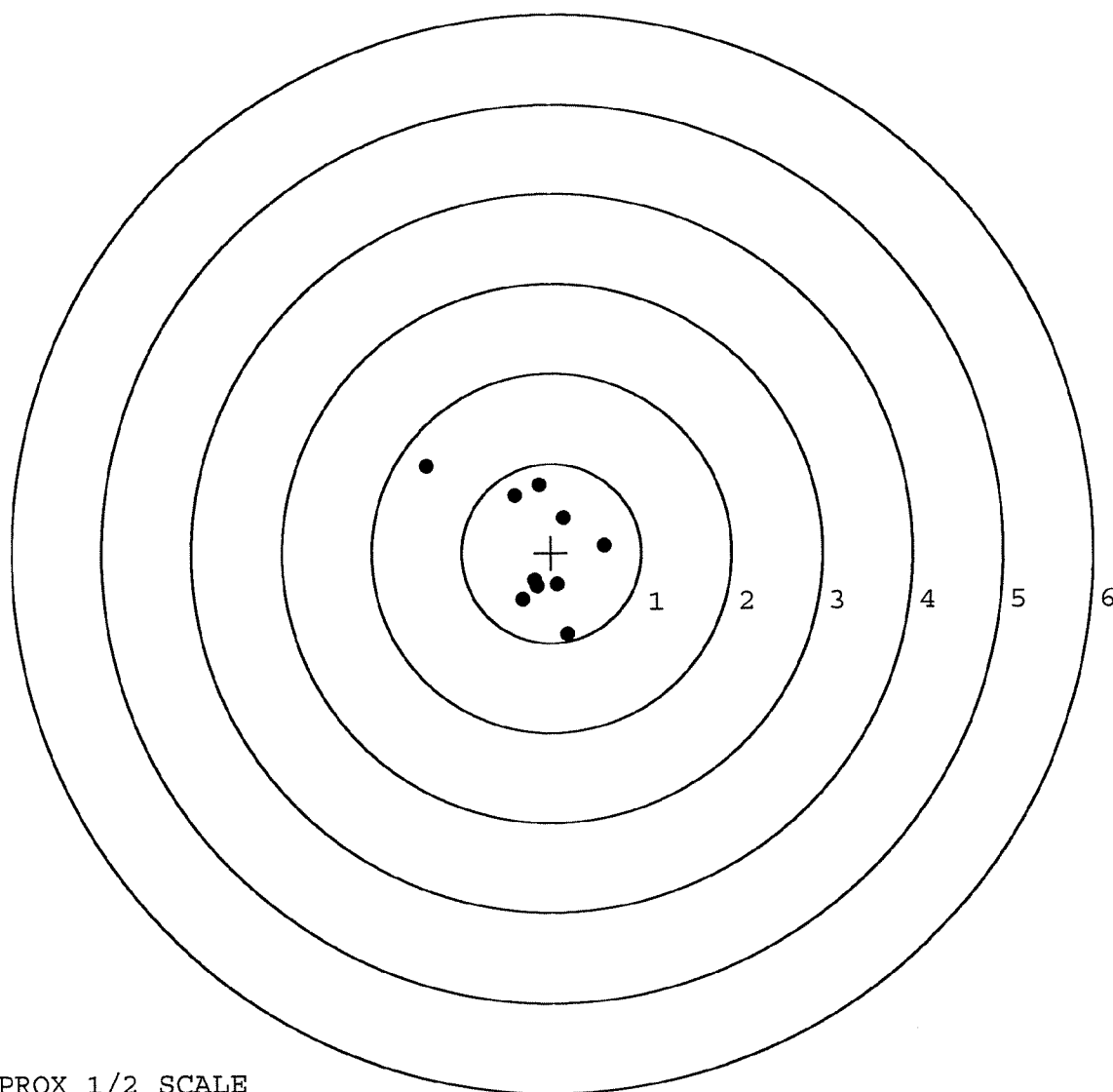


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349016. __0
TARGET NUMBER: 5
FILE DATE: 01/22/2004
FILE TIME: 09:54

POINT#	X	Y
1:	0.595	0.080
2:	-0.186	-0.313
3:	0.071	-0.357
4:	-0.317	-0.523
5:	0.181	-0.908
6:	-0.132	0.761
7:	-0.403	0.645
8:	0.144	0.387
9:	-1.386	0.980
10:	-0.154	-0.376

X CENTROID: -0.159
Y CENTROID: 0.038
POA TO CENTROID: 0.163
HORZ SPREAD: 1.981
VERT SPREAD: 1.888
GROUP SPREAD: 2.454
MIN RADIUS: 0.352
MAX RADIUS: 1.547
MEAN RADIUS: 0.695
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

R & E NUMBER	746616		
SERIAL NUMBER	C6349016		
LOG-IN DATE	12-29-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-06-04	RTZ
560 A	RE-BARREL	1-7-04	RTZ
B	DRILL AND TAP	1-9-04	TRW
575	ASSEMBLE	1-8-04	RTZ
600	PROOF	1-8-04	RW
605	CHECK HEADSPACE	1-8-04	RW
610	DIS-ASSEMBLE GUN	1-8-04	RW
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	1-13-04	RB
618	ROTO-BLAST	1/13/2004	Dans.
620	APPLY COATINGS	1-15	TA
625 A	FINAL ASSEMBLY	1-19-04	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-22-04	AC
655	FINAL INSPECT	1-22-04	RW
660	PACK	1-26-04	RA
		SHIP DATE	
QAR INSPECTION DATE			

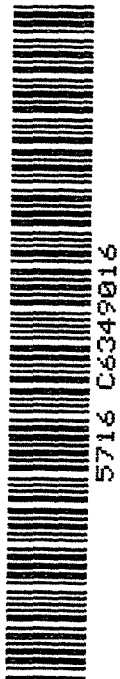
Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

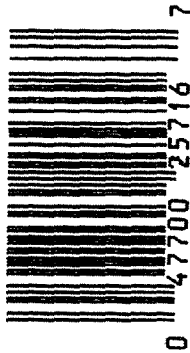
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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

SERIAL NO. C6349016	Ø1
ORDER NO. 5716	



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349016

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		SL
617	Drill and Tap Sight Holes		4/23/90	FB
618	Polish Barrel RB		4/24/90	WB
620	Apply Coatings (Barrel Action)		4/20/90	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		5/9/90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/9/90	GE
	G) Safety Off Force	2	2	2			5/9/90	GE
	H) Trigger Pull Test & Retainability						5/9/90	GE
	I) Firing Pin Indent	.0205	.020	.020			5/9/90	GE
	J) Assemble Stock						5/11/90	RW
	K) Assemble Swivel Studs						5/16/90	WB
	L) Attach Front and Rear Sight Assemblies						5/11/90	RW
	M) Iron Sight Alignment						5/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/11/90	RW
	O) Attach Scope to Rifle						5/11/90	WB
	P) Detach & Attach Scope 20 Times						5/11/90	WB
640	Gallery Target & Test						5-14-90	AC
	A) Time						5-14-90	AC
	B) Malfunctions						5-14-90	AC
	C) Pierced Primers						5-14-90	AC
	D) Optical Clarity of Scope						5-14-90	AC
645	Inspect for Live Ammo						5-14-90	AC
655	Final Inspection						5/15/90	WB
	A) Headspace							
	B) Trigger Pull	2.57	2.56	2.63	2.64	2.65	5/15/90	WB
	C) Function						5/16/90	WB
660	Pack						6-20-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 06349016

DATE 5/9/90

TESTER gdl

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.27	2.58	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.36	2.44	2.56	
PULL #3	2.24	2.31	2.40	2.63	
PULL #4	2.27	2.40	2.38	2.64	
PULL #5	2.24	2.36	2.38	2.65	
TOTAL	11.24	11.70	12.18		
AVG.	2.248	2.34	2.436		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.26		
PULL #2	3.39	3.38		
PULL #3	3.31	3.29		
PULL #4	3.30	3.30		
PULL #5	3.34	3.28		
TOTAL	16.86	16.51		
AVG.	3.372	3.302		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.25		4.44
PULL #2	4.23	4.31		4.26
PULL #3	4.17	4.28		4.29
PULL #4	4.19	4.29		4.32
PULL #5	4.26	4.36		4.23
TOTAL	21.06	21.49		21.54
AVG.	4.212	4.298		4.308

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349016
15 May 1990

CENTROIDAL DISTANCES

0 TO	1	.235722
1 TO	2	.209468
1 TO	3	.107378
1 TO	4	.096566
1 TO	5	.363618

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

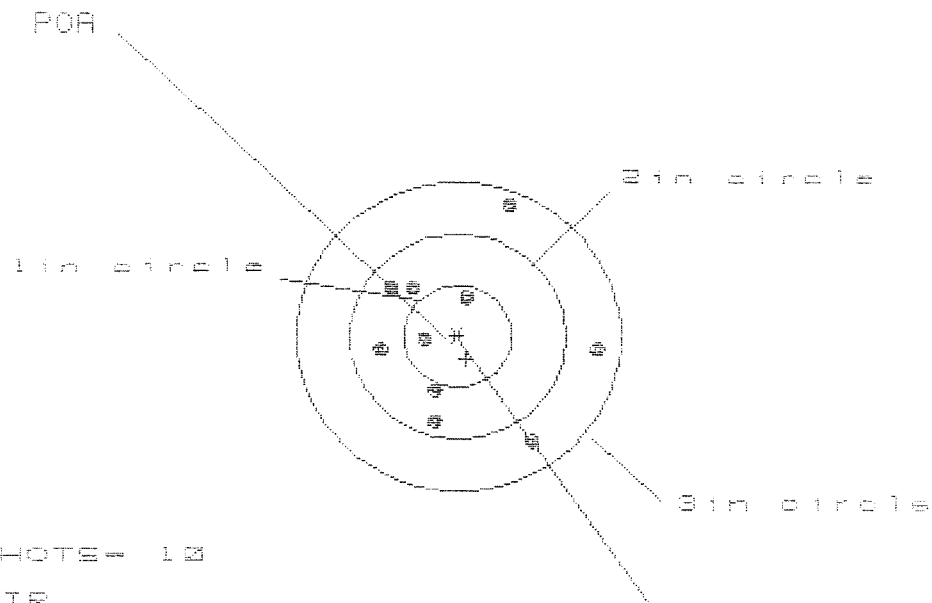
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.134
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1958
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .237263
THE AMR FOR THIS RIFLE IS: .8592

14 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349018

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.000

VS = 2.065

GS = 2.072

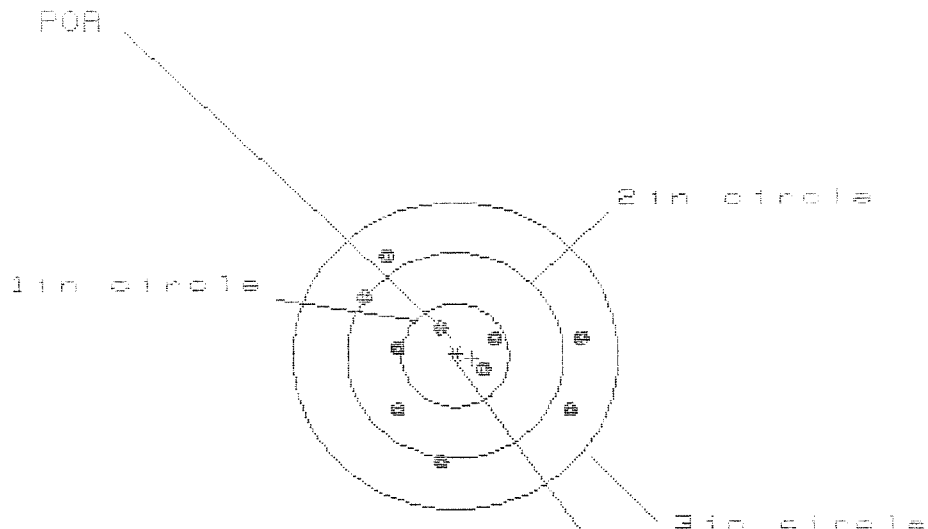
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.248	1.299	.849
MINIMUM X	-.746	-.695	-.533
MAXIMUM Y	1.300	.600	.609
MINIMUM Y	-1.065	-.921	-.912
CENTROID X	-.082	-.133	-.295
CENTROID Y	.221	.077	.068
POA TO CENTROID in.	.236	.153	.383
MIN RADIUS	.320	.318	.208
MEAN RADIUS	.816	.741	.633
MAX RADIUS	1.378	1.300	1.246
HORIZONTAL SPREAD	1.994	1.994	1.382
VERTICAL SPREAD	2.365	1.521	1.521
EXTREME SPREAD	2.372	1.995	1.992
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

14 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349016

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.0000

VS = 1.0000

GS = 0.0000

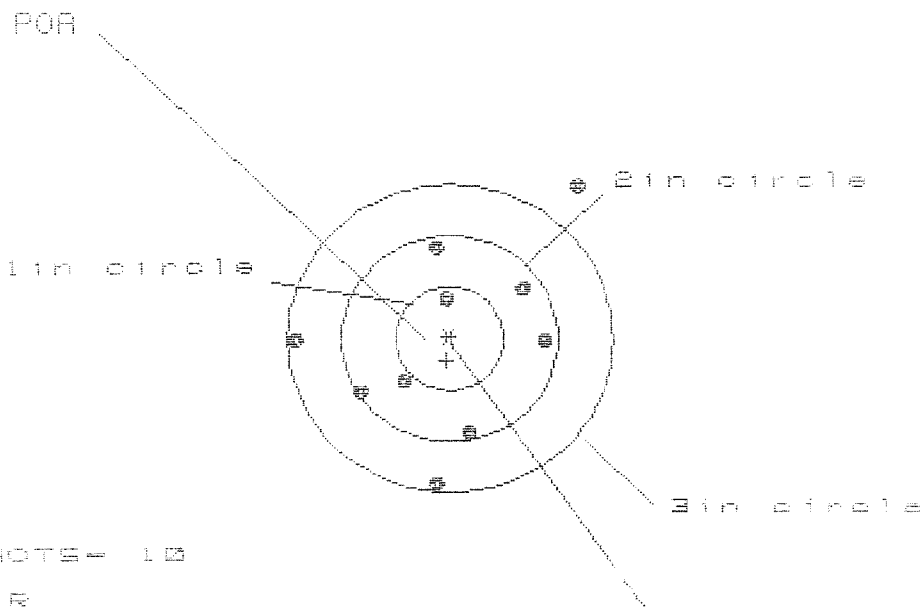
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.166	1.289	.686
MINIMUM X	:	-.827	-.704	-.542
MAXIMUM Y	:	.946	.889	.902
MINIMUM Y	:	-.994	-1.051	-1.038
CENTROID X	:	-.161	-.284	-.445
CENTROID Y	:	.027	.084	.071
POA TO CENTROID in.	:	.163	.297	.451
MIN RADIUS	:	.351	.256	.281
MEAN RADIUS	:	.808	.748	.665
MAX RADIUS	:	1.223	1.294	1.045
HORIZONTAL SPREAD	:	1.993	1.993	1.229
VERTICAL SPREAD	:	1.940	1.940	1.940
EXTREME SPREAD	:	2.309	2.029	2.006
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349016

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 2.550

VS= 2.965

GS= 3.209

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.131	.985	.989
MINIMUM X	:	-1.419	-1.294	-1.290
MAXIMUM Y	:	1.514	1.054	.894
MINIMUM Y	:	-1.451	-1.283	-.948
CENTROID X	:	.025	-.100	-.104
CENTROID Y	:	.212	.044	.204
POA TO CENTROID in.	:	.213	.109	.229
MIN RADIUS	:	.391	.347	.418
MEAN RADIUS	:	1.023	.911	.855
MAX RADIUS	:	1.890	1.305	1.290
HORIZONTAL SPREAD	:	2.550	2.279	2.279
VERTICAL SPREAD	:	2.965	2.337	1.842
EXTREME SPREAD	:	3.209	2.338	2.279
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349016

CENTERFIRE PATTERNS

4

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HW = 1.486

VS = 2.114

GS = 2.155

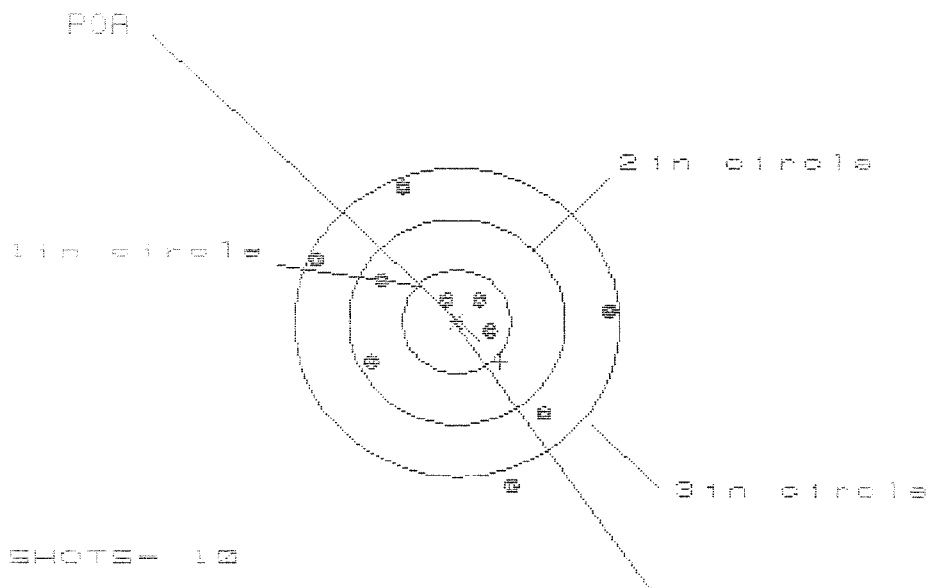
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.850	.858	.779
MINIMUM X	-.636	-.629	-.569
MAXIMUM Y	1.119	.777	.678
MINIMUM Y	-.995	-.871	-.970
CENTROID X	-.047	-.055	.024
CENTROID Y	.131	.087	.106
FOR TO CENTROID in.	.139	.055	.108
MIN RADIUS	.109	.105	.047
MEAN RADIUS	.681	.633	.570
MAX RADIUS	1.121	1.011	.970
HORIZONTAL SPREAD	1.486	1.486	1.348
VERTICAL SPREAD	2.114	1.648	1.648
EXTREME SPREAD	2.155	1.771	1.661
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	10	

14 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349016

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HE= 2.538

VS= 2.900

GS= 3.085

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.390	1.449	1.392
MINIMUM X	-1.248	-1.189	-1.246
MAXIMUM Y	1.332	1.157	.582
MINIMUM Y	-1.568	-1.026	-.881
CENTROID X	-.405	-.464	-.407
CENTROID Y	.388	.563	.418
POR TO CENTROID in.	.561	.730	.584
MIN RADIUS	.231	.048	.202
MEAN RADIUS	.968	.864	.820
MAX RADIUS	1.656	1.450	1.397
HORIZONTAL SPREAD	2.638	2.638	2.638
VERTICAL SPREAD	2.900	2.183	1.463
EXTREME SPREAD	3.085	2.678	2.678
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		