

C6611571

MODEL 700TM M24

Model **SMS** TM

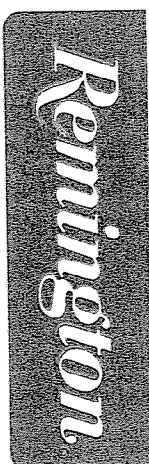
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



start 2

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611671.___0

FILE DATE AND TIME: 02/18/2004 07:58

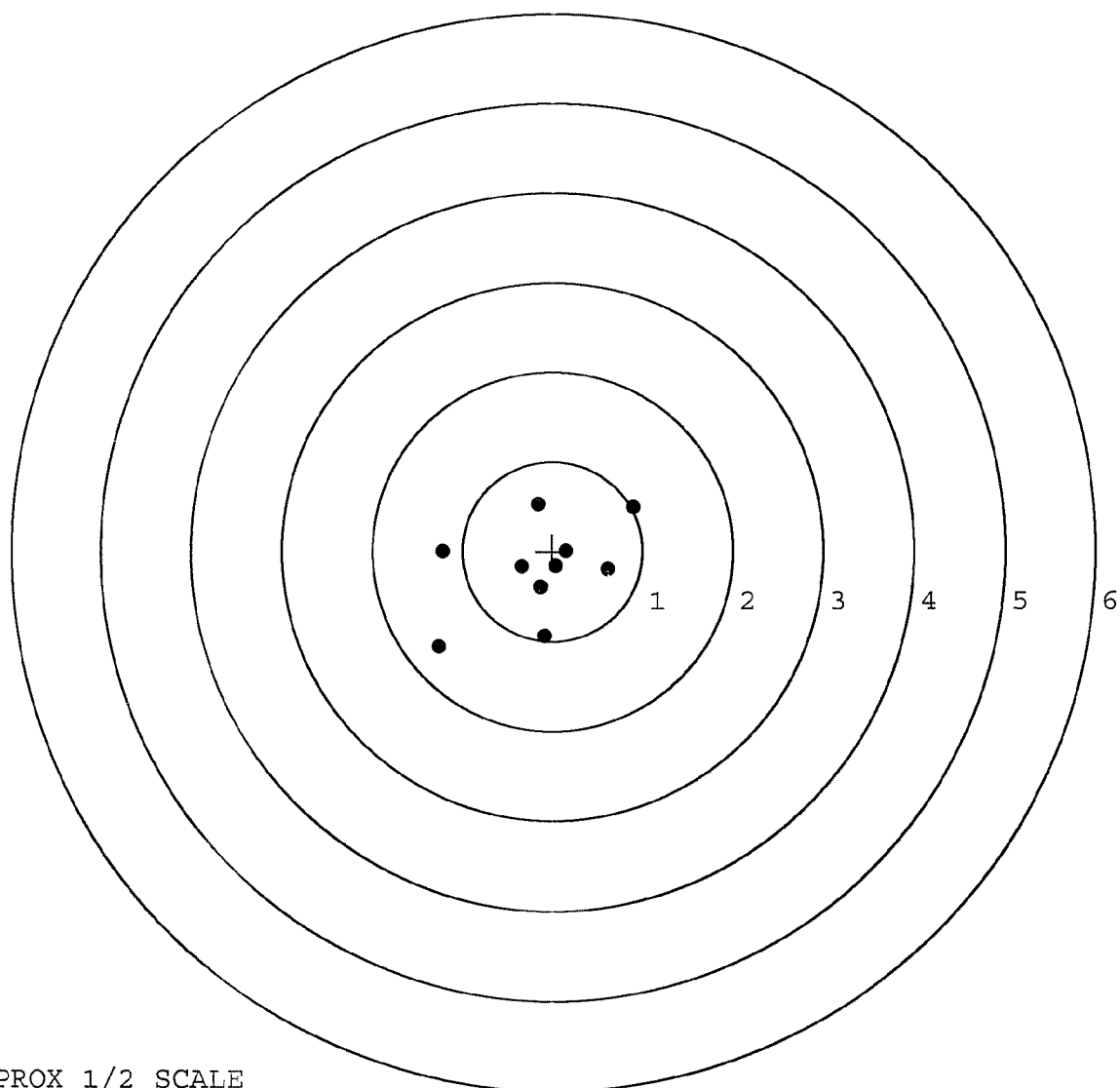
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.048
The Average Y Centroid of the Five Target Set:	-0.065
The Average Point of Impact of the Five Target Set:	0.081
The Average Mean Radius of the Five Target Set:	0.508
The Distance from POA to Centroid Target #1:	0.249
The Distance from Centroid Target #2 to Centroid Target #1:	0.110
The Distance from Centroid Target #3 to Centroid Target #1:	0.242
The Distance from Centroid Target #4 to Centroid Target #1:	0.227
The Distance from Centroid Target #5 to Centroid Target #1:	0.301

SERIAL NUMBER: C6611671. __0
TARGET NUMBER: 1
FILE DATE: 02/18/2004
FILE TIME: 07:58

POINT#	X	Y
1:	-1.263	-1.071
2:	-1.225	-0.007
3:	-0.091	-0.953
4:	0.616	-0.202
5:	0.897	0.490
6:	-0.165	0.521
7:	0.148	0.003
8:	0.040	-0.169
9:	-0.343	-0.179
10:	-0.139	-0.400

X CENTROID: -0.153
Y CENTROID: -0.197
POA TO CENTROID: 0.249
HORZ SPREAD: 2.160
VERT SPREAD: 1.592
GROUP SPREAD: 2.665
MIN RADIUS: 0.191
MAX RADIUS: 1.413
MEAN RADIUS: 0.695
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

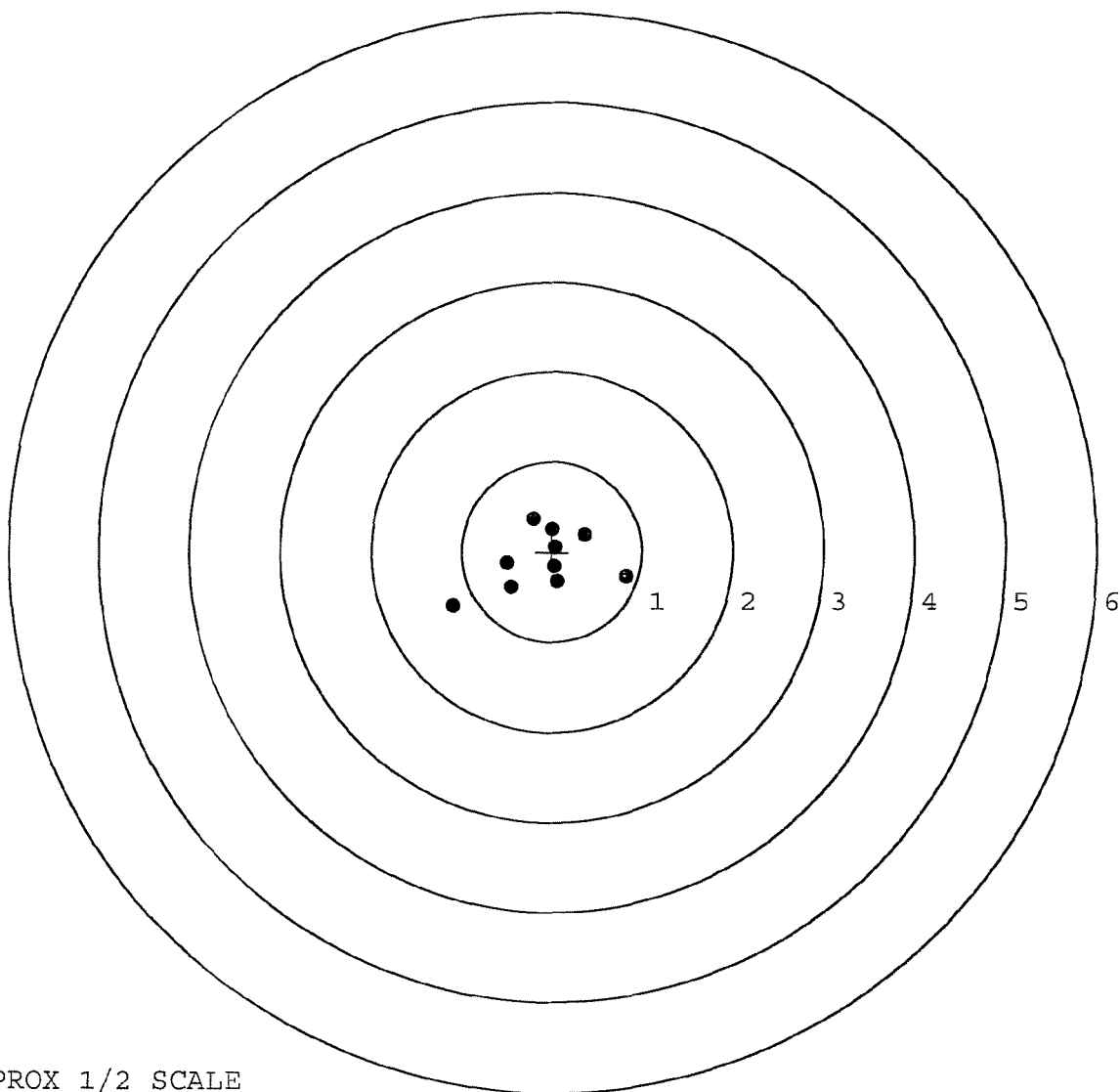


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611671. __0
TARGET NUMBER: 2
FILE DATE: 02/18/2004
FILE TIME: 07:58

X CENTROID: -0.092
Y CENTROID: -0.105
POA TO CENTROID: 0.139
HORZ SPREAD: 1.925
VERT SPREAD: 0.977
GROUP SPREAD: 1.953
MIN RADIUS: 0.139
MAX RADIUS: 1.123
MEAN RADIUS: 0.495
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.830	-0.278
2:	-1.095	-0.609
3:	-0.497	-0.133
4:	-0.453	-0.398
5:	-0.205	0.368
6:	0.361	0.189
7:	0.005	0.255
8:	0.066	-0.334
9:	0.033	-0.165
10:	0.037	0.057

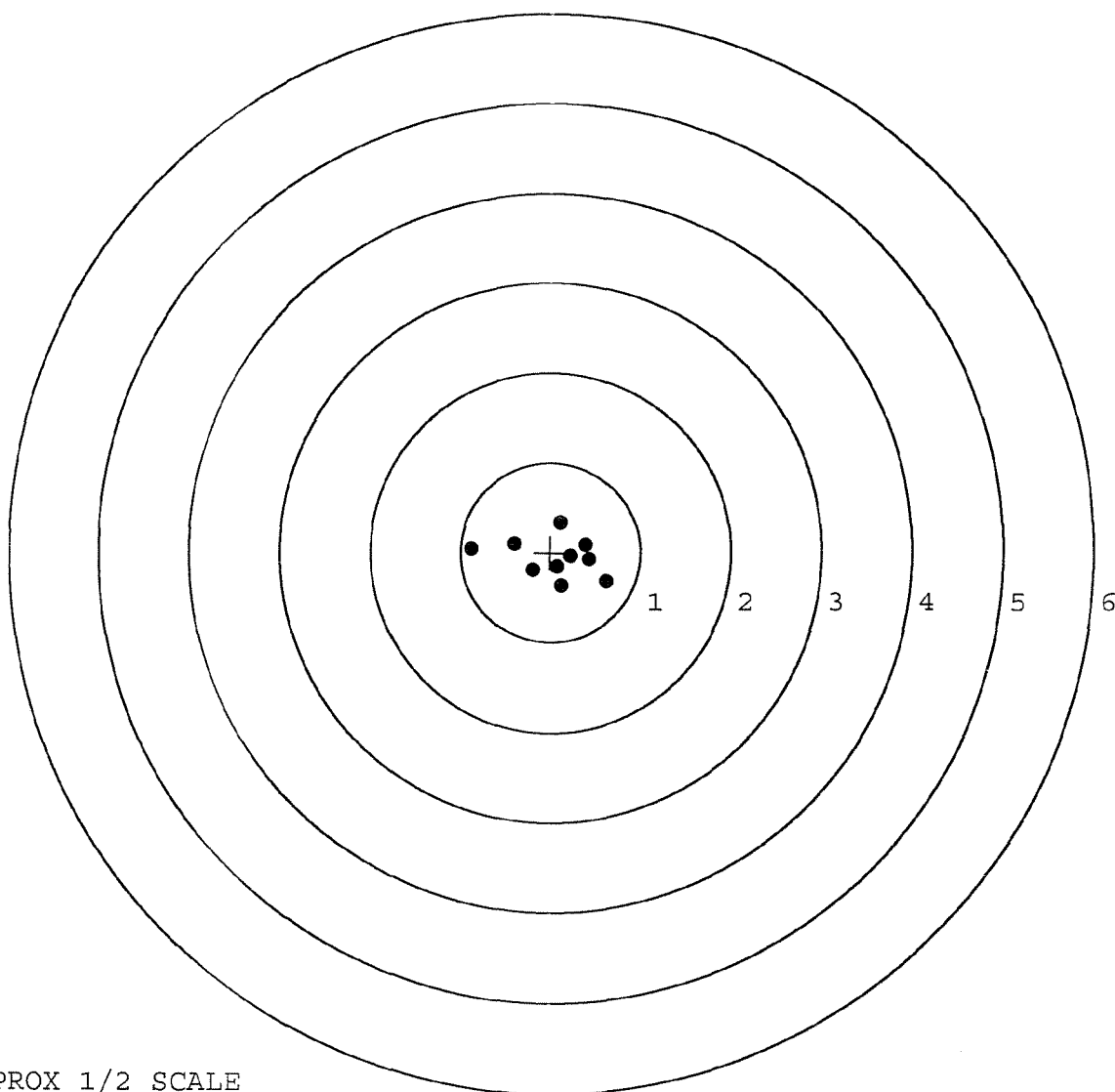


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611671. __0
TARGET NUMBER: 3
FILE DATE: 02/18/2004
FILE TIME: 07:58

X CENTROID: 0.049
Y CENTROID: -0.063
POA TO CENTROID: 0.080
HORZ SPREAD: 1.507
VERT SPREAD: 0.715
GROUP SPREAD: 1.553
MIN RADIUS: 0.104
MAX RADIUS: 0.938
MEAN RADIUS: 0.409
IN 1 IN DIAMETER: 8
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.405	0.098
2:	-0.883	0.044
3:	0.120	0.337
4:	0.388	0.090
5:	0.624	-0.330
6:	0.121	-0.378
7:	-0.197	-0.202
8:	0.076	-0.163
9:	0.221	-0.044
10:	0.427	-0.080



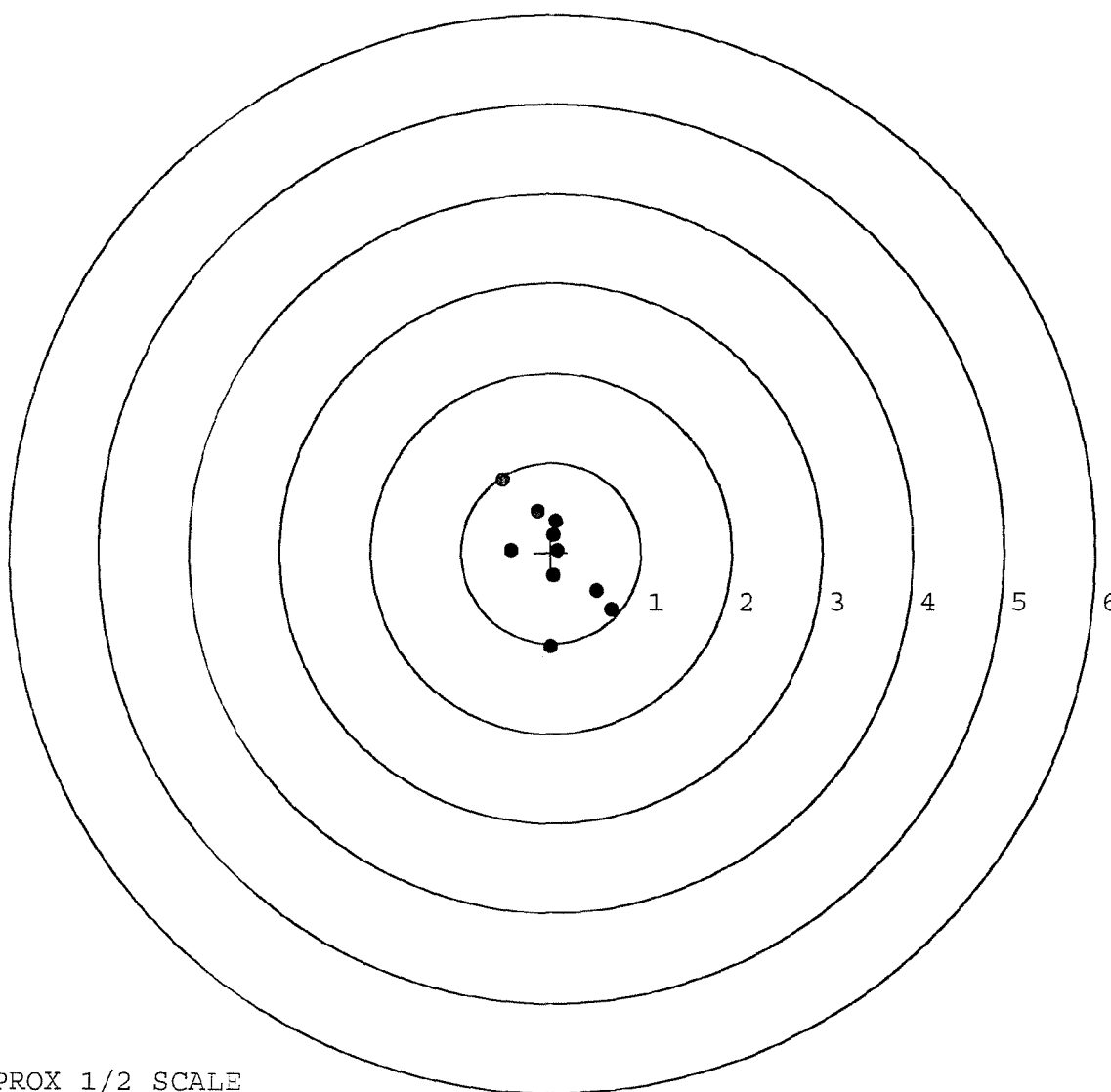
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611671. __0
TARGET NUMBER: 4
FILE DATE: 02/18/2004
FILE TIME: 07:58

X CENTROID: 0.024
Y CENTROID: -0.054
POA TO CENTROID: 0.059
HORZ SPREAD: 1.208
VERT SPREAD: 1.848
GROUP SPREAD: 1.922
MIN RADIUS: 0.089
MAX RADIUS: 1.027
MEAN RADIUS: 0.545

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.671	-0.632
2:	0.511	-0.433
3:	-0.008	-1.041
4:	-0.537	0.807
5:	-0.443	0.015
6:	0.031	-0.262
7:	0.080	0.015
8:	0.028	0.193
9:	0.056	0.342
10:	-0.150	0.459

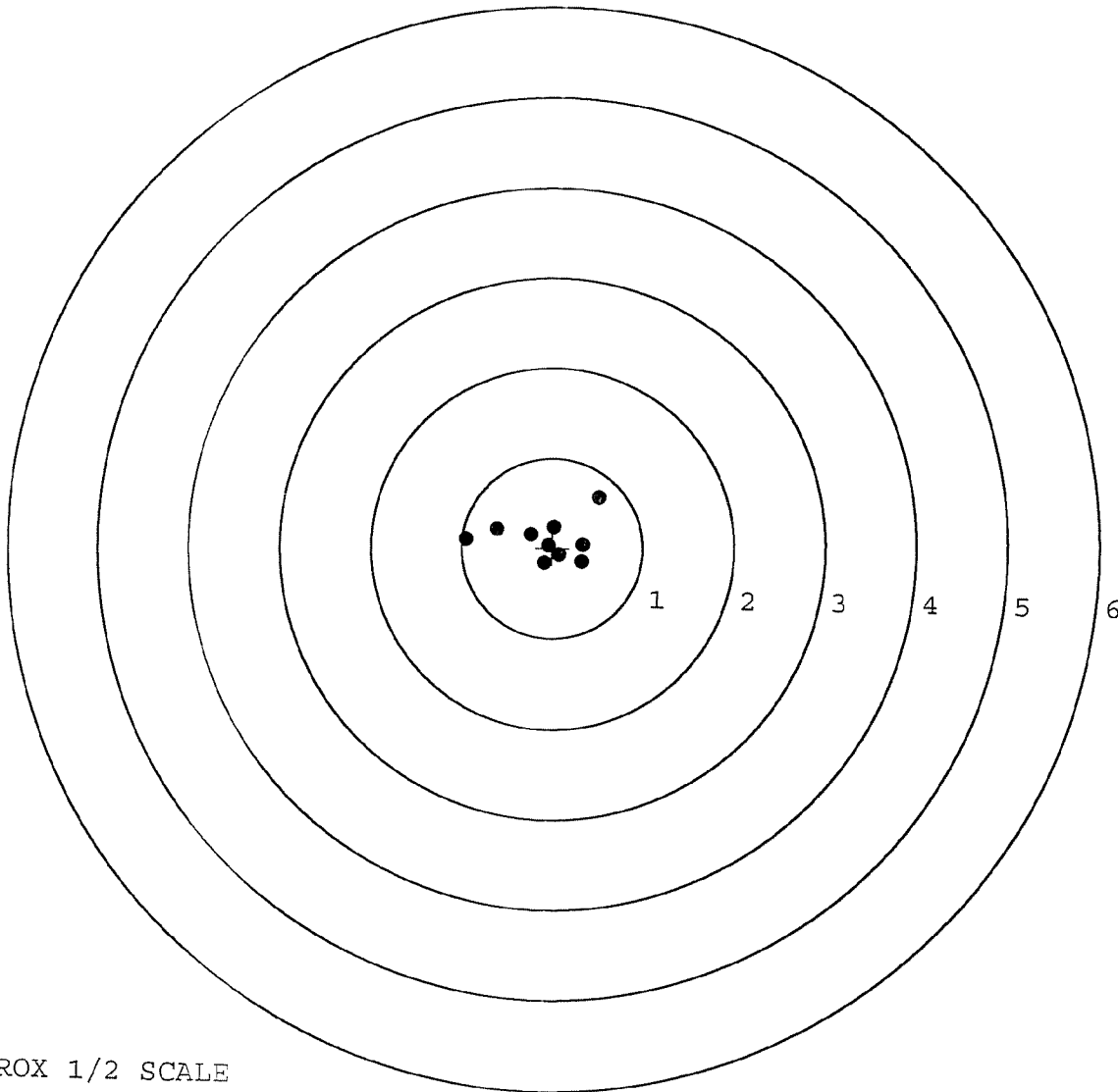


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611671. 0
TARGET NUMBER: 5
FILE DATE: 02/18/2004
FILE TIME: 07:58

POINT#	X	Y
1:	0.500	0.579
2:	-0.954	0.083
3:	-0.614	0.202
4:	0.329	-0.150
5:	0.335	0.046
6:	0.019	0.235
7:	0.079	-0.075
8:	-0.090	-0.169
9:	-0.242	0.149
10:	-0.052	0.030

X CENTROID: -0.069
Y CENTROID: 0.093
POA TO CENTROID: 0.116
HORZ SPREAD: 1.454
VERT SPREAD: 0.748
GROUP SPREAD: 1.536
MIN RADIUS: 0.065
MAX RADIUS: 0.885
MEAN RADIUS: 0.396
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	076713		
SERIAL NUMBER	C16611671		
LOG-IN DATE	2/2/04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2/2/04	RW
560 A	RE-BARREL	2-3-04	RTL
B	DRILL AND TAP	2-3-04	TRW
575	ASSEMBLE	2-3-04	RTL
600	PROOF	2-3-04	AC
605	CHECK HEADSPACE	2-3-04	AC
610	DIS-ASSEMBLE GUN	2-3-04	RW
612	MAGNAFLUX	RR	
615	ROLLMARK CALIBER	2/4/04	KB
618	ROTO-BLAST	2-5-04	CK
620	APPLY COATINGS	2-12	TA
625 A	FINAL ASSEMBLY	2-17-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-18-04	TRW
655	FINAL INSPECT	2-20-04	RTL
660	PACK	2-23-04	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington[®]

MODEL 700[™] H24

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

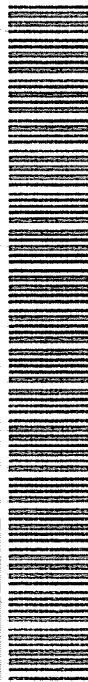
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6611671

ORDER NO.
5716

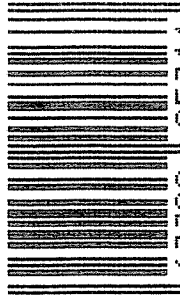
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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5716 C6611671

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611671

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	91	RW
600	Proof	3 28	91	RW
607	Check Headspace	3 28	91	RW
610	Dis-assemble Gun	3 28	91	RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	11
615	Rollmark Caliber	APR	2 1991	LS
617	Drill and Tap Sight Holes	APR	5 1991	FB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/23/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			4/23/91	PH
	G) Safety Off Force	3	3	3			4/23/91	PH
	H) Trigger Pull Test & Retainability						4/23/91	PH
	I) Firing Pin Indent	10215	1021	10215			4/23/91	PH
	J) Assemble Stock						4/30/91	RW
	K) Assemble Swivel Studs						5-1-91	PH
	L) Attach Front and Rear Sight Assemblies						4/30/91	RW
	M) Iron Sight Alignment						4/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/30/91	RW
	O) Attach Scope to Rifle						4/30/91	RW
	P) Detach & Attach Scope 20 Times						4/30/91	RW
640	Gallery Target & Test						4-30-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						4-30-91	NF
655	Final Inspection							
	A) Headspace						5-11-91	PH
	B) Trigger Pull	2.61	2.35	2.39	2.39	2.43	5/10/91	PH
	C) Function						5-11-91	PH
660	Pack						6-18-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611671

DATE 4/23/91

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.24	2.28	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.22	2.26	2.35	
PULL #3	2.29	2.22	2.23	2.39	
PULL #4	2.32	2.24	2.29	2.39	
PULL #5	2.31	2.23	2.30	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.50		
PULL #2	3.39	3.53		
PULL #3	3.48	3.54		
PULL #4	3.41	3.48		
PULL #5	3.26	3.49		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.43		4.47
PULL #2	4.17	4.32		4.46
PULL #3	4.56	4.33		4.42
PULL #4	4.37	4.39		4.48
PULL #5	4.20	4.32		4.52
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611671
30 Apr 1991

CENTROIDAL DISTANCES

0 TO 1	.297893
1 TO 2	.481889
1 TO 3	.291606
1 TO 4	.129248
1 TO 5	.188661

$\bar{x}$ <----POA

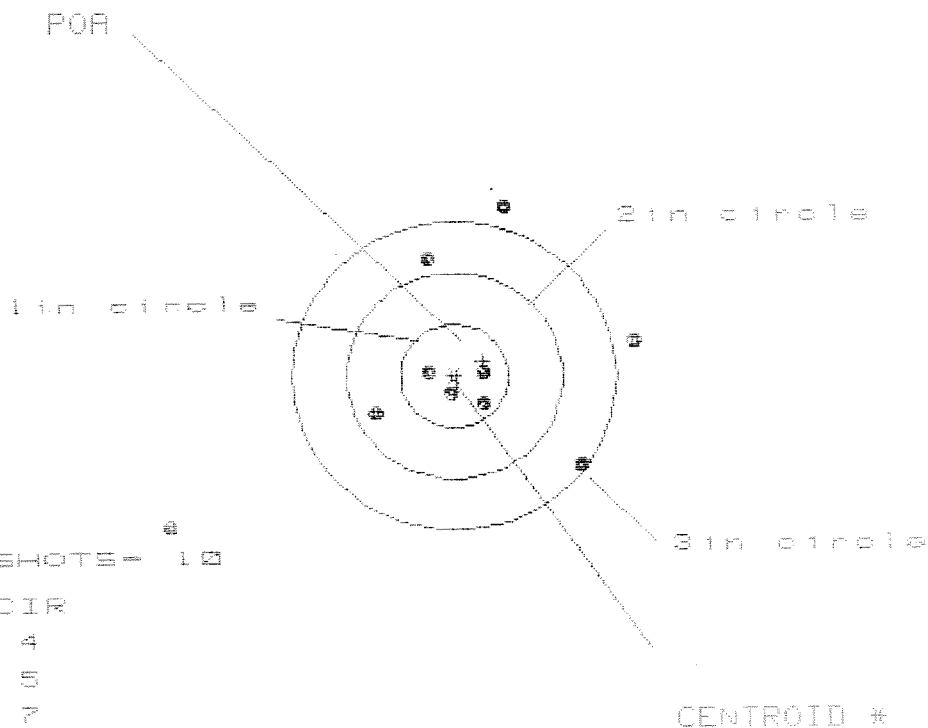
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1426
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0156
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .143451

THE AMR FOR THIS RIFLE IS: .9368

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811671

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS= 4.343

VS= 3.123

GS= 4.690

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.709	1.416	1.026
MINIMUM X	-2.634	-1.037	-0.860
MAXIMUM Y	1.649	1.486	1.502
MINIMUM Y	-1.474	-1.072	-1.056
CENTROID X	-.264	.029	-.148
CENTROID Y	-.138	.025	.009
POA TO CENTROID in.	.298	.038	.149
MIN RADIUS	.195	.097	.173
MEAN RADIUS	1.104	.898	.801
MAX RADIUS	3.018	1.497	1.545
HORIZONTAL SPREAD	4.343	2.453	1.886
VERTICAL SPREAD	3.123	2.558	2.558
EXTREME SPREAD	4.690	2.643	2.643
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611671

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.496

VS = 2.176

GS = 2.498

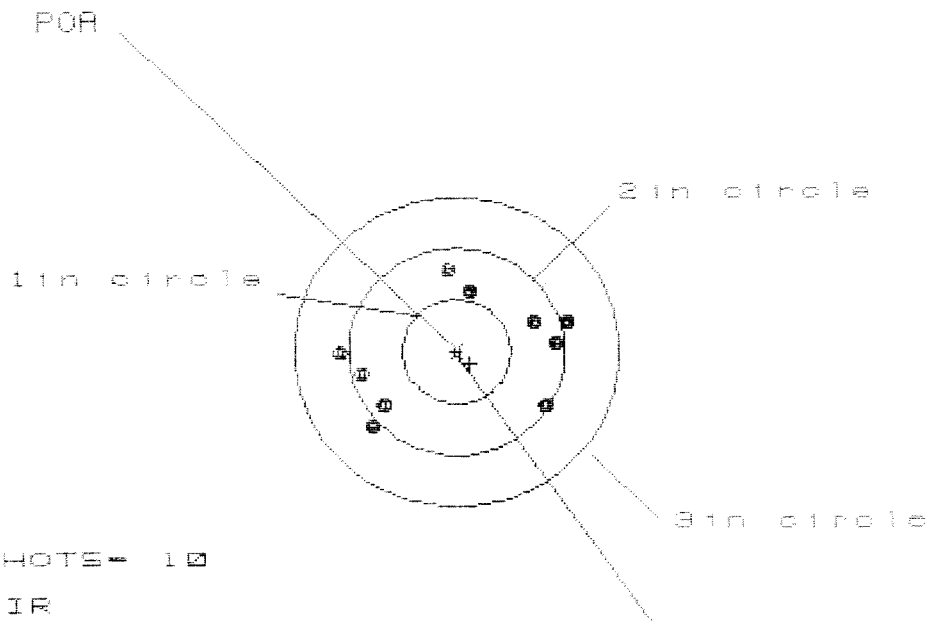
CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.285
MINIMUM X	-1.291
MAXIMUM Y	.940
MINIMUM Y	-1.236
CENTROID X	-.035
CENTROID Y	.286
POA TO CENTROID in.	.288
MIN RADIUS	.201
MEAN RADIUS	.787
MAX RADIUS	1.417
HORIZONTAL SPREAD	2.496
VERTICAL SPREAD	2.176
EXTREME SPREAD	2.498
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	10

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611671

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 0

2in = 7

3in = 10

HS = 2.088

VS = 1.546

GS = 2.107

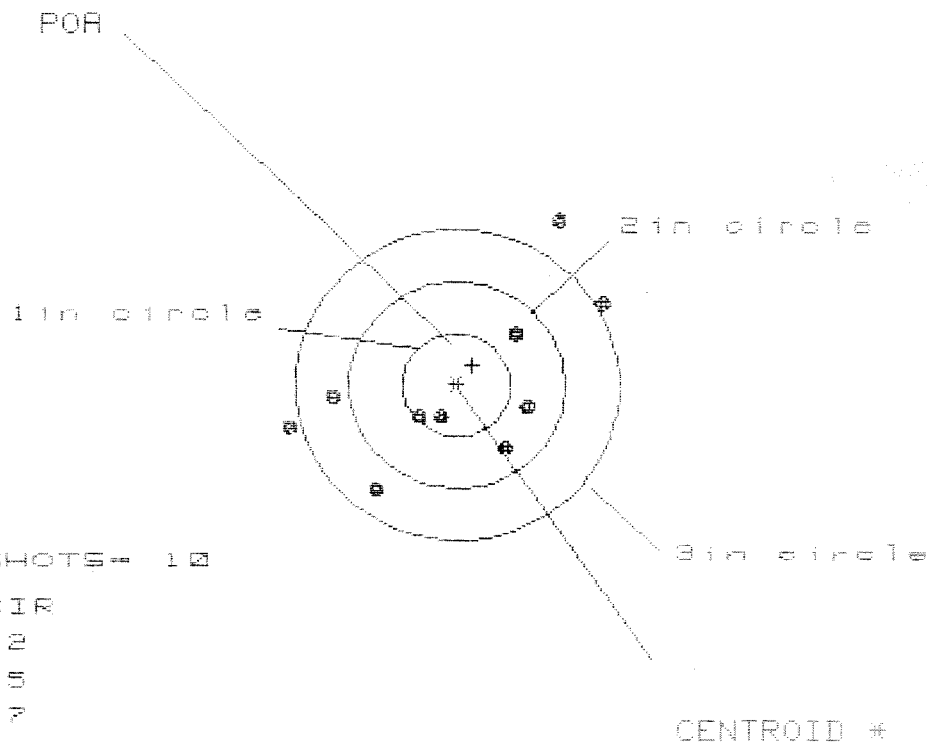
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.990	.868	.754
MINIMUM X	:	-1.098	-.956	-1.070
MAXIMUM Y	:	.791	.788	.693
MINIMUM Y	:	-.755	-.758	-.652
CENTROID X	:	-.119	.003	.117
CENTROID Y	:	.115	.118	.213
POA TO CENTROID in.	:	.165	.118	.243
MIN RADIUS	:	.629	.612	.528
MEAN RADIUS	:	.905	.870	.797
MAX RADIUS	:	1.099	1.188	1.137
HORIZONTAL SPREAD	:	2.088	1.824	1.824
VERTICAL SPREAD	:	1.546	1.546	1.345
EXTREME SPREAD	:	2.107	2.045	1.876
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611671

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS = 2.898

VS = 2.557

GS = 3.228

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.365	1.472	.959
MINIMUM X	:	-1.533	-1.426	-1.242
MAXIMUM Y	:	1.600	1.012	.825
MINIMUM Y	:	-.957	-.779	-.653
CENTROID X	:	-.148	-.255	-.439
CENTROID Y	:	-.195	-.373	-.499
POA TO CENTROID in.	:	.245	.452	.665
MIN RADIUS	:	.378	.173	.098
MEAN RADIUS	:	1.054	.915	.767
MAX RADIUS	:	1.869	1.786	1.250
HORIZONTAL SPREAD	:	2.898	2.898	2.281
VERTICAL SPREAD	:	2.557	1.791	1.478
EXTREME SPREAD	:	3.228	3.167	2.294
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

30 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611671

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 8

3in = 10

HS= 2.172

VS= 1.445

GS= 2.188

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.138	.728	.687
MINIMUM X	-1.034	-.907	-.708
MAXIMUM Y	.823	.766	.729
MINIMUM Y	-.622	-.679	-.716
CENTROID X	-.147	-.274	-.161
CENTROID Y	.010	.067	.104
POA TO CENTROID in.	.148	.282	.191
MIN RADIUS	.539	.468	.446
MEAN RADIUS	.804	.737	.707
MAX RADIUS	1.247	.976	.879
HORIZONTAL SPREAD	2.172	1.627	1.314
VERTICAL SPREAD	1.445	1.445	1.445
EXTREME SPREAD	2.188	1.850	1.683
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	