

C6225451

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225451

ORDER NO.
5716

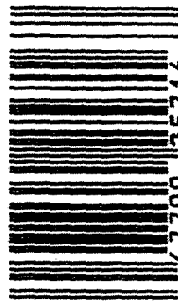
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225451

UPC



0 47700 25716 7

Serial Number:

Model: 700



SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225451.___0

FILE DATE AND TIME: 10/09/2002 14:12

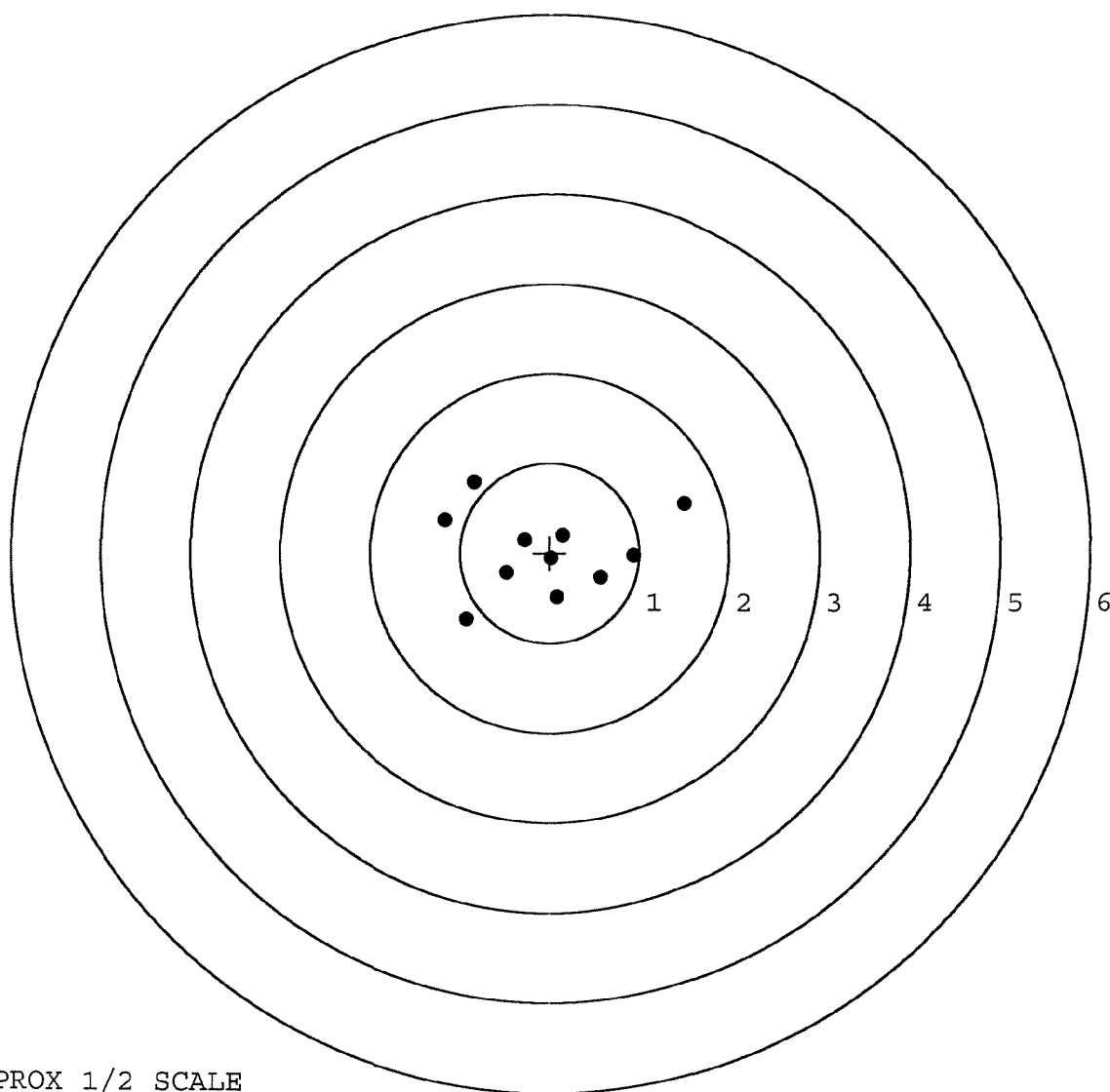
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.049
The Average Y Centroid of the Five Target Set:	-0.011
The Average Point of Impact of the Five Target Set:	0.050
The Average Mean Radius of the Five Target Set:	0.640
The Distance from POA to Centroid Target #1:	0.047
The Distance from Centroid Target #2 to Centroid Target #1:	0.036
The Distance from Centroid Target #3 to Centroid Target #1:	0.092
The Distance from Centroid Target #4 to Centroid Target #1:	0.025
The Distance from Centroid Target #5 to Centroid Target #1:	0.088

SERIAL NUMBER: C6225451.___0
TARGET NUMBER: 1
FILE DATE: 10/09/2002
FILE TIME: 14:12

POINT#	X	Y
1:	0.018	-0.062
2:	1.494	0.543
3:	0.938	-0.035
4:	0.573	-0.277
5:	0.142	0.194
6:	0.081	-0.497
7:	-0.283	0.141
8:	-0.481	-0.220
9:	-0.932	-0.738
10:	-1.178	0.370
11:	-0.850	0.789

X CENTROID: -0.043
Y CENTROID: 0.019
POA TO CENTROID: 0.047
HORZ SPREAD: 2.672
VERT SPREAD: 1.527
GROUP SPREAD: 2.743
MIN RADIUS: 0.102
MAX RADIUS: 1.624
MEAN RADIUS: 0.765
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

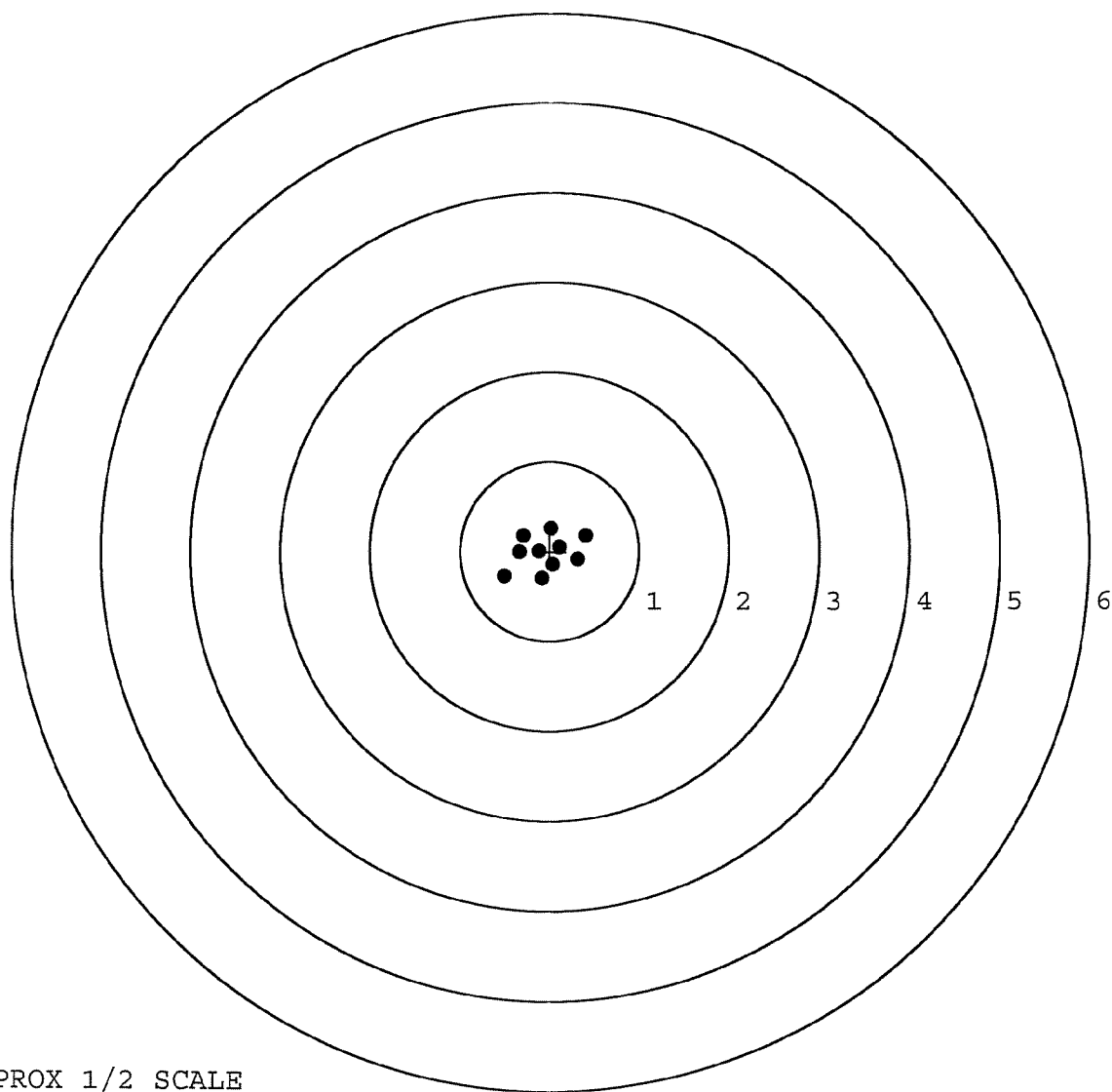


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225451.____0
TARGET NUMBER: 2
FILE DATE: 10/09/2002
FILE TIME: 14:12

POINT#	X	Y
1:	-0.510	-0.275
2:	-0.087	-0.300
3:	-0.345	-0.007
4:	-0.297	0.176
5:	0.019	0.254
6:	0.405	0.180
7:	0.320	-0.091
8:	0.038	-0.153
9:	-0.124	-0.001
10:	0.113	0.047

X CENTROID: -0.047
Y CENTROID: -0.017
POA TO CENTROID: 0.050
HORZ SPREAD: 0.915
VERT SPREAD: 0.554
GROUP SPREAD: 1.022
MIN RADIUS: 0.079
MAX RADIUS: 0.530
MEAN RADIUS: 0.299
IN 1 IN DIAMETER: 9
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

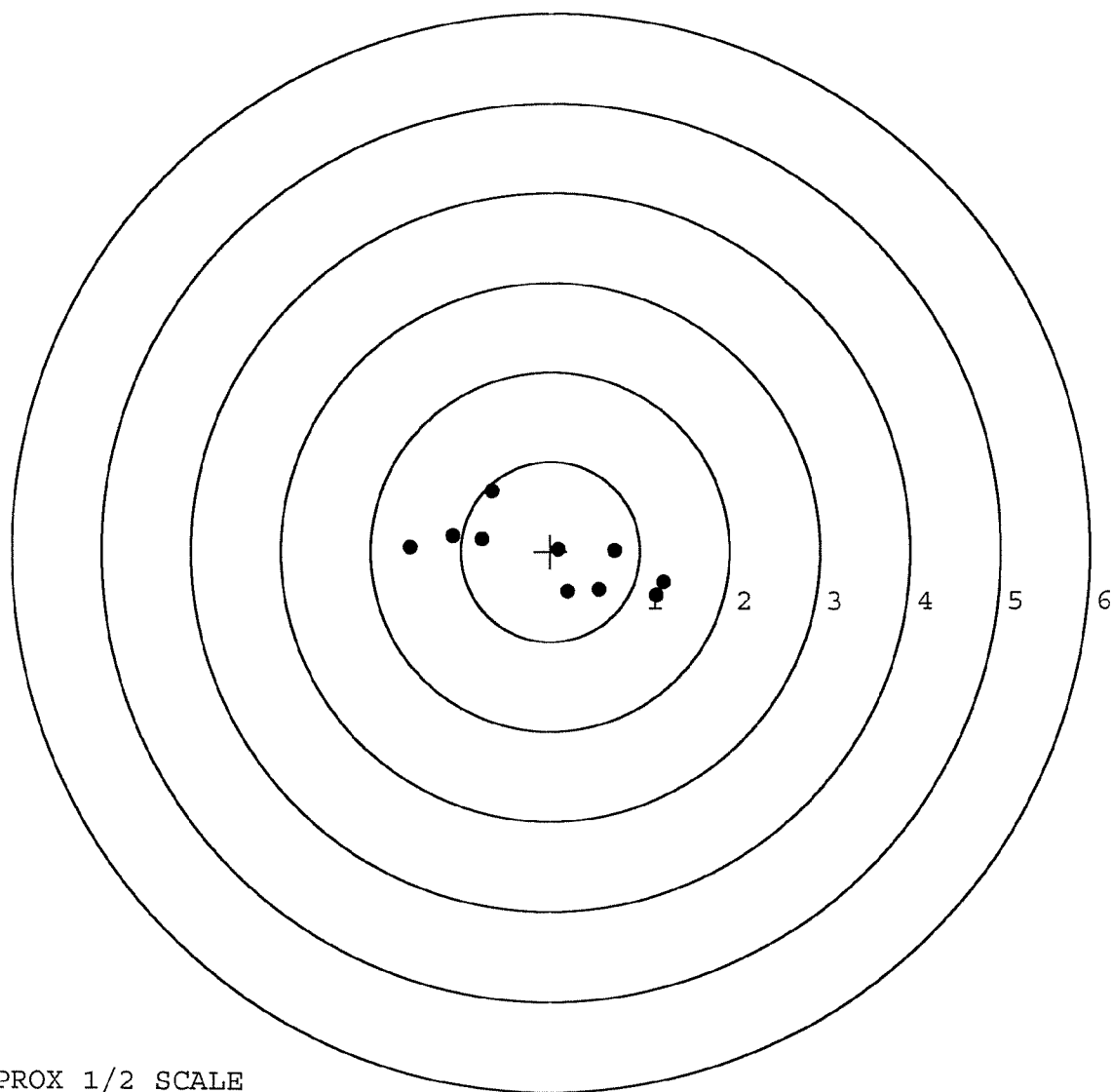


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225451. __0
TARGET NUMBER: 3
FILE DATE: 10/09/2002
FILE TIME: 14:12

POINT#	X	Y
1:	1.263	-0.351
2:	1.183	-0.499
3:	0.719	0.008
4:	0.542	-0.433
5:	0.194	-0.449
6:	0.093	0.025
7:	-0.763	0.140
8:	-1.091	0.175
9:	-0.659	0.671
10:	-1.565	0.049

X CENTROID: -0.008
Y CENTROID: -0.066
POA TO CENTROID: 0.067
HORZ SPREAD: 2.828
VERT SPREAD: 1.170
GROUP SPREAD: 2.856
MIN RADIUS: 0.137
MAX RADIUS: 1.561
MEAN RADIUS: 0.897
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

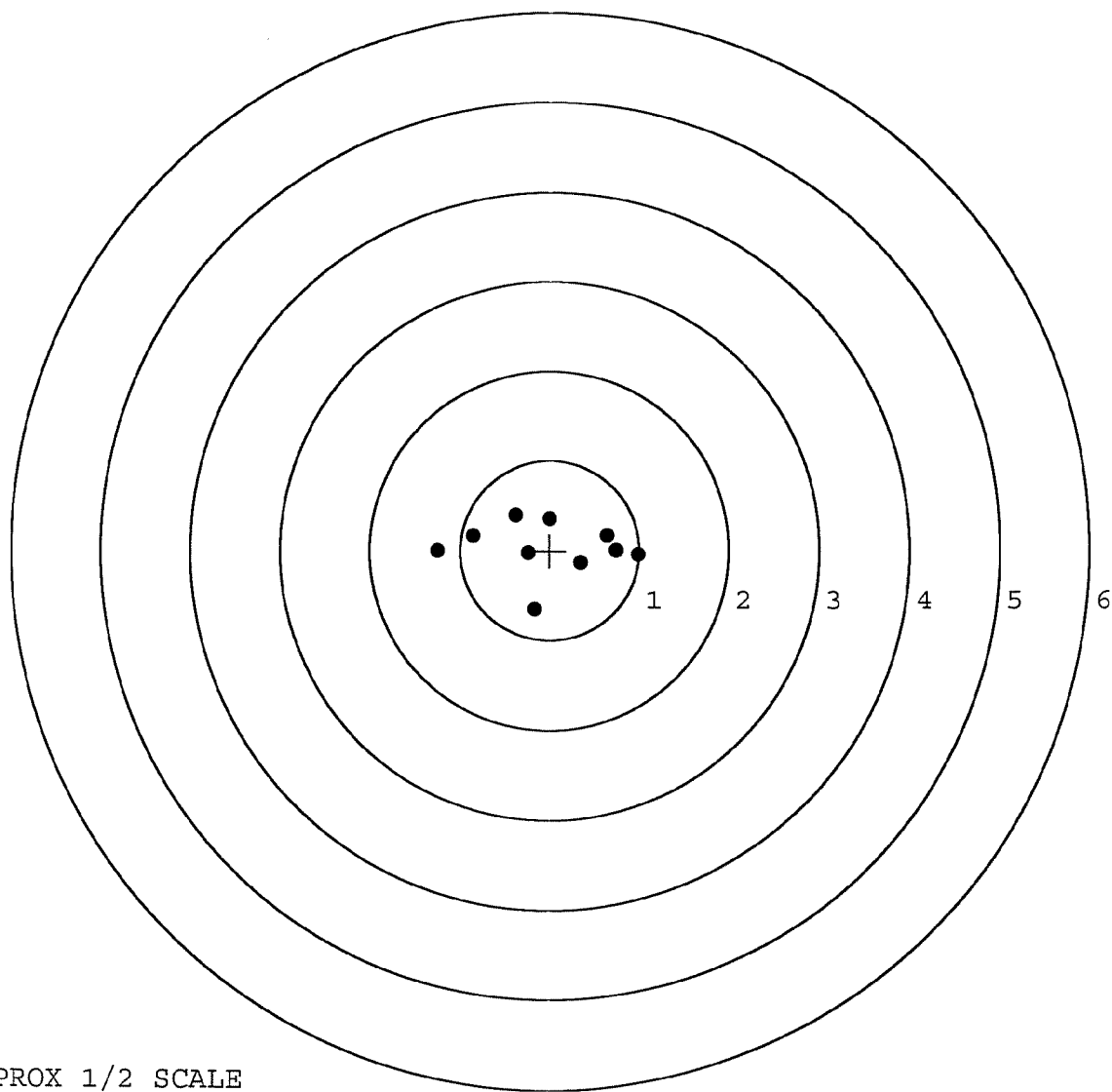


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225451.____0
TARGET NUMBER: 4
FILE DATE: 10/09/2002
FILE TIME: 14:12

POINT#	X	Y
1:	-0.171	-0.662
2:	-1.251	0.002
3:	-0.855	0.170
4:	-0.386	0.397
5:	-0.003	0.355
6:	-0.241	-0.030
7:	0.347	-0.136
8:	0.644	0.171
9:	0.742	-0.006
10:	0.989	-0.047

X CENTROID: -0.019
Y CENTROID: 0.021
POA TO CENTROID: 0.028
HORZ SPREAD: 2.240
VERT SPREAD: 1.059
GROUP SPREAD: 2.241
MIN RADIUS: 0.228
MAX RADIUS: 1.233
MEAN RADIUS: 0.672
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

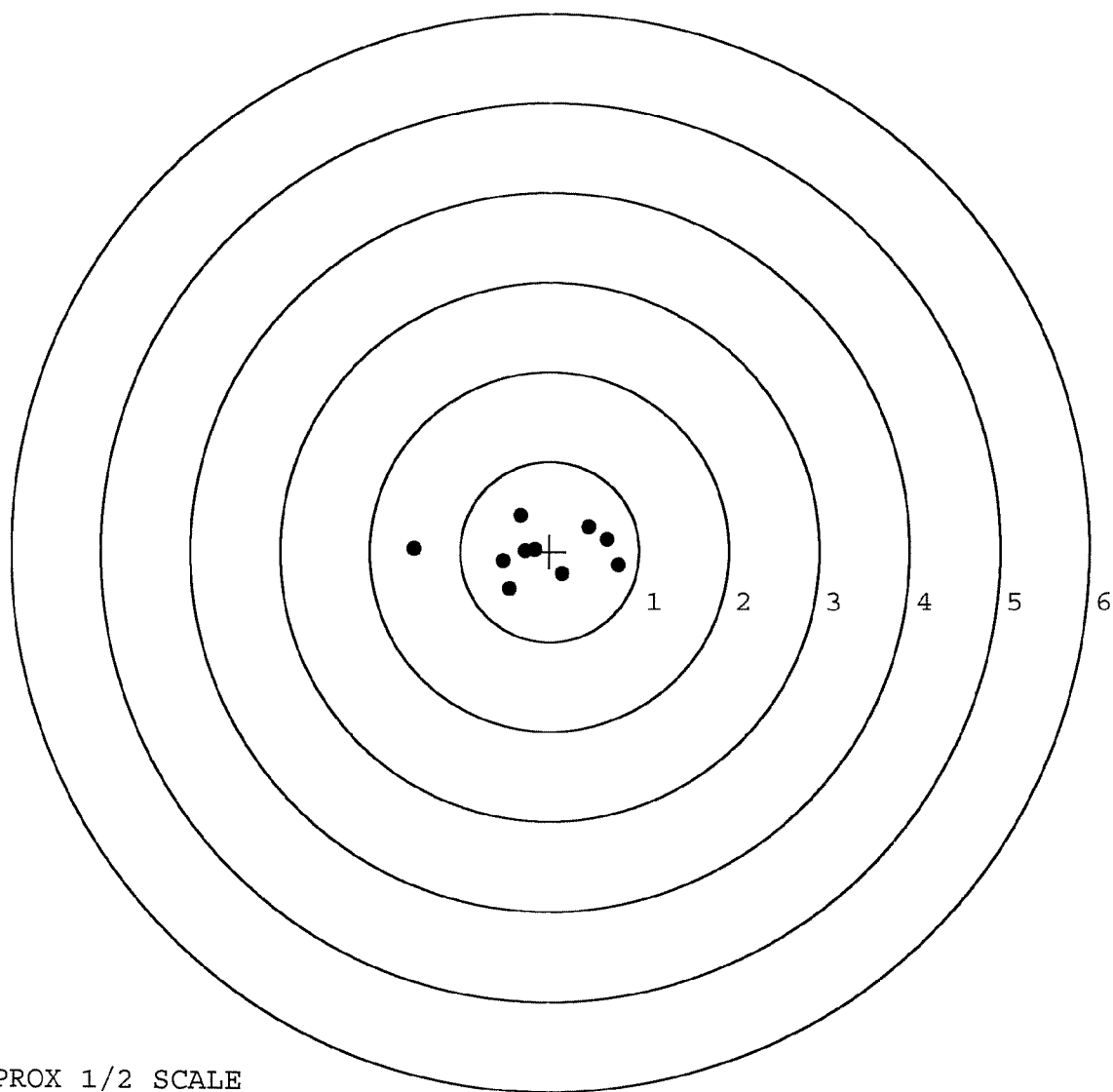


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225451. __0
TARGET NUMBER: 5
FILE DATE: 10/09/2002
FILE TIME: 14:12

POINT#	X	Y
1:	0.773	-0.156
2:	0.646	0.127
3:	0.439	0.268
4:	-0.331	0.397
5:	0.140	-0.253
6:	-0.168	0.014
7:	-0.522	-0.112
8:	-0.450	-0.418
9:	-1.512	0.032
10:	-0.279	-0.002

X CENTROID: -0.126
Y CENTROID: -0.010
POA TO CENTROID: 0.127
HORZ SPREAD: 2.285
VERT SPREAD: 0.815
GROUP SPREAD: 2.293
MIN RADIUS: 0.048
MAX RADIUS: 1.386
MEAN RADIUS: 0.566
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Final Inspection

n: C16225451

DATE REC'D: 9/19/02

DATE RET'D: 10/14/02

EDITOR: 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:

R & E NUMBER	52514		
SERIAL NUMBER	C6225451		
LOG-IN DATE	9/18/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9/20/02	RL
560 A	RE-BARREL	9/20/02	RA
B	DRILL AND TAP	9-21-02	AC
575	ASSEMBLE	9/24/02	RL
600	PROOF	9-25-02	AC
605	CHECK HEADSPACE	9-25-02	AC
610	DIS-ASSEMBLE GUN	9/24/02	RL
612	MAGNAFLUX	9/24/02	RL
615	ROLLMARK CALIBER	9/27/02	TU
618	ROTO-BLAST	9/30/02	NO
620	APPLY COATINGS	10-5	TA
625 A	FINAL ASSEMBLY	10/8/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-8-02	AC
655	FINAL INSPECT	10/11/02	RL
660	PACK	10-15-02	RA
		SHIP DATE	
QAR INSPECTION DATE			

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225451

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	4 4 89	RW
600	Proof		4 4 89	RW
607	Check Headspace		4 4 89	RW
610	Dis-assemble Gun		4 4 89	RW
612	Magnaflux Barrel Action		4-6 89	KCR
	Magnaflux Bolt		4-7 89	KCR
615	Rollmark Caliber		4-7 89	G.S.
617	Drill and Tap Sight Holes		4 7 89	F.B
618	Polish Barrel		4 7 89	BT
620	Apply Coatings (Barrel Action)		4-9-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/19/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/19/89	RW
	C) Inspect Ejector Hole for Chamfer		4/19/89	RW
	D) Oil Firing Pin Ass'y		4/19/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/20/89	S.S.

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	5	4/20/89	JU		
	G) Safety Off Force	3	3	3	4/20/89	JU		
	H) Trigger Pull Test & Retainability				4/20/89	Z.S.		
	I) Firing Pin Indent	.020	.020	.020	4/24/89	JU		
	J) Assemble Stock				4/26/89	RW		
	K) Assemble Swivel Studs				27 April 89	JS		
	L) Attach Front and Rear Sight Assemblies				4/26/89	RW		
	M) Iron Sight Alignment				4/26/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				4/26/89	RW		
	O) Attach Scope to Rifle				4/26/89	JU		
	P) Detach & Attach Scope 20 Times				4/26/89	JU		
640	Gallery Target & Test	49 R	103 L	4/26/89	A			
	A) Time			4/26/89	A			
	B) Malfunctions			4/26/89	A			
	C) Pierced Primers			4/26/89	AC			
	D) Optical Clarity of Scope			4/26/89	A			
645	Inspect for Live Ammo			4/26/89	A			
655	Final Inspection							
	A) Headspace				27 April 89	JS		
	B) Trigger Pull	2.69	2.72	2.66	2.75	2.75	27 April 89	JS
	C) Function						27 April 89	JS
660	Pack				27 June 89	JS		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6225451
DATE 19 April 89
TESTER JSS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.38	2.38	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.29	2.30	2.72	
PULL #3	2.42	2.33	2.34	2.66	
PULL #4	2.51	2.42	2.34	2.75	
PULL #5	2.38	2.58	2.37	2.73	
TOTAL	12.12	12.00	11.73	13.57	
AVG.	2.424	2.40	2.346	2.714	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.42		
PULL #2	3.26	3.18		
PULL #3	3.32	3.23		
PULL #4	3.34	3.26		
PULL #5	3.32	3.27		
TOTAL	16.56	16.26		
AVG.	3.312	3.252		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.18		4.23
PULL #2	4.27	4.13		4.13
PULL #3	4.22	4.22		4.16
PULL #4	4.25	4.33		4.19
PULL #5	4.29	4.18		4.19
TOTAL	21.32	20.94		20.90
AVG.	4.264	4.188		4.18

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225451
26 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	1.09991
1 TO	2	.741227
1 TO	3	.782001
1 TO	4	1.41719
1 TO	5	1.19705

$\frac{+T}{2}$: ----FOR
2 1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1212
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.3852
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .403817
THE AMP FOR THIS RIFLE IS: 1.161

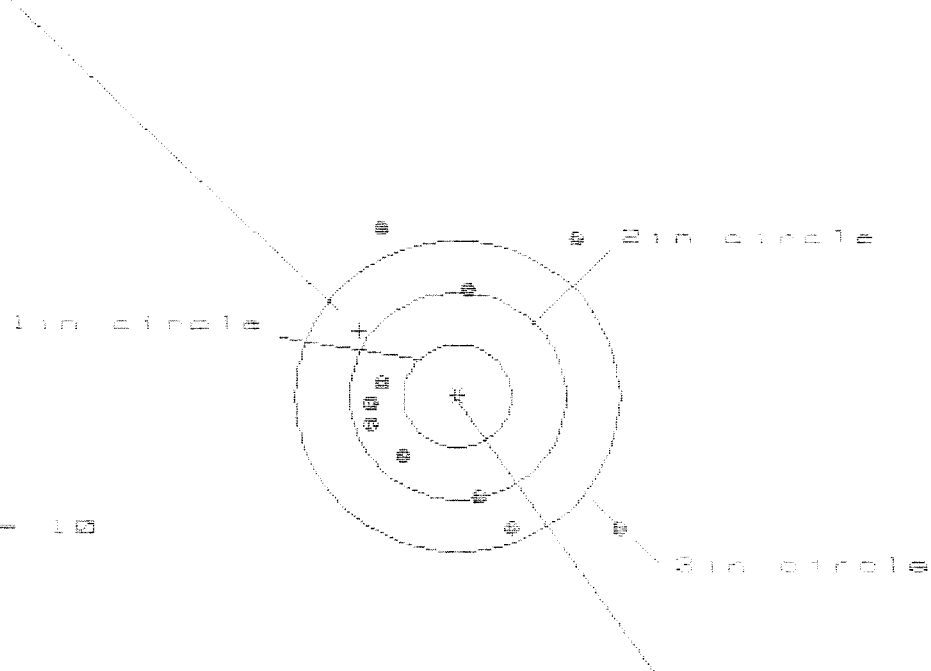
26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06223451

CENTERFIRE PATTERNS

1

POA



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS = 2.350

VS = 2.853

GS = 3.582

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.531	1.307	.861
MINIMUM X	-.820	-.649	-.486
MAXIMUM Y	1.581	1.445	1.621
MINIMUM Y	-1.272	-1.408	-1.232
CENTROID X	.903	.733	.570
CENTROID Y	-.628	-.492	-.668
POA TO CENTROID in.	1.100	.883	.878
MIN RADIUS	.677	.496	.370
MEAN RADIUS	1.207	1.037	.907
MAX RADIUS	1.961	1.924	1.661
HORIZONTAL SPREAD	2.350	1.956	1.347
VERTICAL SPREAD	2.853	2.853	2.853
EXTREME SPREAD	3.582	3.104	3.104
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225451

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 2.822

VS= 3.410

GS= 3.853

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.427	1.272	1.303
MINIMUM X	:	-1.395	-1.458	-1.427
MAXIMUM Y	:	1.720	1.454	1.267
MINIMUM Y	:	-1.690	-1.499	-1.015
CENTROID X	:	.210	.365	.334
CENTROID Y	:	-.365	-.556	-.369
POA TO CENTROID in.	:	.421	.665	.498
MIN RADIUS	:	.340	.206	.354
MEAN RADIUS	:	1.315	1.183	1.147
MAX RADIUS	:	2.214	1.643	1.538
HORIZONTAL SPREAD	:	2.822	2.730	2.730
VERTICAL SPREAD	:	3.410	2.953	2.282
EXTREME SPREAD	:	3.853	2.953	2.918
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225451

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.172

VS = 2.424

GS = 3.266

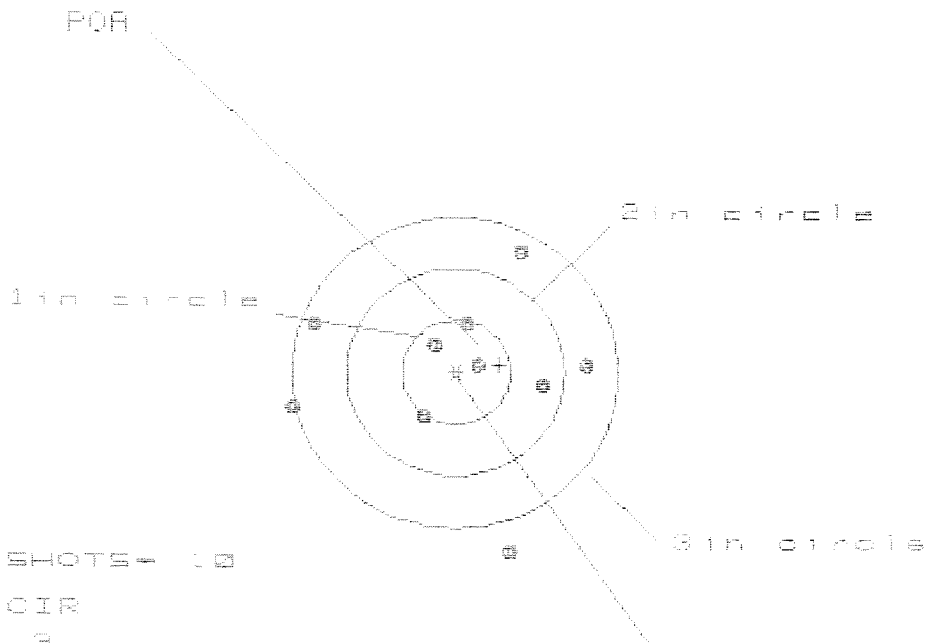
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.525	1.342	1.298
MINIMUM X	:	-1.647	-1.264	-1.317
MAXIMUM Y	:	.758	.691	.474
MINIMUM Y	:	-1.666	-1.733	-1.475
CENTROID X	:	.121	.304	.357
CENTROID Y	:	-.627	-.560	-.343
POA TO CENTROID in.	:	.609	.637	.496
MIN RADIUS	:	.388	.450	.409
MEAN RADIUS	:	1.074	.984	.855
MAX RADIUS	:	1.755	1.785	1.356
HORIZONTAL SPREAD	:	3.172	2.606	2.606
VERTICAL SPREAD	:	2.424	2.424	.950
EXTREME SPREAD	:	3.266	2.642	2.642
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225451

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.713

VS = 2.990

GS = 2.993

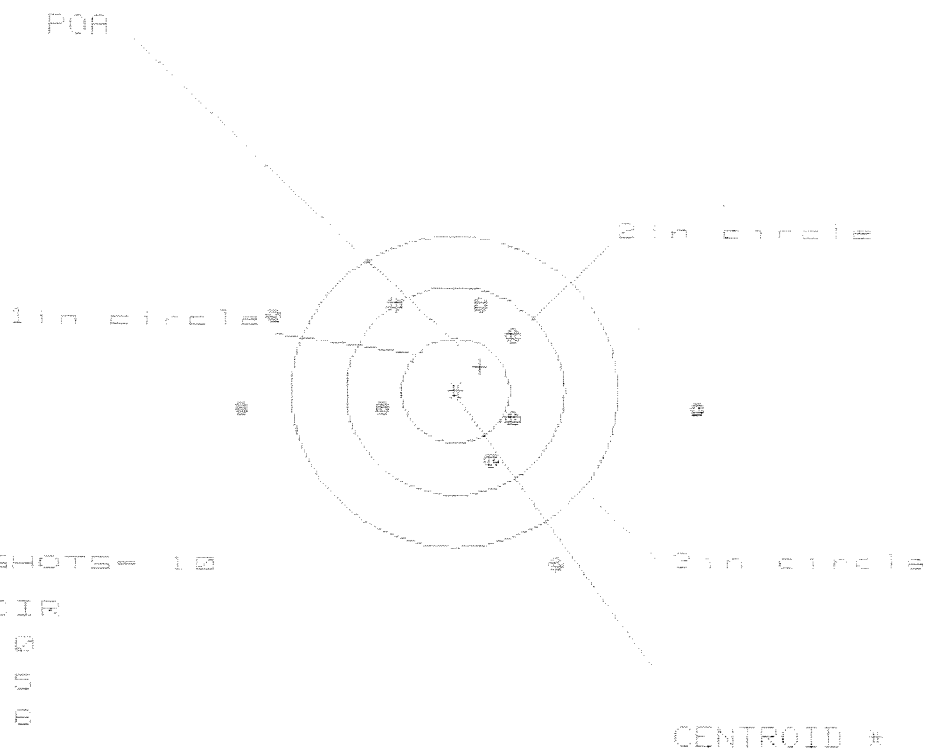
CENTROID *

PATTERN #	4	3	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.189	1.244	1.060
MINIMUM X	-1.524	-1.469	-1.384
MAXIMUM Y	1.214	1.016	.957
MINIMUM Y	-1.776	-1.608	-1.667
CENTROID X	-.401	-.456	-.272
CENTROID Y	-.073	.125	.184
POA TO CENTROID in.	.407	.473	.329
MIN RADIUS	.214	.218	.154
MEAN RADIUS	.964	.839	.728
MAX RADIUS	1.844	1.545	1.400
HORIZONTAL SPREAD	2.713	2.713	2.444
VERTICAL SPREAD	2.990	1.624	1.624
EXTREME SPREAD	2.993	2.732	2.485
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

26 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06225451

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 6

HS= 4.133

VS= 2.464

GS= 4.133

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	2.193
MINIMUM X	-1.940
MAXIMUM Y	.846
MINIMUM Y	-1.618
CENTROID X	-.227
CENTROID Y	-.233
POA TO CENTROID in.	.325
MIN RADIUS	.534
MEAN RADIUS	1.247
MAX RADIUS	2.198
HORIZONTAL SPREAD	4.133
VERTICAL SPREAD	2.464
EXTREME SPREAD	4.133
NUMBER IN ONE INCH CIRCLE	= 0
NUMBER IN TWO INCH CIRCLE	= 5
NUMBER IN THREE INCH CIRCLE	= 6