

C6225256

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225256.___0
FILE DATE AND TIME: 08/07/2002 11:57

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.170
The Average Y Centroid of the Five Target Set:	-0.053
The Average Point of Impact of the Five Target Set:	0.178
The Average Mean Radius of the Five Target Set:	0.630
The Distance from POA to Centroid Target #1:	0.349
The Distance from Centroid Target #2 to Centroid Target #1:	0.143
The Distance from Centroid Target #3 to Centroid Target #1:	0.305
The Distance from Centroid Target #4 to Centroid Target #1:	0.190
The Distance from Centroid Target #5 to Centroid Target #1:	0.234

SERIAL NUMBER: C6225256. __0

TARGET NUMBER: 1

FILE DATE: 08/07/2002

FILE TIME: 11:57

POINT#	X	Y
1:	0.792	-0.298
2:	0.120	-0.266
3:	-0.267	-0.356
4:	-0.429	-0.580
5:	-0.482	-0.803
6:	-0.683	-1.024
7:	-0.225	0.238
8:	-0.747	0.276
9:	-0.550	0.617
10:	-0.738	0.815

X CENTROID: -0.321

Y CENTROID: -0.138

POA TO CENTROID: 0.349

HORZ SPREAD: 1.539

VERT SPREAD: 1.839

GROUP SPREAD: 1.892

MIN RADIUS: 0.224

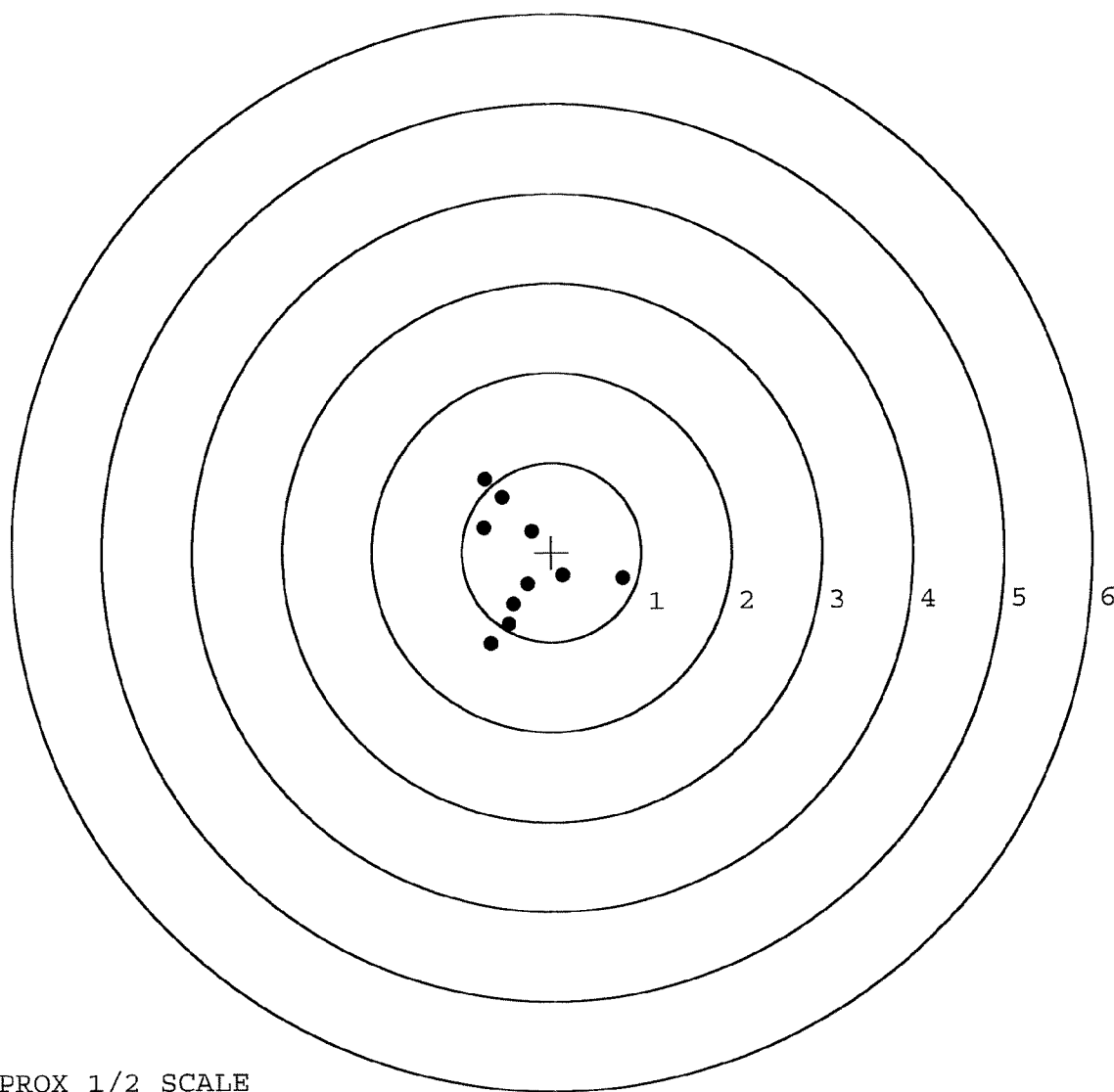
MAX RADIUS: 1.124

MEAN RADIUS: 0.672

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

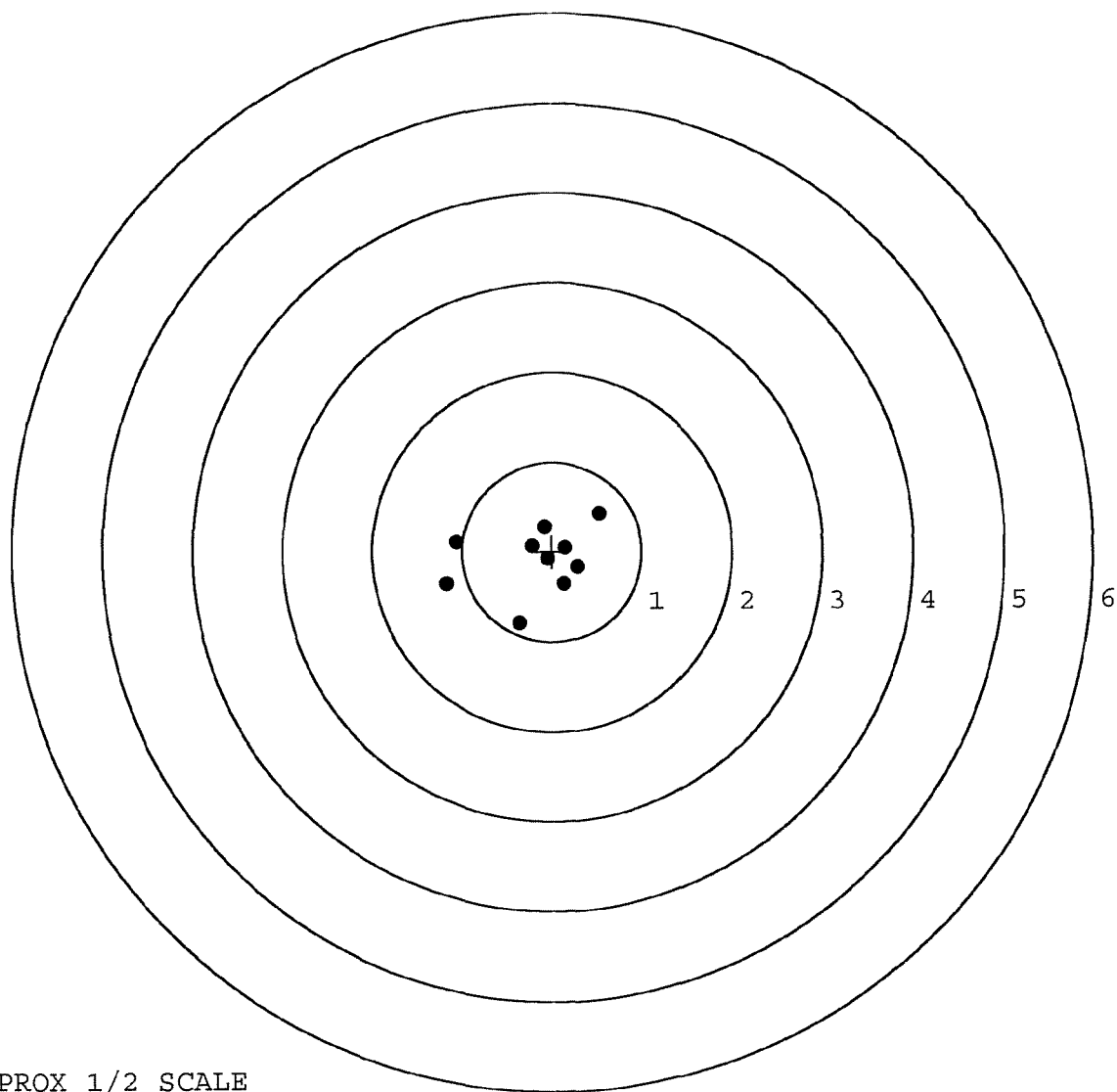
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225256. __0
TARGET NUMBER: 2
FILE DATE: 08/07/2002
FILE TIME: 11:57

	POINT#	X	Y
	1:	0.521	0.429
	2:	-1.064	0.109
	3:	-1.174	-0.365
	4:	-0.372	-0.798
	5:	0.135	-0.362
	6:	0.289	-0.168
	7:	0.152	0.043
	8:	-0.049	-0.082
	9:	-0.224	0.061
	10:	-0.091	0.275
X CENTROID:		-0.188	
Y CENTROID:		-0.086	
POA TO CENTROID:		0.206	
HORZ SPREAD:		1.695	
VERT SPREAD:		1.227	
GROUP SPREAD:		1.872	
MIN RADIUS:		0.139	
MAX RADIUS:		1.025	
MEAN RADIUS:		0.547	
# IN 1 IN DIAMETER:		6	
# IN 2 IN DIAMETER:		9	
# in 3 IN DIAMETER:		10	

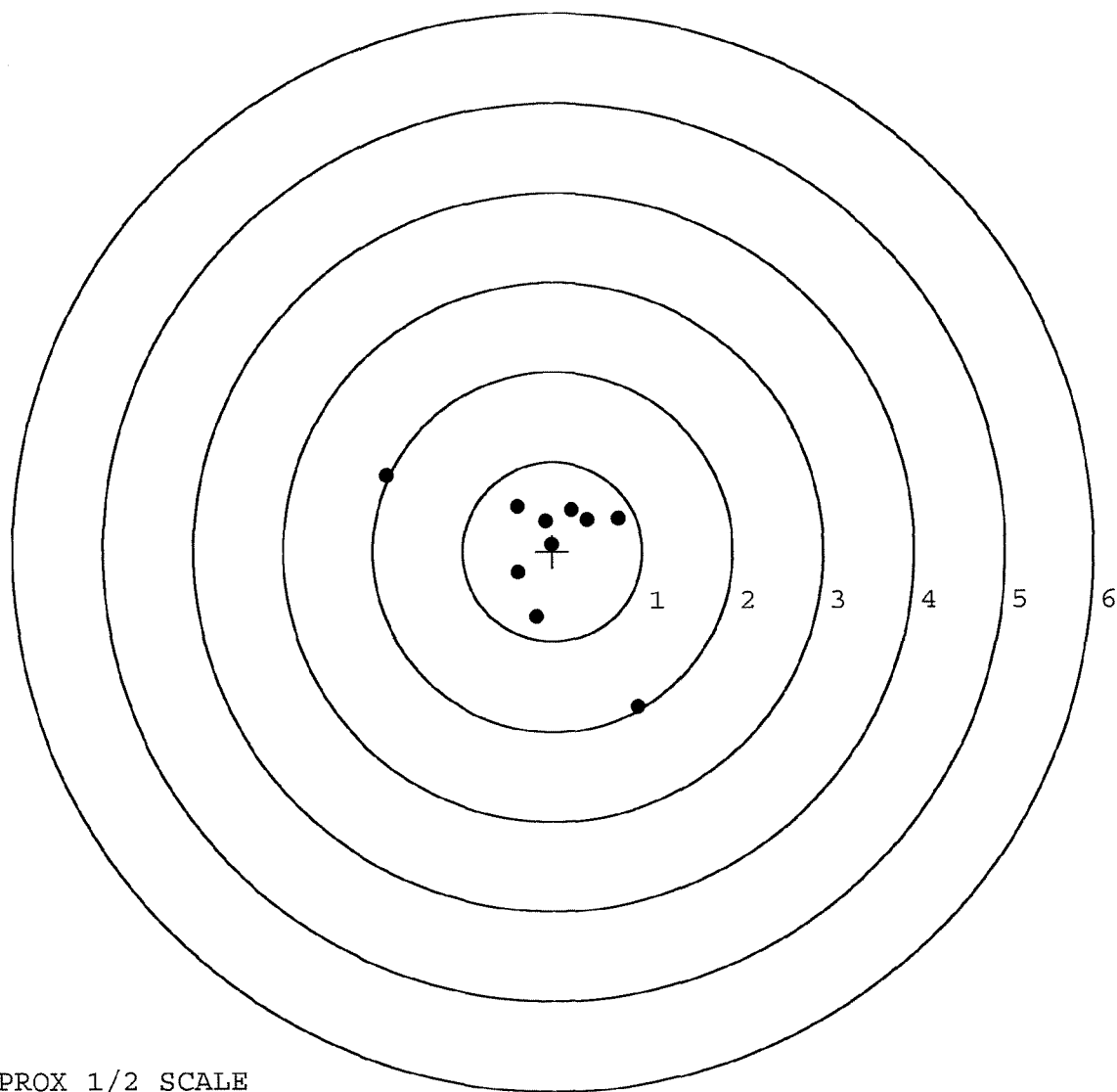


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225256. __0
TARGET NUMBER: 3
FILE DATE: 08/07/2002
FILE TIME: 11:57

X CENTROID: -0.063
Y CENTROID: 0.025
POA TO CENTROID: 0.068
HORZ SPREAD: 2.782
VERT SPREAD: 2.579
GROUP SPREAD: 3.794
MIN RADIUS: 0.073
MAX RADIUS: 2.023
MEAN RADIUS: 0.807
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.733	0.370
2:	0.386	0.355
3:	0.209	0.464
4:	-0.080	0.334
5:	-0.010	0.074
6:	-0.396	0.502
7:	-0.389	-0.235
8:	-0.186	-0.734
9:	-1.841	0.847
10:	0.941	-1.732

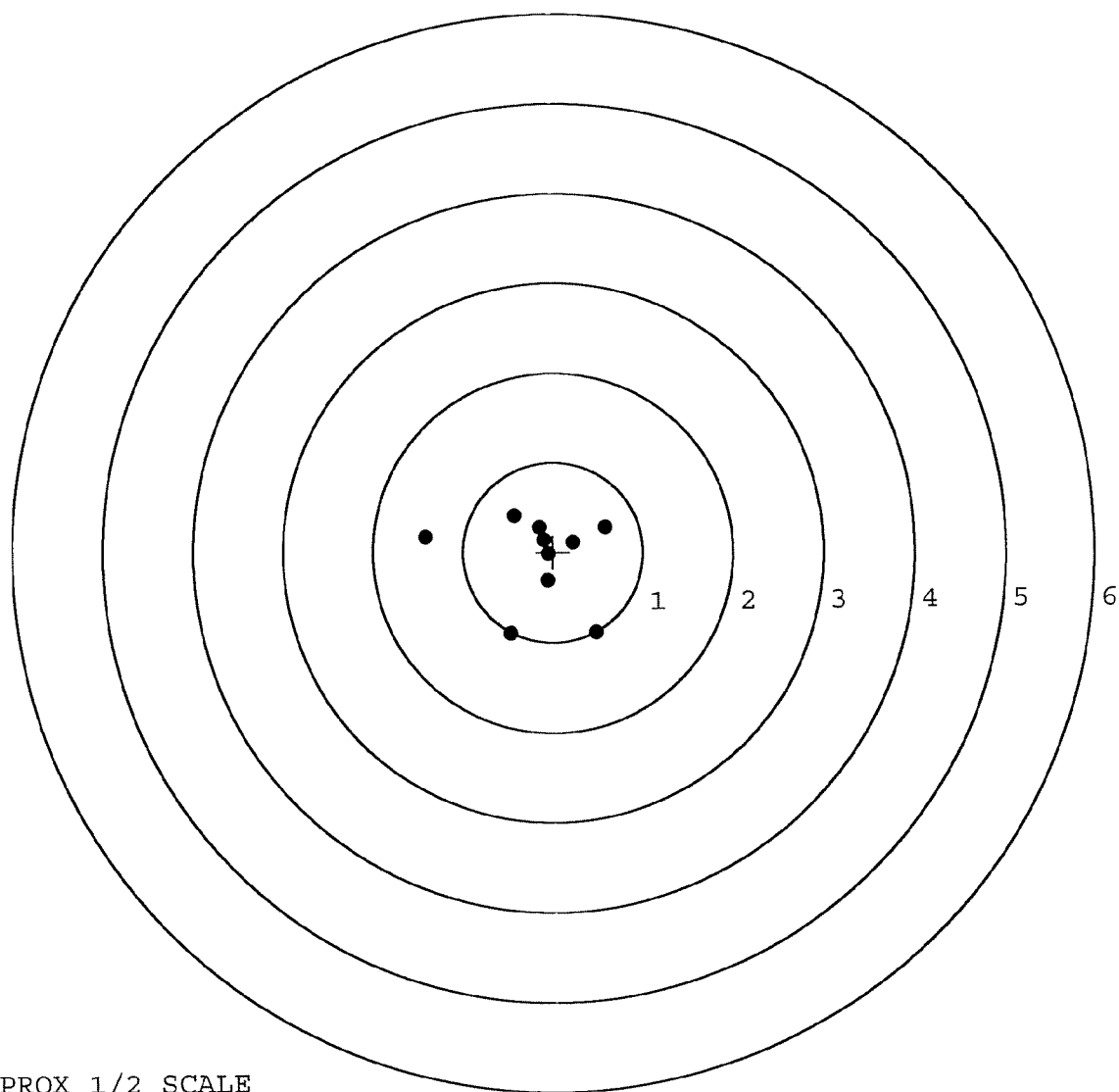


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225256. __0
TARGET NUMBER: 4
FILE DATE: 08/07/2002
FILE TIME: 11:57

POINT#	X	Y
1:	0.479	-0.894
2:	-0.480	-0.903
3:	0.586	0.278
4:	-0.063	-0.325
5:	-1.414	0.178
6:	-0.430	0.408
7:	-0.152	0.278
8:	0.225	0.111
9:	-0.059	-0.022
10:	-0.104	0.139

X CENTROID: -0.141
Y CENTROID: -0.075
POA TO CENTROID: 0.160
HORZ SPREAD: 2.000
VERT SPREAD: 1.311
GROUP SPREAD: 2.175
MIN RADIUS: 0.098
MAX RADIUS: 1.298
MEAN RADIUS: 0.593
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

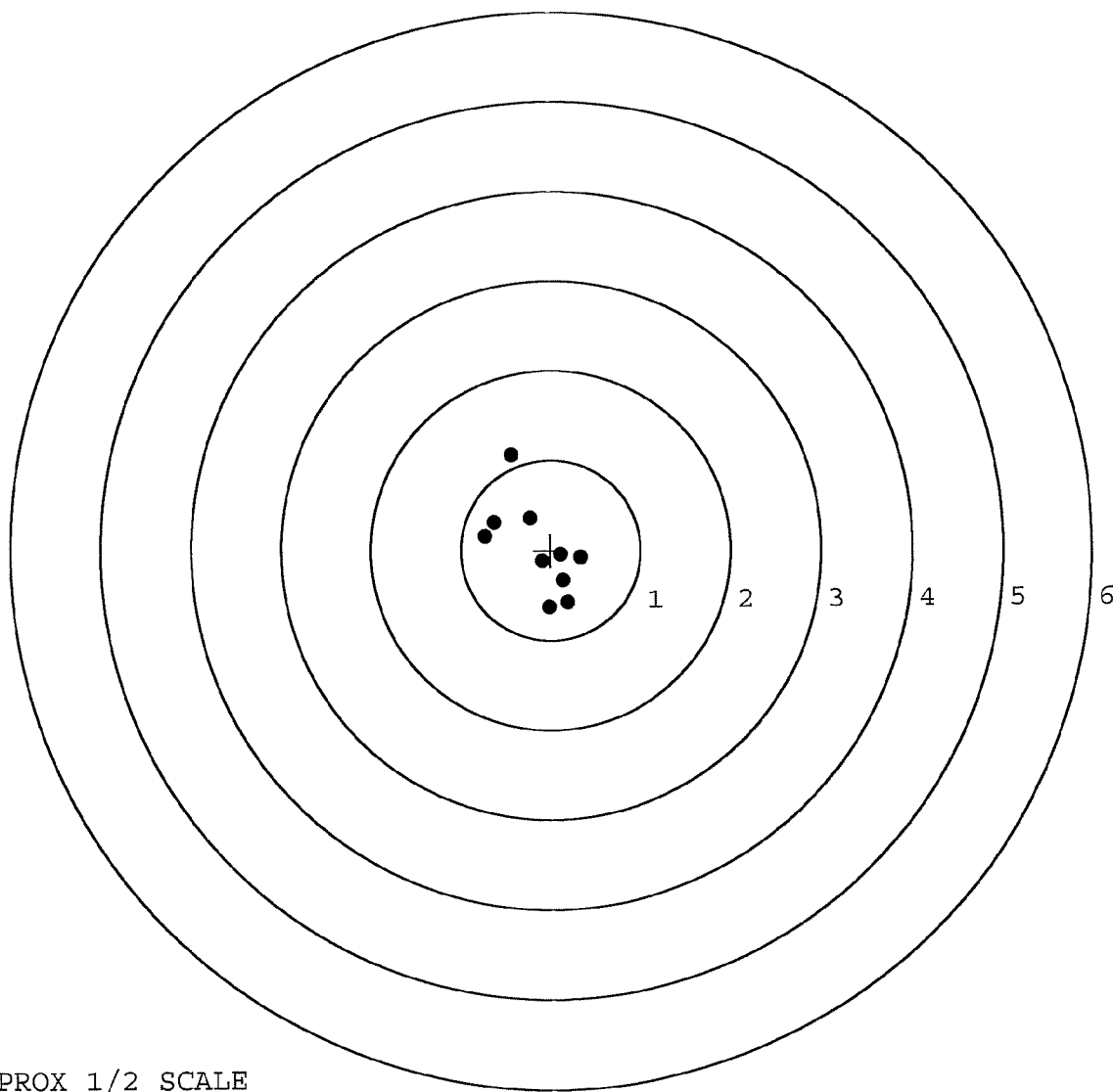


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225256. __0
TARGET NUMBER: 5
FILE DATE: 08/07/2002
FILE TIME: 11:57

X CENTROID: -0.137
Y CENTROID: 0.007
POA TO CENTROID: 0.137
HORZ SPREAD: 1.068
VERT SPREAD: 1.696
GROUP SPREAD: 1.753
MIN RADIUS: 0.136
MAX RADIUS: 1.092
MEAN RADIUS: 0.528
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.730	0.156
2:	-0.627	0.308
3:	-0.438	1.057
4:	-0.228	0.360
5:	0.338	-0.080
6:	-0.099	-0.123
7:	0.135	-0.339
8:	0.190	-0.580
9:	-0.023	-0.639
10:	0.112	-0.047



TARGET APPROX 1/2 SCALE

Final Inspection

In: C6276254

DATE REC'D: 7/12/02

DATE RET'D: 8/6/02

Inspector: 

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

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:

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

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

R & E NUMBER	49174		
SERIAL NUMBER	C62252.54		
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	RL
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/20/02	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 7/23/02	RL
618	ROTO-BLAST	INSPECTED 7/25/02	RL
620	APPLY COATINGS	JUL 23 2002 7-26	TA
625 A	FINAL ASSEMBLY	OPERATOR RK 8/7/02	RL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-6-02	TRW
655	FINAL INSPECT	8-6-02	RL
660	PACK	8-6-02	RL
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225256

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	GL
617	Drill and Tap Sight Holes	4 27	89	YP
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/15/89	ISA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/17/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/17/89	RW
	C) Inspect Ejector Hole for Chamfer		5/17/89	RW
	D) Oil Firing Pin Ass'y		5/17/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/23/89	J. U.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			5/23/89	RW
	G) Safety Off Force	4	4	4			5/23/89	RW
	H) Trigger Pull Test & Retainability						5/23/89	JW
	I) Firing Pin Indent	.021	.021	.021			5/23/89	RW
	J) Assemble Stock						5/23/89	RW
	K) Assemble Swivel Studs						25 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/23/89	RW
	M) Iron Sight Alignment						5/23/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/23/89	RW
	O) Attach Scope to Rifle						5/23/89	WCB
	P) Detach & Attach Scope 20 Times						5/23/89	WCB
640	Gallery Target & Test	49R	109L				5/24/89	DH
	A) Time						5/24/89	DH
	B) Malfunctions						5/24/89	DH
	C) Pierced Primers						5/24/89	DH
	D) Optical Clarity of Scope						5/24/89	DH
645	Inspect for Live Ammo						5/24/89	DH
655	Final Inspection							
	A) Headspace						25 May 89	JS
	B) Trigger Pull	2.37	2.16	2.18	2.25	2.37	25 May 89	JS
	C) Function						25 May 89	JS
660	Pack						26 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. C6225256

DATE 23 May 89

TESTER ES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	252	255	274	237	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	252	252	263	216	
PULL #3	250	255	275	215	
PULL #4	252	264	261	225	
PULL #5	261	244	269	237	
TOTAL	1267	1270	1342	1130	
AVG.	253.4	254	268.4	226	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	347	313		
PULL #2	338	323		
PULL #3	336	332		
PULL #4	331	337		
PULL #5	330	347		
TOTAL	1688	1652		
AVG.	337.6	330.4		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	425	403		422
PULL #2	421	400		427
PULL #3	414	402		425
PULL #4	427	411		430
PULL #5	415	414		434
TOTAL	2102	2030		2138
AVG.	420.4	406		427.6

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225256
30 May 1989

CENTROIDAL DISTANCES

0 TO	1	.287924
1 TO	2	.476055
1 TO	3	.387485
1 TO	4	.372308
1 TO	5	.270675

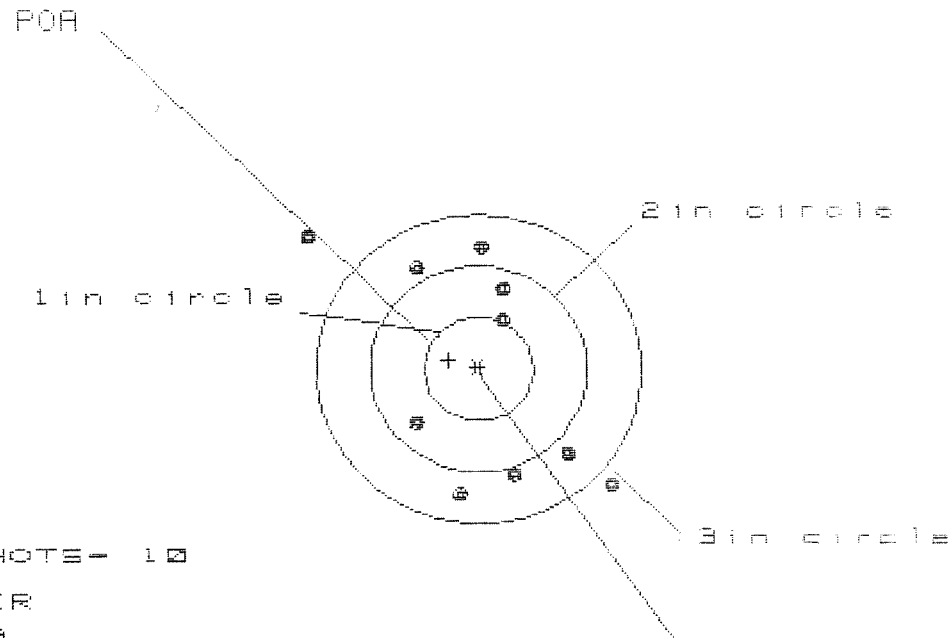
$\bar{x}_1$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1126
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0356
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .118094
THE AMR FOR THIS RIFLE IS: .9954

24 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225236

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 2.794

VS= 2.491

GS= 3.680

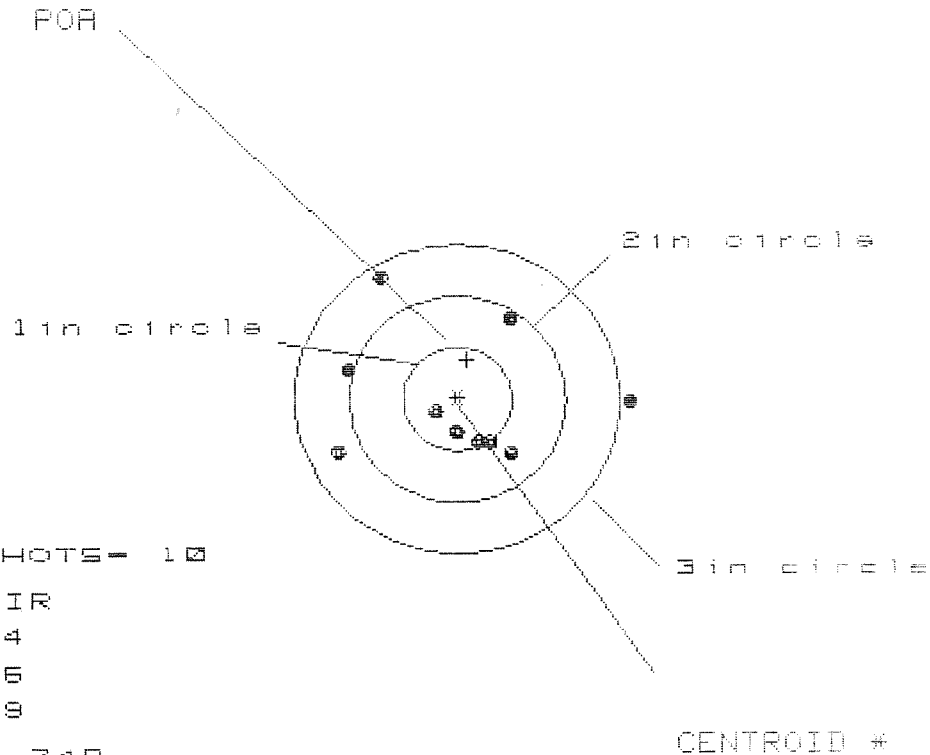
CENTROID +

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.200	1.022	.759
MINIMUM X	:	-1.595	-.741	-.613
MAXIMUM Y	:	1.266	1.365	1.242
MINIMUM Y	:	-1.224	-1.084	-1.207
CENTROID X	:	.276	.454	.326
CENTROID Y	:	-.082	-.223	-.100
POA TO CENTROID in.	:	.289	.506	.341
MIN RADIUS	:	.543	.647	.544
MEAN RADIUS	:	1.176	1.069	1.009
MAX RADIUS	:	2.036	1.422	1.242
HORIZONTAL SPREAD	:	2.794	1.763	1.372
VERTICAL SPREAD	:	2.491	2.449	2.449
EXTREME SPREAD	:	3.680	2.764	2.461
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	8		

24 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225256

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.749

VS= 1.719

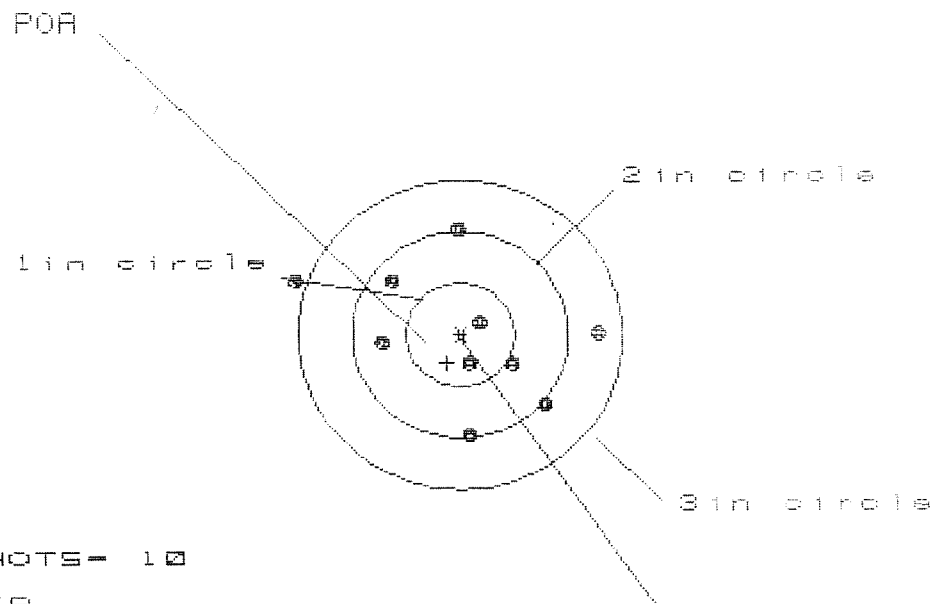
GS= 2.787

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.610	.702	.631
MINIMUM X	:	-1.139	-.960	-1.030
MAXIMUM Y	:	1.217	1.216	.944
MINIMUM Y	:	-.502	-.503	-.352
CENTROID X	:	-.092	-.271	-.201
CENTROID Y	:	-.384	-.383	-.534
POA TO CENTROID in.	:	.395	.469	.571
MIN RADIUS	:	.289	.164	.140
MEAN RADIUS	:	.849	.762	.637
MAX RADIUS	:	1.610	1.339	1.111
HORIZONTAL SPREAD	:	2.749	1.662	1.662
VERTICAL SPREAD	:	1.719	1.719	1.295
EXTREME SPREAD	:	2.787	2.133	2.053
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

24 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225256

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.741

VS= 1.923

GS= 2.790

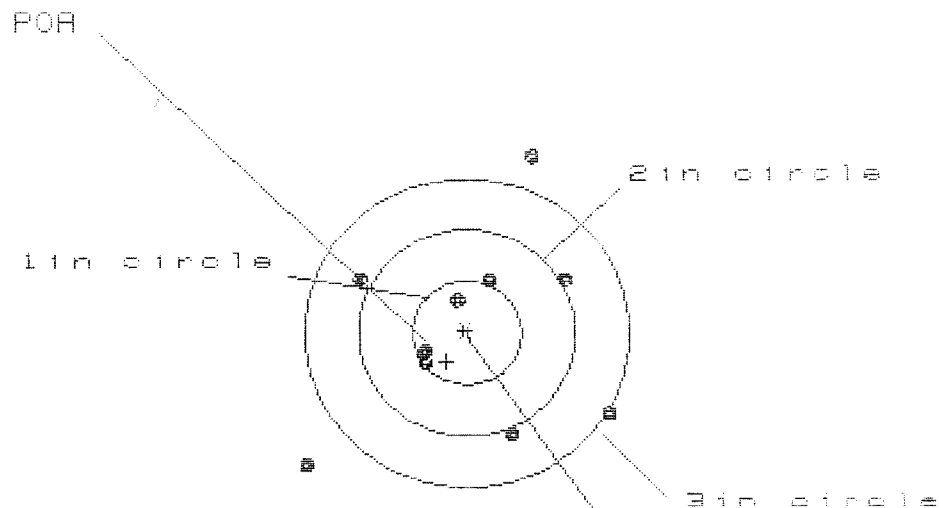
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.250	1.084	.740
MINIMUM X	:	-1.492	-.905	-.770
MAXIMUM Y	:	.983	1.043	1.054
MINIMUM Y	:	-.940	-.880	-.869
CENTROID X	:	.123	.289	.154
CENTROID Y	:	.274	.214	.203
POA TO CENTROID in.	:	.301	.360	.255
MIN RADIUS	:	.213	.166	.183
MEAN RADIUS	:	.840	.730	.684
MAX RADIUS	:	1.588	1.087	1.055
HORIZONTAL SPREAD	:	2.741	1.989	1.510
VERTICAL SPREAD	:	1.923	1.923	1.923
EXTREME SPREAD	:	2.790	1.991	1.925
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

24 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225256

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 4

3in = 8

HS= 2.719

VS= 3.010

GS= 3.622

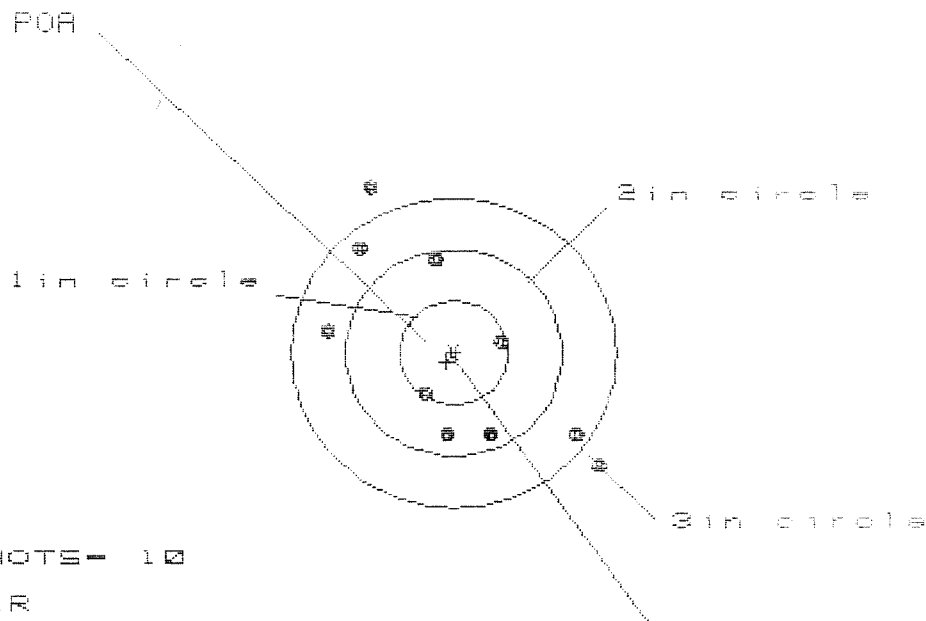
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.266	1.105	1.155
MINIMUM X	:	-1.453	-1.193	-1.143
MAXIMUM Y	:	1.683	1.536	.587
MINIMUM Y	:	-1.327	-1.105	-.913
CENTROID X	:	.189	.350	.301
CENTROID Y	:	.280	.427	.235
FOR TO CENTROID in.	:	.338	.552	.382
MIN RADIUS	:	.321	.312	.411
MEAN RADIUS	:	1.023	.916	.825
MAX RADIUS	:	1.968	1.587	1.376
HORIZONTAL SPREAD	:	2.719	2.298	2.298
VERTICAL SPREAD	:	3.010	2.641	1.500
EXTREME SPREAD	:	3.622	2.656	2.656
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

24 May 1985

FILE:/PATTERNING/CENTERFIRE_PATT/06020258

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.448

VS = 2.657

GS = 3.387

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.311	1.223	1.225
MINIMUM X	:	-1.137	-1.225	-1.072
MAXIMUM Y	:	1.574	1.213	1.099
MINIMUM Y	:	-1.083	-.908	-.740
CENTROID X	:	.067	.155	.002
CENTROID Y	:	.090	-.085	.029
POA TO CENTROID in.	:	.112	.177	.029
MIN RADIUS	:	.450	.418	.399
MEAN RADIUS	:	1.089	.987	.921
MAX RADIUS	:	1.761	1.538	1.430
HORIZONTAL SPREAD	:	2.448	2.448	2.297
VERTICAL SPREAD	:	2.657	2.121	1.839
EXTREME SPREAD	:	3.387	3.034	2.729
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

Remington®

MODEL 700™ M24

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

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

SERIAL NO.
C6225256

ORDER NO.
5716

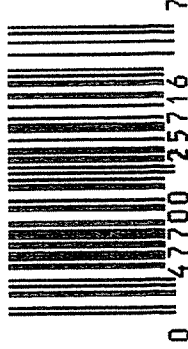
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

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5716 C6225256

UPC



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