

C6225469

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



nagletj	10/21/2003	12:42 PM	CAPS	NUM	INS	SCPL
						

RE00071774

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: **C** 6225469. __0

FILE DATE AND TIME: 11/14/2003 13:10

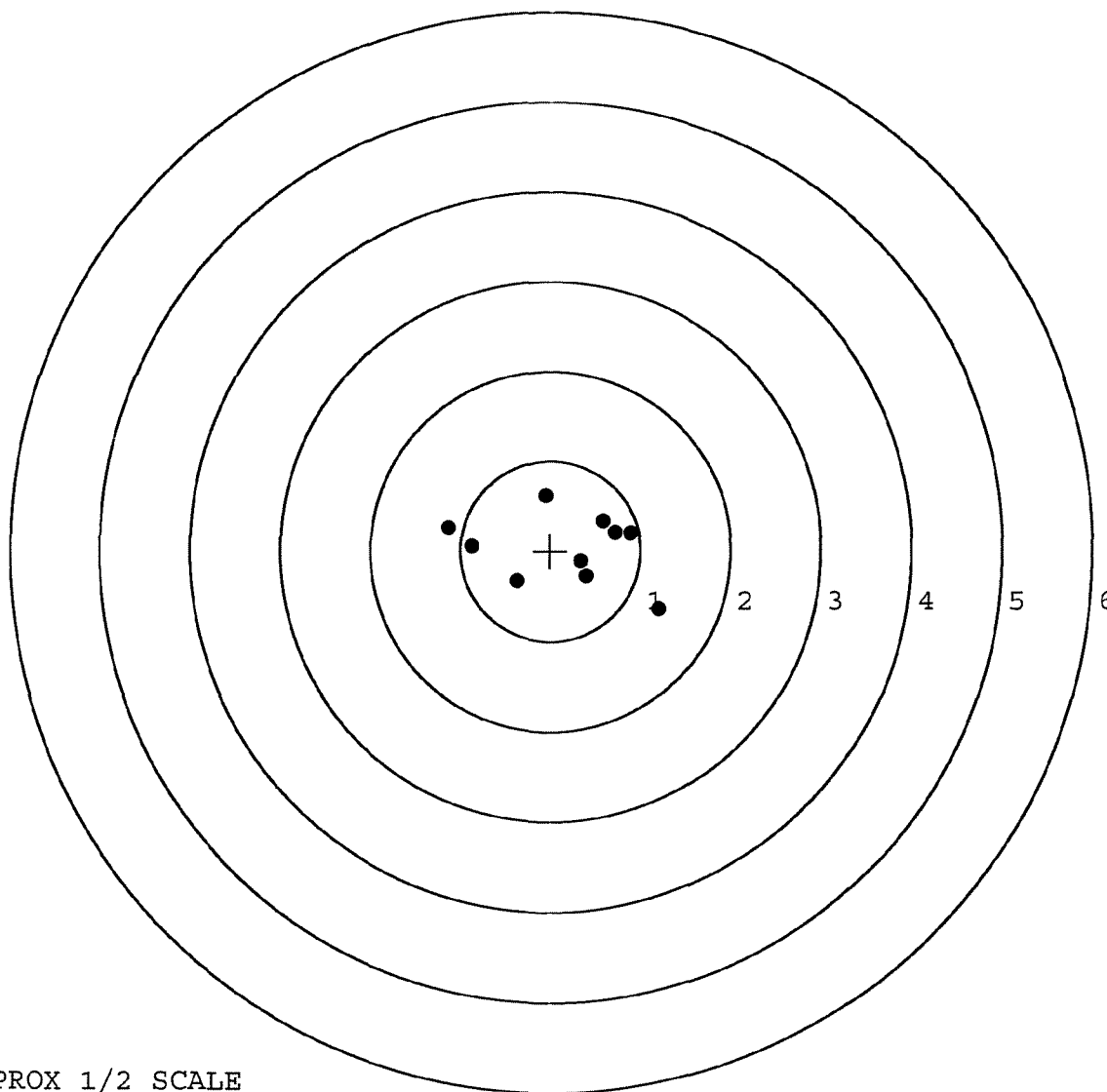
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.000
The Average Y Centroid of the Five Target Set:	0.017
The Average Point of Impact of the Five Target Set:	0.017
The Average Mean Radius of the Five Target Set:	0.592
The Distance from POA to Centroid Target #1:	0.173
The Distance from Centroid Target #2 to Centroid Target #1:	0.275
The Distance from Centroid Target #3 to Centroid Target #1:	0.118
The Distance from Centroid Target #4 to Centroid Target #1:	0.272
The Distance from Centroid Target #5 to Centroid Target #1:	0.216

SERIAL NUMBER: 6225469. 0
 TARGET NUMBER: 1
 FILE DATE: 11/14/2003
 FILE TIME: 13:10

POINT#	X	Y
1:	-0.059	0.607
2:	-1.134	0.253
3:	-0.867	0.050
4:	0.585	0.327
5:	0.714	0.202
6:	0.890	0.197
7:	0.342	-0.114
8:	0.405	-0.281
9:	1.203	-0.653
10:	-0.367	-0.342

X CENTROID: 0.171
 Y CENTROID: 0.025
 POA TO CENTROID: 0.173
 HORZ SPREAD: 2.337
 VERT SPREAD: 1.260
 GROUP SPREAD: 2.506
 MIN RADIUS: 0.220
 MAX RADIUS: 1.325
 MEAN RADIUS: 0.730
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10

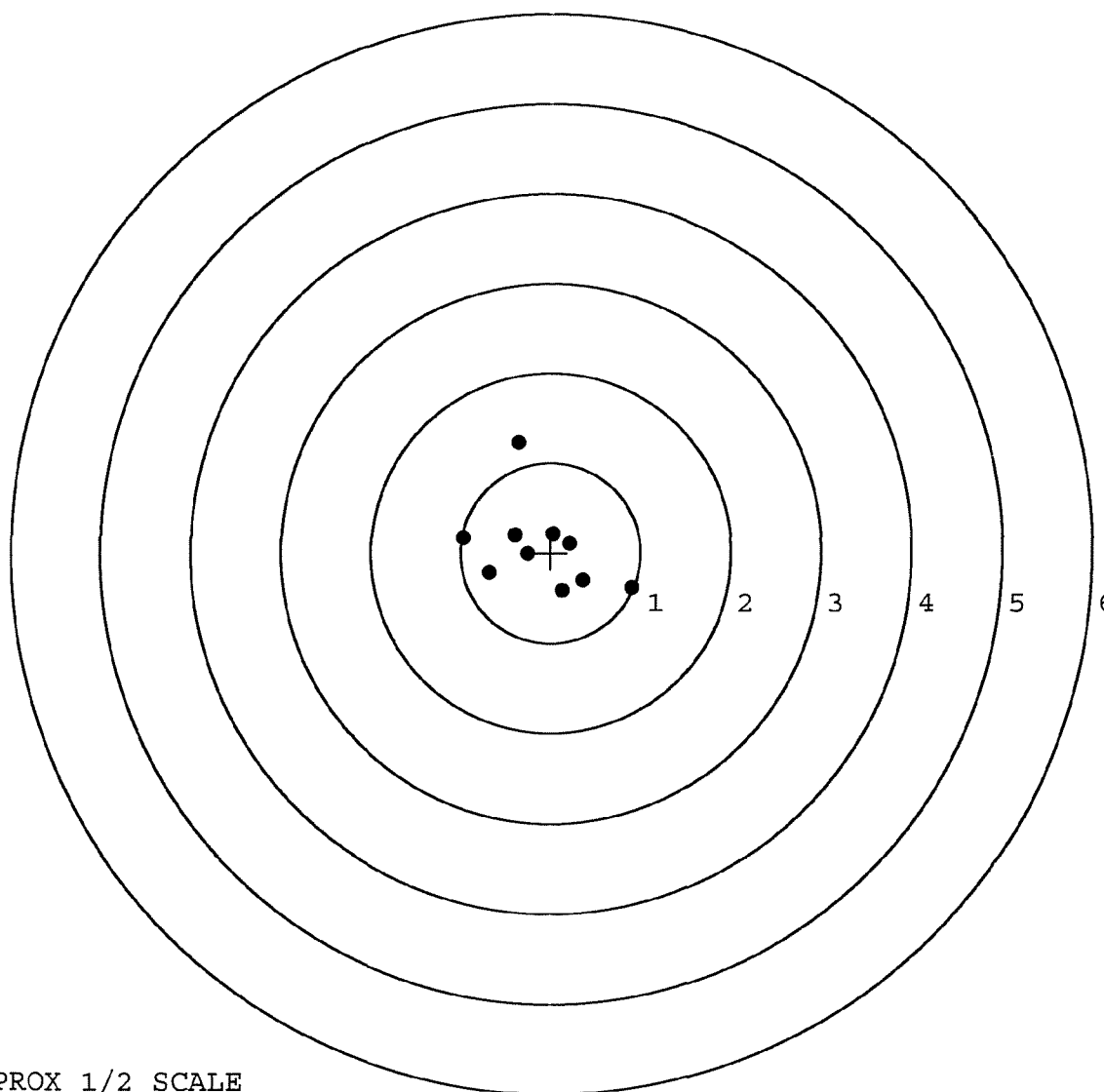


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 6225469. __0
 TARGET NUMBER: 2
 FILE DATE: 11/14/2003
 FILE TIME: 13:10

POINT#	X	Y
1:	-0.364	1.220
2:	-0.968	0.164
3:	-0.681	-0.223
4:	0.904	-0.391
5:	0.133	-0.423
6:	0.363	-0.310
7:	-0.403	0.198
8:	-0.256	-0.015
9:	0.032	0.211
10:	0.214	0.106

X CENTROID: -0.103
 Y CENTROID: 0.054
 POA TO CENTROID: 0.116
 HORZ SPREAD: 1.872
 VERT SPREAD: 1.643
 GROUP SPREAD: 2.050
 MIN RADIUS: 0.168
 MAX RADIUS: 1.195
 MEAN RADIUS: 0.596
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

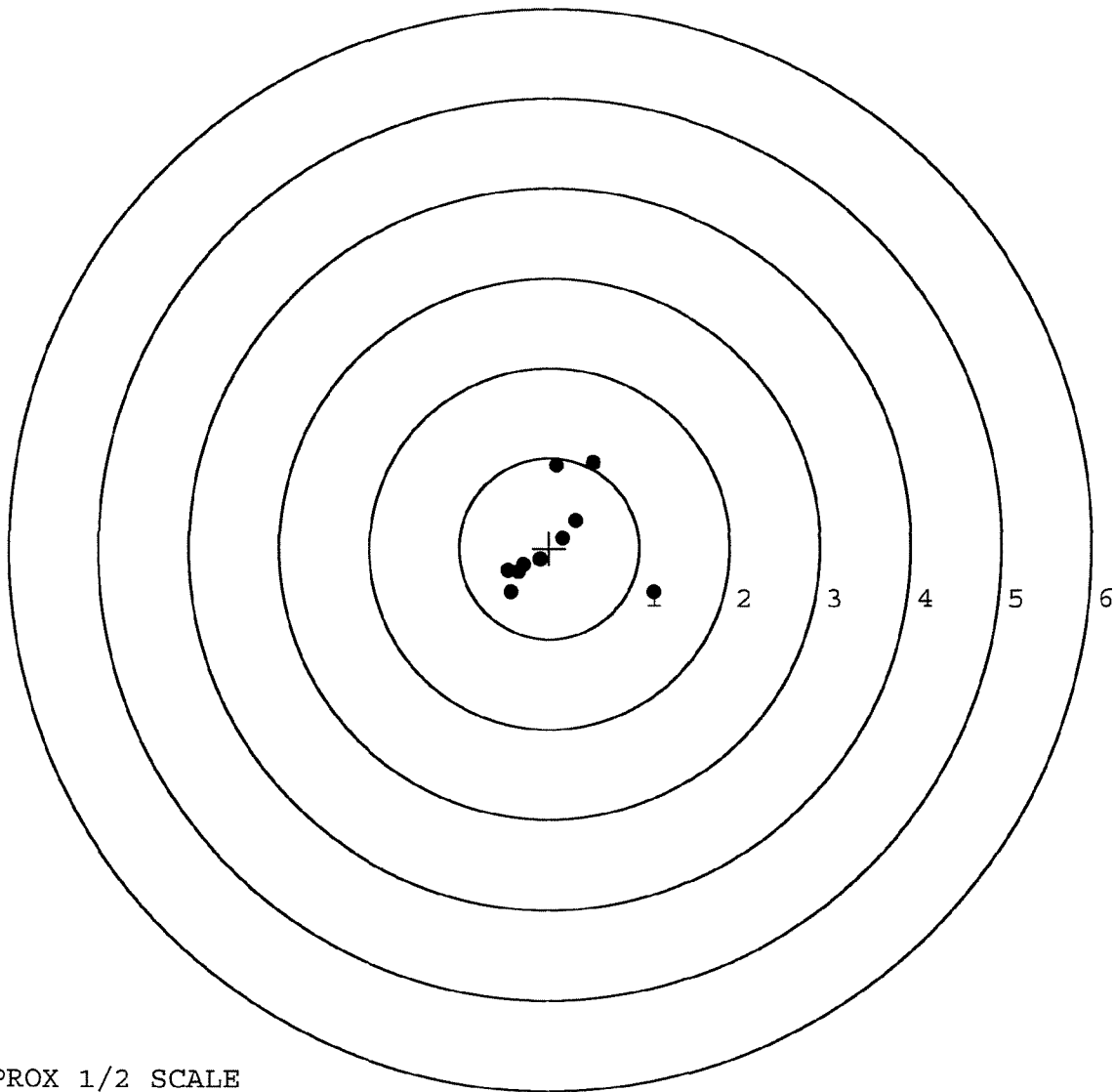


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 6225469. __0
 TARGET NUMBER: 3
 FILE DATE: 11/14/2003
 FILE TIME: 13:10

POINT#	X	Y
1:	0.086	0.915
2:	0.488	0.941
3:	0.287	0.303
4:	0.152	0.113
5:	1.165	-0.487
6:	-0.101	-0.129
7:	-0.290	-0.192
8:	-0.465	-0.250
9:	-0.428	-0.490
10:	-0.341	-0.262

X CENTROID: 0.055
 Y CENTROID: 0.046
 POA TO CENTROID: 0.072
 HORZ SPREAD: 1.630
 VERT SPREAD: 1.431
 GROUP SPREAD: 1.769
 MIN RADIUS: 0.118
 MAX RADIUS: 1.231
 MEAN RADIUS: 0.603
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



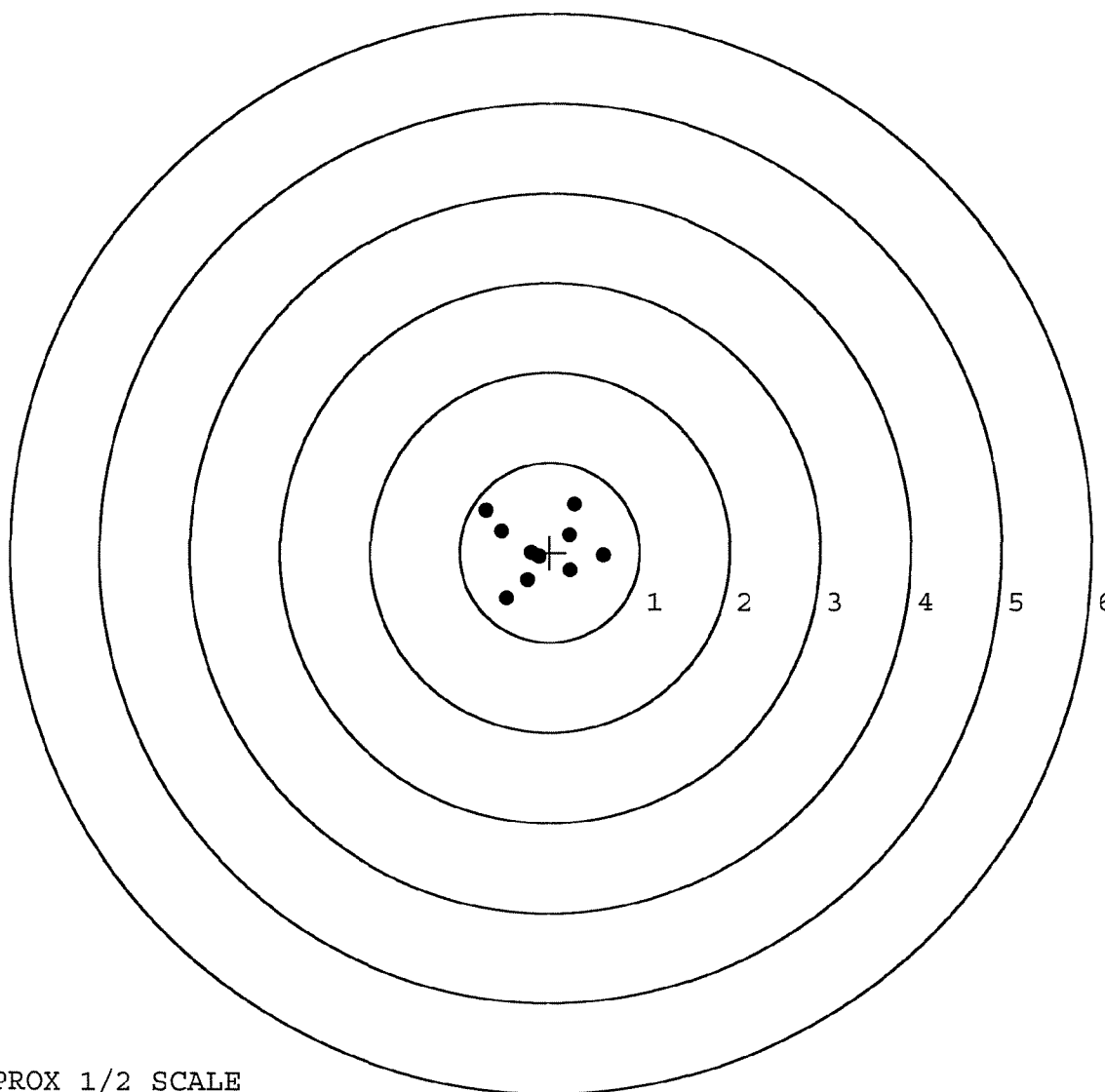
TARGET APPROX 1/2 SCALE

BARBER - M24 0061580

SERIAL NUMBER: 6225469. __0
 TARGET NUMBER: 4
 FILE DATE: 11/14/2003
 FILE TIME: 13:10

POINT#	X	Y
1:	0.267	0.540
2:	0.216	0.199
3:	0.597	-0.034
4:	0.233	-0.200
5:	-0.481	-0.516
6:	-0.249	-0.310
7:	-0.715	0.467
8:	-0.541	0.235
9:	-0.208	-0.002
10:	-0.122	-0.052

X CENTROID: -0.100
 Y CENTROID: 0.033
 POA TO CENTROID: 0.105
 HORZ SPREAD: 1.312
 VERT SPREAD: 1.056
 GROUP SPREAD: 1.404
 MIN RADIUS: 0.087
 MAX RADIUS: 0.753
 MEAN RADIUS: 0.457
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

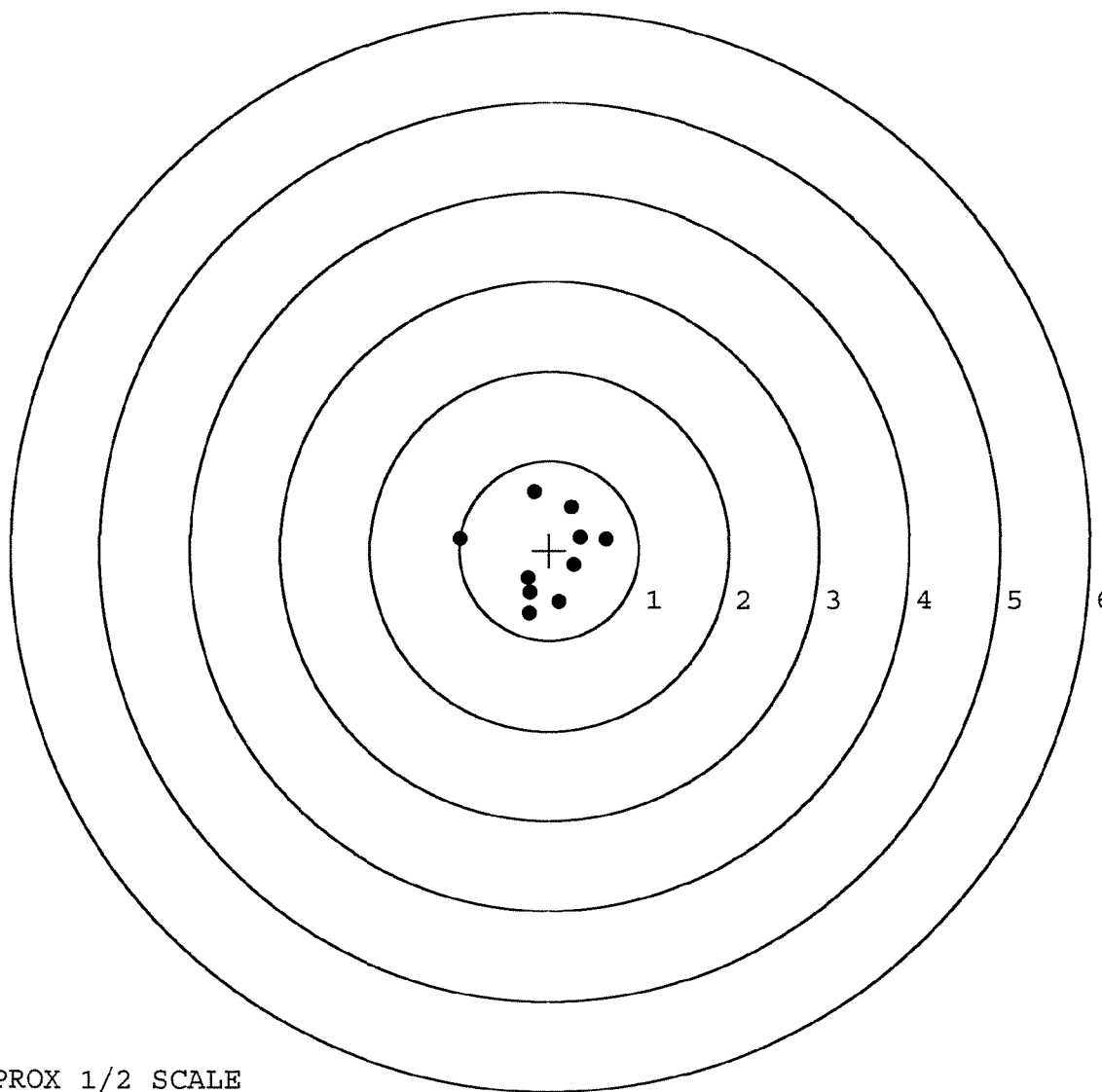


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: 6225469. __0
 TARGET NUMBER: 5
 FILE DATE: 11/14/2003
 FILE TIME: 13:10

POINT#	X	Y
1:	-0.177	0.654
2:	0.242	0.484
3:	0.353	0.141
4:	0.638	0.124
5:	0.277	-0.167
6:	0.110	-0.577
7:	-0.224	-0.704
8:	-0.238	-0.320
9:	-0.992	0.128
10:	-0.217	-0.475

X CENTROID: -0.023
 Y CENTROID: -0.071
 POA TO CENTROID: 0.075
 HORZ SPREAD: 1.630
 VERT SPREAD: 1.358
 GROUP SPREAD: 1.630
 MIN RADIUS: 0.315
 MAX RADIUS: 0.989
 MEAN RADIUS: 0.575
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	71774		
SERIAL NUMBER	C6348966 C6225469		
LOG-IN DATE	10-21-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-28-03	RTL
560 A	RE-BARREL	11-29-03	RTL
B	DRILL AND TAP	11-4-03	TRW
575	ASSEMBLE	11-3-03	RTL
600	PROOF	11-3-03	AC
605	CHECK HEADSPACE	11-3-03	AC
610	DIS-ASSEMBLE GUN	11-3-03	RTL
612	MAGNAFLUX OPERATOR		
615	ROLLMARK CALIBER	11-5-03	AB
618	ROTO-BLAST		
620	APPLY COATINGS	11-8	TR
625 A	FINAL ASSEMBLY	11-12-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-14-03	AC
655	FINAL INSPECT	12-15-03	RTL
660	PACK	12/16/03	RA
		SHIP DATE	
QAR INSPECTION DATE			

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

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

MODEL 700™ M24

SERIAL NO.
C6225469

ORDER NO.
5716

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

Ø1

UPC



5716 C6225469

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL # C6225469

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		4/15/89	JS
617	Drill and Tap Sight Holes	4 14	89	LB
618	Polish Barrel RB	4 14	89	BT
620	Apply Coatings (Barrel Action)		4-20-89	TSF
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/4/89	RW
	C) Inspect Ejector Hole for Chamfer		5/4/89	RW
	D) Oil Firing Pin Ass'y		5/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/9/89	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/9/89	JK
	G) Safety Off Force	3	3	3			5/9/89	JK
	H) Trigger Pull Test & Retainability						5/9/89	WAB
	I) Firing Pin Indent	.0205	.020	.020			5/9/89	JK
	J) Assemble Stock						5/10/89	RW
	K) Assemble Swivel Studs						15 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/10/89	RW
	M) Iron Sight Alignment						5/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/10/89	RW
	O) Attach Scope to Rifle						5/10/89	JK
	P) Detach & Attach Scope 20 Times						5/11/89	JK
640	Gallery Target & Test	64 R	88 L				5-11-89	JK
	A) Time						"	JK
	B) Malfunctions						"	JK
	C) Pierced Primers						"	JK
	D) Optical Clarity of Scope						"	JK
645	Inspect for Live Ammo						5-11-89	JK
655	Final Inspection							
	A) Headspace						15 May 89	JS
	B) Trigger Pull	2.34	2.36	2.52	2.51	2.51	15 May 89	JS
	C) Function						15 May 89	JS
660	Pack						27 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06225469

DATE 3/30/90

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.34	2.45	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.37	2.48	
PULL #3	2.23	2.35	2.50	
PULL #4	2.38	2.35	2.50	
PULL #5	2.42	2.27	2.49	
TOTAL	11.75	11.79	12.43	
AVG.	2.35	2.35	2.48	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.29	3.25	
PULL #2	3.28	3.26	
PULL #3	3.19	3.16	
PULL #4	3.28	3.18	
PULL #5	3.26	3.15	
TOTAL	16.30	16.00	
AVG.	3.26	3.20	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.09		
PULL #2	4.02	4.01		
PULL #3	4.15	4.07		
PULL #4	4.11	4.01		
PULL #5	4.09	4.00		
TOTAL	20.43	20.18		
AVG.	4.08	4.03		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225469
15 May 1989

CENTROIDAL DISTANCES

0 TO	1	.438005
1 TO	2	.784706
1 TO	3	.469777
1 TO	4	.458705
1 TO	5	.0906091

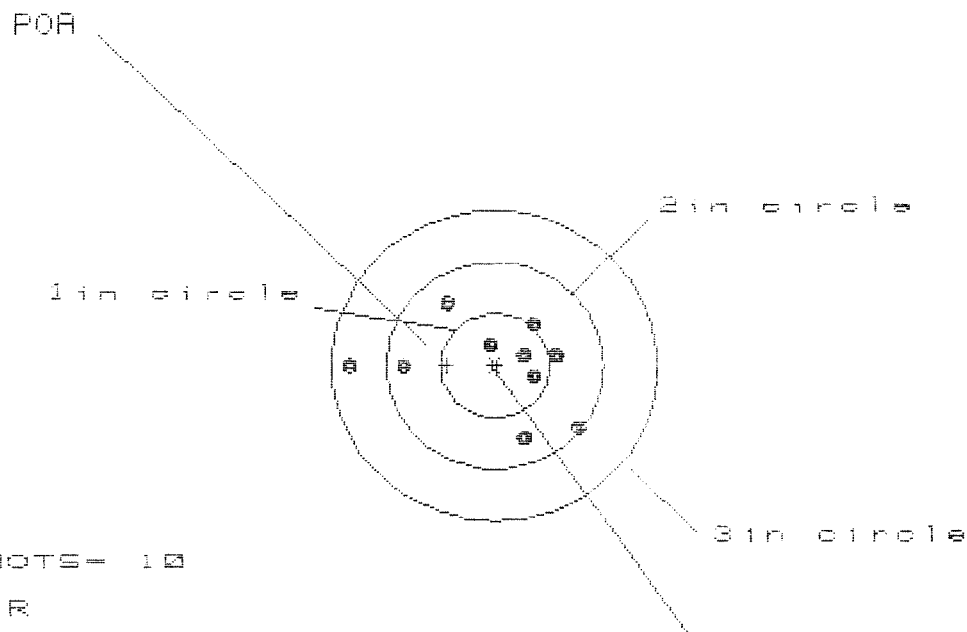
$\frac{+5}{22}$ (----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1858
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2022
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .274602
THE AMR FOR THIS RIFLE IS: .8562

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225468

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 9

3in = 10

HS = 2.055

VS = 1.235

GS = 2.140

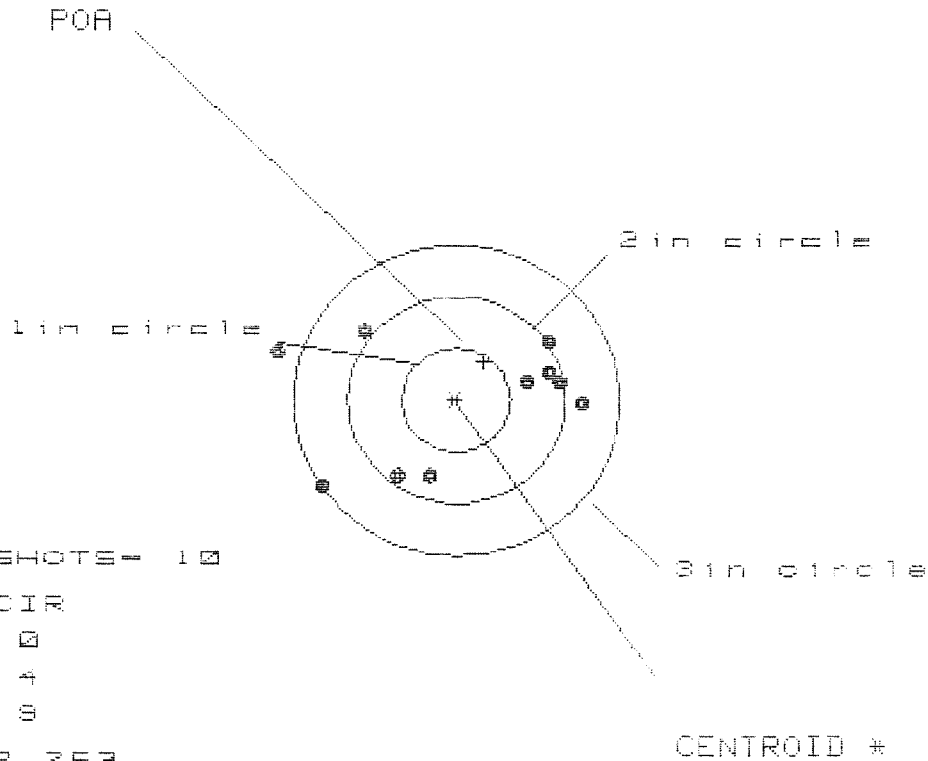
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.746	.600	.528
MINIMUM X	-1.309	-.933	-.858
MAXIMUM Y	.567	.567	.493
MINIMUM Y	-.668	-.668	-.742
CENTROID X	.438	.583	.508
CENTROID Y	-.002	-.002	.072
POA TO CENTROID in.	.438	.583	.513
MIN RADIUS	.247	.159	.189
MEAN RADIUS	.656	.545	.509
MAX RADIUS	1.310	.933	.860
HORIZONTAL SPREAD	2.055	1.533	1.386
VERTICAL SPREAD	1.235	1.235	1.235
EXTREME SPREAD	2.140	1.690	1.419
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225469

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS = 2.763

VS = 1.572

GS = 2.818

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.149	.970	.795
MINIMUM X	:	-1.614	-1.397	-1.225
MAXIMUM Y	:	.705	.763	.662
MINIMUM Y	:	-.867	-.809	-.799
CENTROID X	:	-.254	-.075	.100
CENTROID Y	:	-.372	-.430	-.329
POA TO CENTROID in.	:	.450	.436	.344
MIN RADIUS	:	.653	.498	.299
MEAN RADIUS	:	1.072	.965	.824
MAX RADIUS	:	1.696	1.615	1.392
HORIZONTAL SPREAD	:	2.763	2.367	2.020
VERTICAL SPREAD	:	1.572	1.572	1.461
EXTREME SPREAD	:	2.818	2.510	2.150
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225489

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 1.550

VS= 2.564

GS= 2.769

PATTERN #	:	3
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.748
MINIMUM X	:	-.802
MAXIMUM Y	:	1.087
MINIMUM Y	:	-1.477
CENTROID X	:	.135
CENTROID Y	:	-.361
POA TO CENTROID in.	:	.386
MIN RADIUS	:	.371
MEAN RADIUS	:	.879
MAX RADIUS	:	1.546
HORIZONTAL SPREAD	:	1.550
VERTICAL SPREAD	:	2.564
EXTREME SPREAD	:	2.769
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	7
NUMBER IN THREE INCH CIRCLE	=	9

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225469

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 1.948

VS = 2.501

GS = 2.665

CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.096	1.122	1.018
MINIMUM X	-.852	-.826	-.884
MAXIMUM Y	1.602	1.071	.989
MINIMUM Y	-.899	-.721	-.803
CENTROID X	.155	.129	.233
CENTROID Y	-.363	-.541	-.453
POA TO CENTROID in.	.395	.556	.515
MIN RADIUS	.151	.100	.179
MEAN RADIUS	.900	.783	.757
MAX RADIUS	1.618	1.147	1.101
HORIZONTAL SPREAD	1.948	1.948	1.902
VERTICAL SPREAD	2.501	1.792	1.792
EXTREME SPREAD	2.665	2.138	2.138
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

11 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225469

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 5

2 in = 7

3 in = 9

HS = 1.815

VS = 2.918

GS = 2.989

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.684
MINIMUM X	-1.211
MAXIMUM Y	.950
MINIMUM Y	-1.968
CENTROID X	.455
CENTROID Y	.087
POA TO CENTROID in.	.463
MIN RADIUS	.112
MEAN RADIUS	.774
MAX RADIUS	2.024
HORIZONTAL SPREAD	1.815
VERTICAL SPREAD	2.918
EXTREME SPREAD	2.989
NUMBER IN ONE INCH CIRCLE =	5
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # 06225469
 12 Jun 1989

INTERCHANGEABILITY

CENTROIDAL DISTANCES

0 TO	1	.600407
1 TO	2	.318498
1 TO	3	.200482
1 TO	4	.456685
1 TO	5	.724321

σ_{avg}^2 + σ_{avg}^2 <---- POB

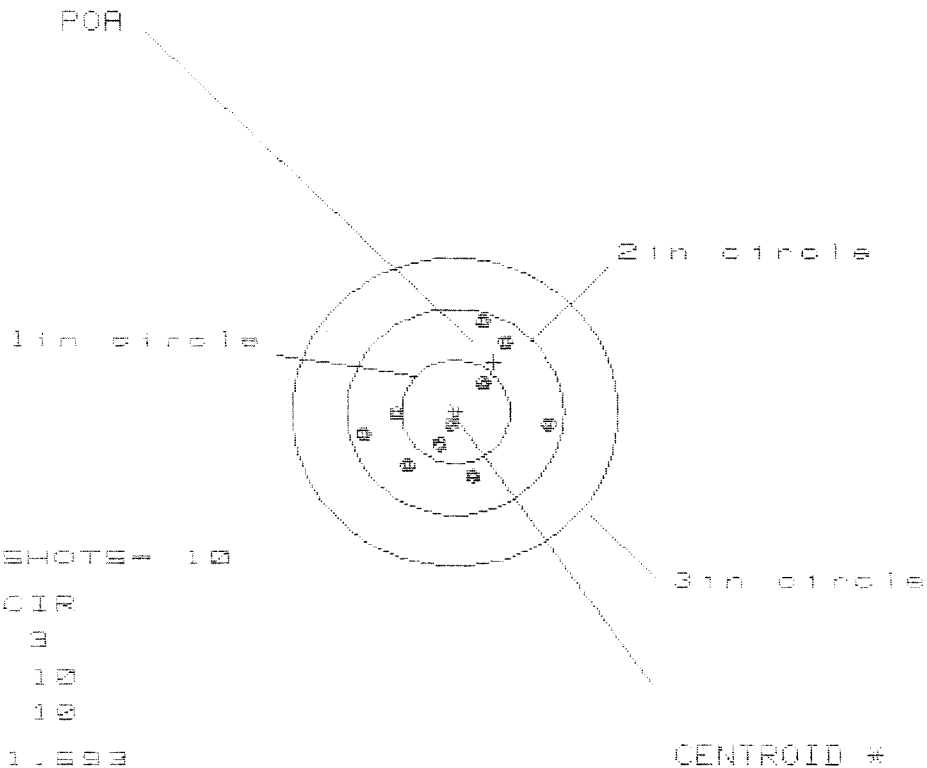
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3906
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1654
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .424176
 THE AMR FOR THIS RIFLE IS: .761

12 JUN 1999

FILE:/PATTERNING/CENTERFIRE_PATT/C8225463.1

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 3

2in = 10

3in = 10

HS= 1.593

VS= 1.556

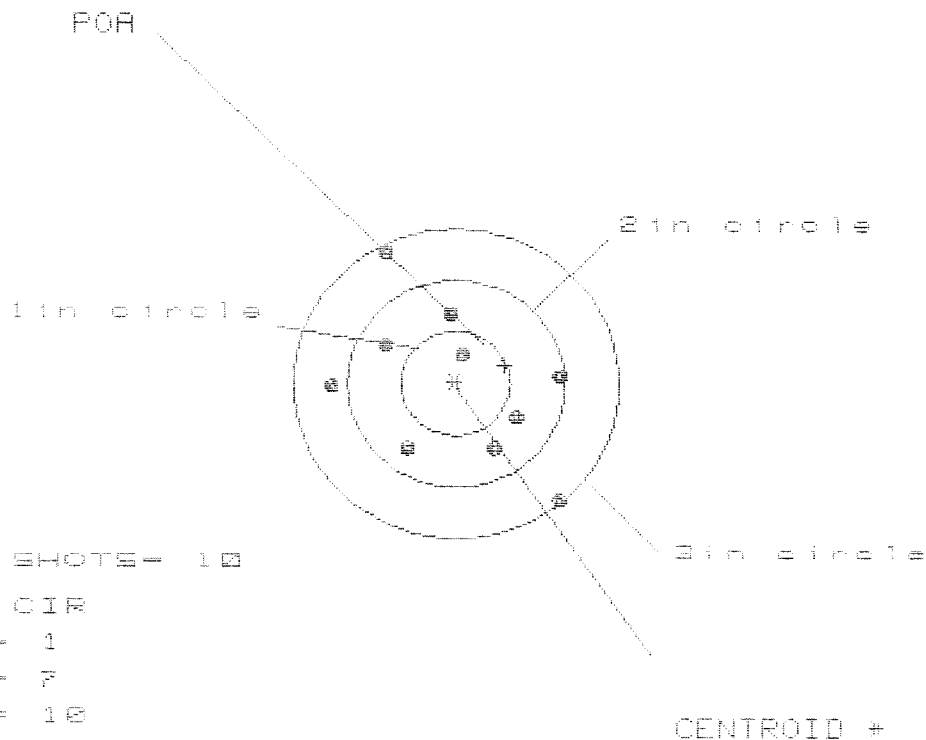
GS= 1.696

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.882	.915	.624
MINIMUM X	-.811	-.778	-.664
MAXIMUM Y	.931	.814	.806
MINIMUM Y	-.625	-.521	-.529
CENTROID X	-.358	-.391	-.505
CENTROID Y	-.482	-.586	-.578
POA TO CENTROID in.	.600	.704	.768
MIN RADIUS	.108	.008	.107
MEAN RADIUS	.637	.573	.525
MAX RADIUS	.979	.960	1.020
HORIZONTAL SPREAD	1.693	1.693	1.298
VERTICAL SPREAD	1.556	1.335	1.335
EXTREME SPREAD	1.696	1.696	1.611
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	10		
NUMBER IN THREE INCH CIRCLE =	10		

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225463.1

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 2.069

VS = 2.405

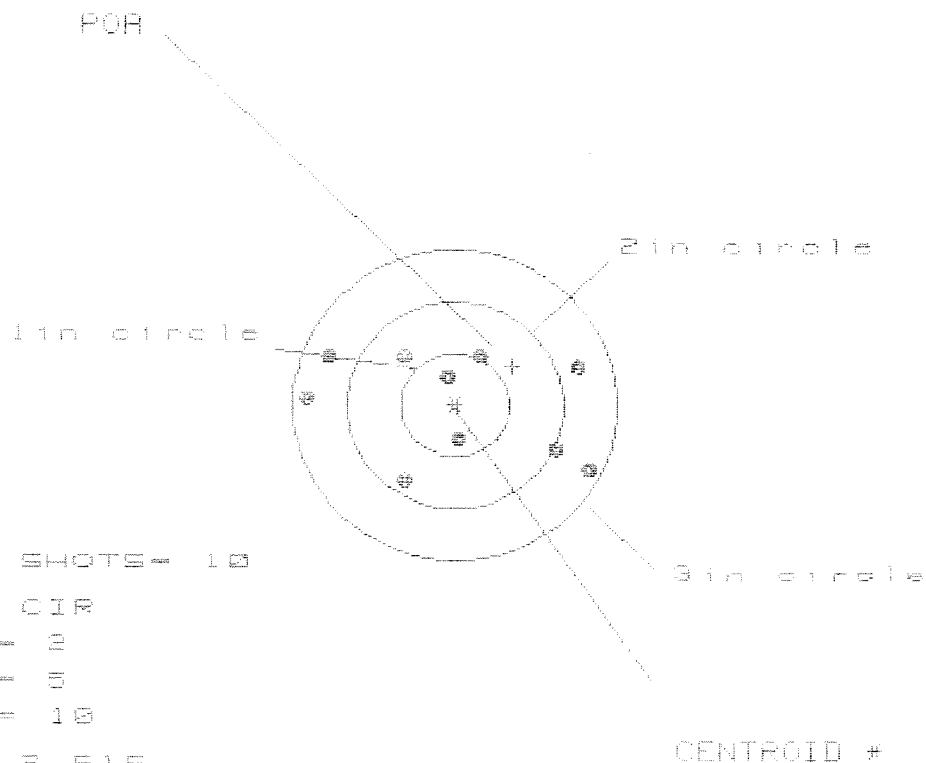
GS = 2.851

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	1.074	1.012
MINIMUM X	:	-1.098	-1.995	-1.057
MAXIMUM Y	:	1.240	1.111	.697
MINIMUM Y	:	-1.165	-.763	-.624
CENTROID X	:	-.453	-.556	-.494
CENTROID Y	:	-.178	-.049	-.188
FOR TO CENTROID in.	:	.487	.559	.529
MIN RADIUS	:	.247	.202	.270
MEAN RADIUS	:	.873	.793	.735
MAX RADIUS	:	1.491	1.217	1.057
HORIZONTAL SPREAD	:	2.069	2.069	2.069
VERTICAL SPREAD	:	2.405	1.874	1.321
EXTREME SPREAD	:	2.851	2.082	2.071
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62254B9.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HSE = 2.616

VSE = 1.273

GSE = 2.695

CENTROID #

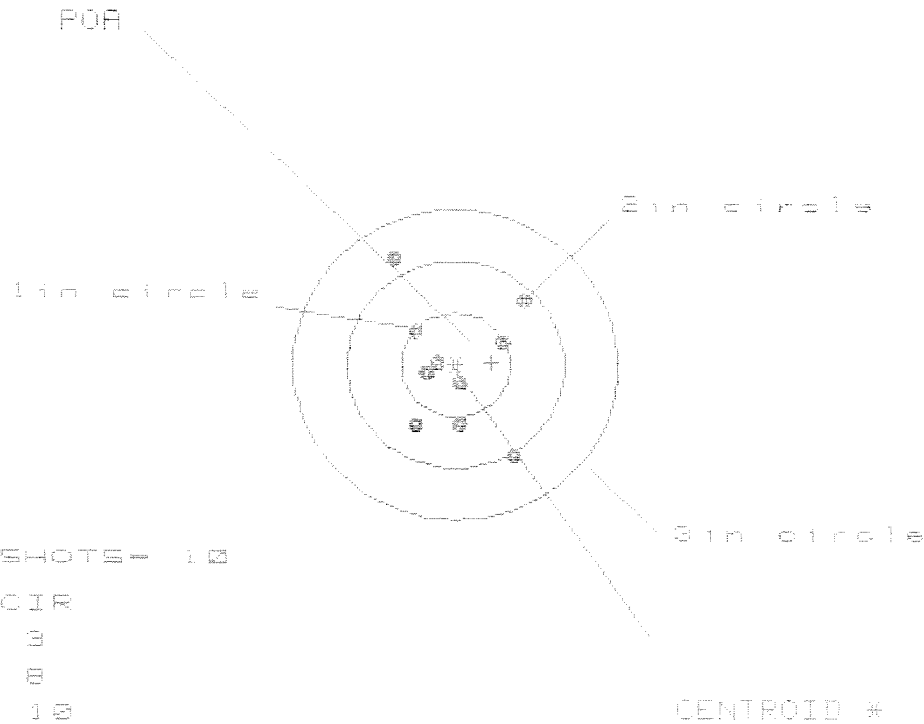
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.242	1.230	1.075
MINIMUM X	-1.373	-1.235	-1.154
MAXIMUM Y	.528	.460	.456
MINIMUM Y	-.745	-.913	-.917
CENTROID X	-.530	-.569	-.514
CENTROID Y	-.379	-.311	-.307
POR TO CENTROID in.	.652	.737	.599
MIN RADIUS	.247	.169	.192
MEAN RADIUS	.879	.807	.740
MAX RADIUS	1.384	1.270	1.220
HORIZONTAL SPREAD	2.616	2.465	2.229
VERTICAL SPREAD	1.273	1.273	1.273
EXTREME SPREAD	2.695	2.489	2.263
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225463.1

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.169

VS= 1.967

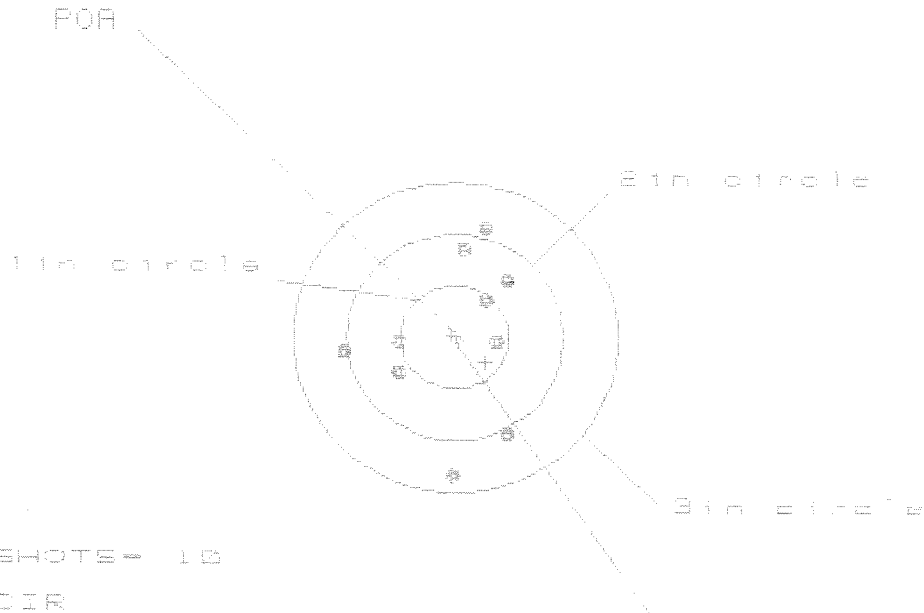
GS= 2.246

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.645	.587	.649
MINIMUM X	-.524	-.455	-.393
MAXIMUM Y	1.055	.765	.665
MINIMUM Y	-.912	-.794	-.594
CENTROID X	-.333	-.275	-.337
CENTROID Y	-.026	-.144	-.044
POA TO CENTROID in.	.334	.310	.340
MIN RADIUS	.149	.054	.132
MEAN RADIUS	.601	.529	.456
MAX RADIUS	1.178	.964	.930
HORIZONTAL SPREAD	1.169	1.042	1.042
VERTICAL SPREAD	1.967	1.559	1.259
EXTREME SPREAD	2.246	1.585	1.585
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

12 Jun 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225459.1

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 1.508

VS = 2.417

CS = 2.438

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.498	.581	.536
MINIMUM X	-1.011	-1.008	-1.073
MAXIMUM Y	1.060	.989	.907
MINIMUM Y	-1.357	-1.092	-1.979
CENTROID X	-.279	-.282	-.317
CENTROID Y	.238	.389	.276
POA TO CENTROID in.	.367	.481	.426
MIN RADIUS	.398	.375	.449
MEAN RADIUS	.615	.735	.710
MAX RADIUS	1.358	1.262	1.116
HORIZONTAL SPREAD	1.509	1.509	1.506
VERTICAL SPREAD	2.417	2.061	1.786
EXTREME SPREAD	2.438	2.013	1.838
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225469

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/15/96	RW
600	Proof		4/15/96	RW
607	Check Headspace		4/15/96	RW
610	Dis-assemble Gun		4/15/96	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/22/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/22/96	RW
	C) Inspect Ejector Hole for Chamfer		4/22/96	RW
	D) Oil Firing Pin Ass'y		4/22/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

Final Inspection

Sn: C6225469

DATE REC'D: 4/8/96

DATE RET'D:

AUDITOR: RW

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:

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225469
22 Feb 1988

CENTROIDAL DISTANCES

0 TO	1	.673714
1 TO	2	.377927
1 TO	3	.289389
1 TO	4	.150003
1 TO	5	.423405

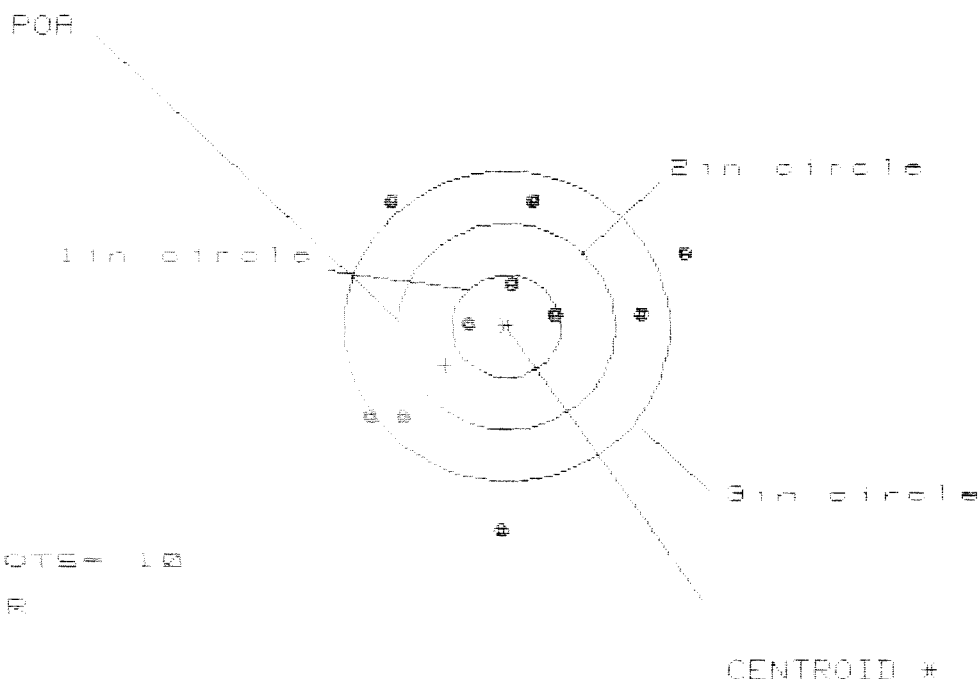
+ $\frac{1}{5}$ ---- POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4756
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2864
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .555176
THE AMR FOR THIS RIFLE IS: 23

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225463

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 3

3 in = 8

HS = 2.915

VS = 3.138

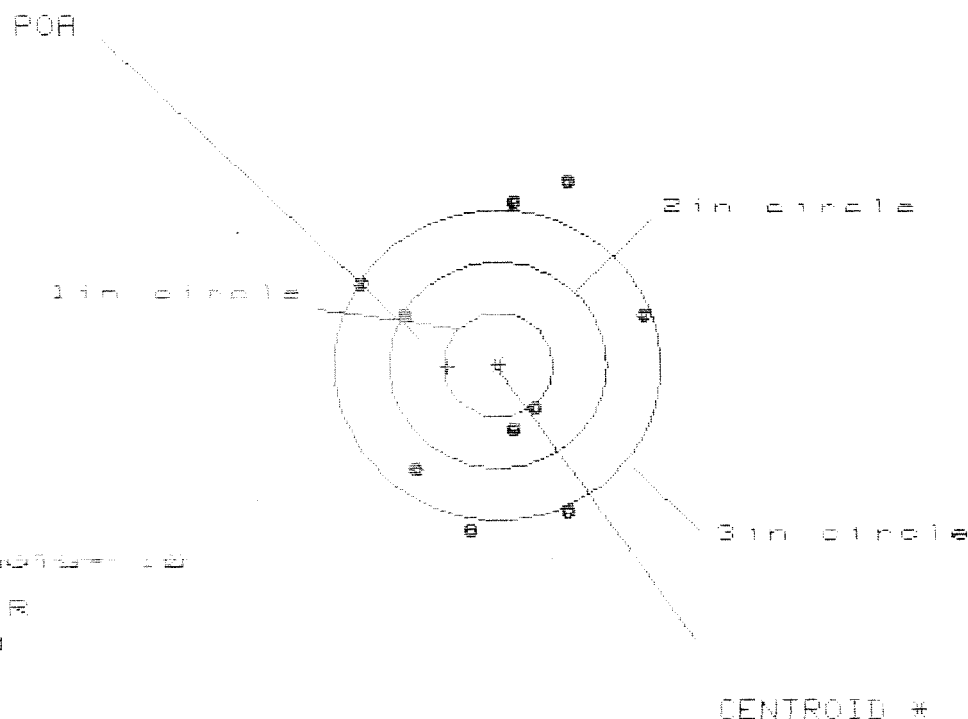
GS = 3.315

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.648	1.647	1.448
MINIMUM X	-1.267	-1.268	-1.062
MAXIMUM Y	1.173	.955	1.014
MINIMUM Y	-.965	-1.103	-1.044
CENTROID X	.558	.558	.352
CENTROID Y	.597	.597	.538
POA TO CENTROID IN.	.817	.643	.643
MIN RADIUS	.193	.174	.174
MEAN RADIUS	1.054	1.054	.975
MAX RADIUS	1.713	1.713	1.489
HORIZONTAL SPREAD	2.915	2.915	2.510
VERTICAL SPREAD	3.138	2.058	2.058
EXTREME SPREAD	3.315	3.312	2.687
NUMBER IN ONE INCH CIRCLE =	3	3	3
NUMBER IN TWO INCH CIRCLE =	3	3	3
NUMBER IN THREE INCH CIRCLE =	8	8	8

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225489

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 2

3 in = 8

HS = 2.568

VS = 3.446

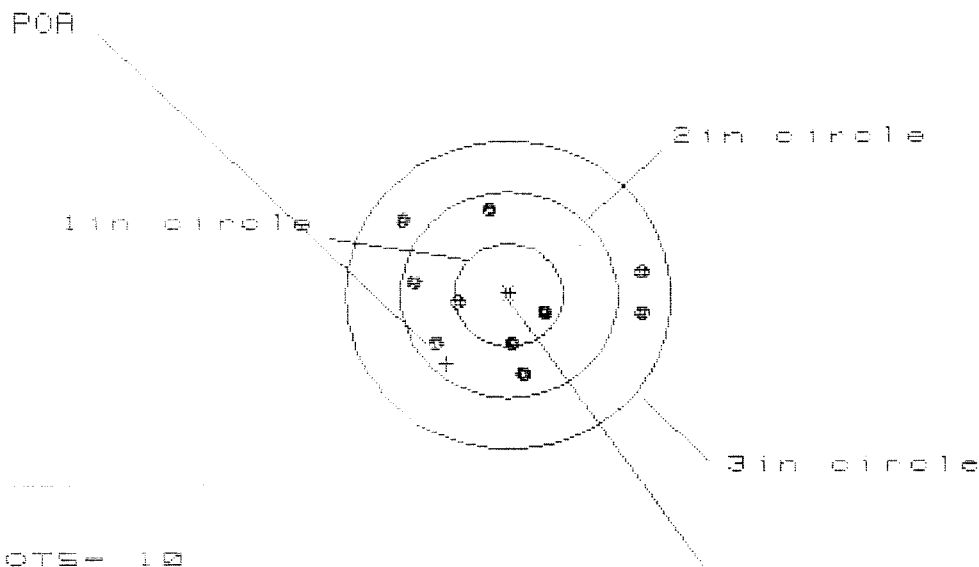
GS = 3.557

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.316	1.382	1.354
MINIMUM X	-1.253	-1.187	-1.215
MAXIMUM Y	1.821	1.778	1.681
MINIMUM Y	-1.625	-1.423	-1.423
CENTROID X	0.457	0.393	0.421
CENTROID Y	0.436	-0.188	-0.011
POA TO CENTROID in.	0.436	0.421	0.421
MIN RADIUS	0.431	0.431	0.579
MEAN RADIUS	1.205	1.205	1.188
MAX RADIUS	1.793	1.793	1.613
HORIZONTAL SPREAD	2.569	2.569	2.569
VERTICAL SPREAD	3.201	3.201	3.024
EXTREME SPREAD	3.557	3.233	3.057
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	2	2	2
NUMBER IN THREE INCH CIRCLE =	6	6	6

22 Feb 1968

FILE://PATTERNING/CENTERFIRE_PATT/06225489

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.207

VS= 1.576

GS= 2.379

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.269	1.374	.660
MINIMUM X	-.938	-.797	-.625
MAXIMUM Y	.836	.867	.844
MINIMUM Y	-.740	-.709	-.732
CENTROID X	.572	.431	.259
CENTROID Y	.668	.637	.660
POA TO CENTROID in.	.879	.769	.709
MIN RADIUS	.352	.352	.199
MEAN RADIUS	.759	.759	.658
MAX RADIUS	1.387	1.387	.986
HORIZONTAL SPREAD	2.171	2.171	1.285
VERTICAL SPREAD	1.576	1.576	1.576
EXTREME SPREAD	2.379	2.379	1.851
NUMBER IN ONE INCH CIRCLE	3	3	
NUMBER IN TWO INCH CIRCLE	7	7	
NUMBER IN THREE INCH CIRCLE	10	10	

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225468

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

LB = 2.878

VB = 2.858

GB = 2.868

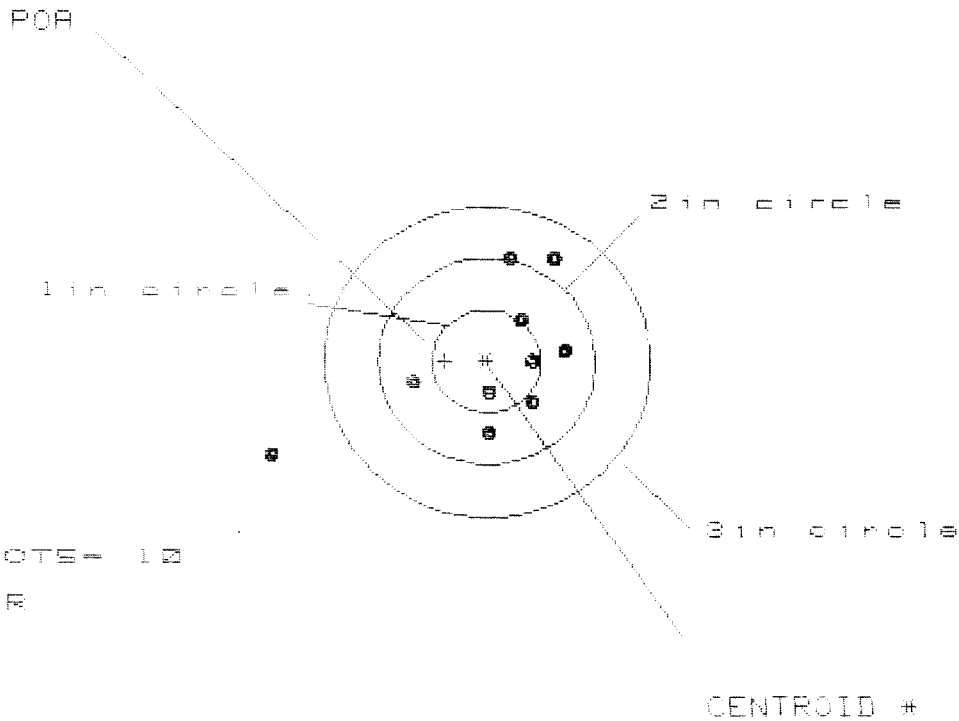
CENTROID *

PATTERN #	1	4	9	8
SHOTS (BEST OF)	10			
MAXIMUM X	.856	.688	.664	
MINIMUM X	-1.514	-.389	-.413	
MAXIMUM Y	1.453	1.397	1.238	
MINIMUM Y	-1.357	-1.453	-1.279	
CENTROID X		.575	.599	
CENTROID Y		.434	.268	
POA TO CENTROID in		.721	.653	
MIN RADIUS		.124	.089	
MEAN RADIUS		.859	.778	
MAX RADIUS		1.454	1.298	
HORIZONTAL SPREAD		1.877	1.877	
VERTICAL SPREAD		2.858	2.589	
EXTREME SPREAD		2.868	2.547	
NUMBER IN ONE INCH CIRCLE =		2		
NUMBER IN TWO INCH CIRCLE =		5		
NUMBER IN THREE INCH CIRCLE =		9		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225463

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 2.641

VS= 1.915

GS= 3.155

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.701	.486	.530
MINIMUM X	-1.940	-.914	-.870
MAXIMUM Y	1.053	.957	.986
MINIMUM Y	-.862	-.834	-.714
CENTROID X	.383	.598	.554
CENTROID Y	-.007	.089	-.031
POR TO CENTROID in.		.605	.555
MIN RADIUS	.333	.216	.262
MEAN RADIUS	.832	.637	.582
MAX RADIUS	2.129	.820	.986
HORIZONTAL SPREAD	2.641	.400	1.400
VERTICAL SPREAD	1.915	.791	1.700
EXTREME SPREAD	3.155	.973	1.707
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00008816

Serial: C6225469 Model 700 Center Fire
M/24 SNIPER 7.62 NATO WOG 1 OF 2

Repairman:

Status:

Closed 5/2/00 9:42:56 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: U.S.ARMY / STEVE HOWE

U.S.ARMY / STEVE HOWE

Address 1: B CO. 3RD BN 1ST SP.FORCES GROUP

B CO. 3RD BN 1ST SP.FORCES GROUP

Address 2: BLDG. 9177

PO Box:

BLDG. 9177

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	2
A010	Hard Case(WOG)	1
A017	Scope Base	1
A026	Scope	1

Repair Search

Refresh

Close

naglej

5/2/00

11:54 AM

CAPS

NUM

INS

SCRL



11:54 AM

Scope # 89-0018

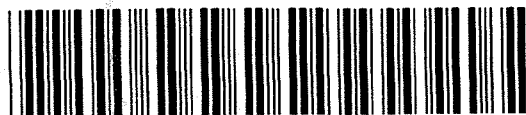
Scope Sent Back
to Leupold for
Service

BBL - 96003

Serial Number:

C6225469

Model: 700



RE00008816

LEUPOLD & STEVENS, INC.

MAILING: PO BOX 688
BEAVERTON OR 97075-0688
(503) 646-9171

SHIPPING: 14400 NW GREENBRIER PARKWAY
BEAVERTON OR 97006-5934
FAX (503) 526-1455

TELEX 15-1227

MAIL REMITTANCE IN U.S.
FUNDS TO:

LEUPOLD & STEVENS, INC.
PO BOX 4985
BEAVERTON OR 97076-4985 USA

B
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T
O
REMINGTON ARMS CO., INC.
Attn: THOMAS J. NAGLE
14 HOEFLER AVE.
ILION NY 13357

S
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P
T
O
REMINGTON ARMS CO., INC.
Attn: THOMAS J. NAGLE
14 HOEFLER AVE.
ILION NY 13357

Invoice No. 0207192	Date 05/18/00	Type of Service CHARGEABLE	Via UPS 3DAY
1 ea ULTRA M3A-10X S/N# 890018			Charge
Complaints/Requests SERVICE INSPECTION POINT OF IMPACT			\$25.00
Service Activity: COMPLETE INTERNAL INSPECTION REFILLED/WATER TESTED ALIGNED FOCUS ADJ SCREW MECHANICAL INSPECTION VISUAL INSPECTION 100% CLEANED OPTICS			
SHIPPING & HANDLING			\$5.00
			AMOUNT DUE
			\$30.00

For Customer Use Only:

Charge/Debit Card Payment: ☐ Visa ☐ Master Card Card # _____

Expiration Date: _____ Signature: _____

VALUE FOR CUSTOMS PURPOSES ONLY \$ _____ THESE COMMODITIES ARE EXITING THE U.S.A. UNDER GENERAL LICENSE _____
"THESE COMMODITIES LICENSED BY THE UNITED STATES FOR ULTIMATE DESTINATION USA DIVERSION CONTRARY TO
UNITED STATES LAW PROHIBITED."

EXPORTER/MANUFACTURER: LEUPOLD & STEVENS INC.
PLACE: BEAVERTON, OREGON USA

ECCN: 0A987

SIGNATURE: _____
NAME: _____ EXPORT/INVOICING SPECIALIST

I.D. 93-0372974

LEUPOLD & STEVENS, INC.

SHIPPING: 14400 NW GREENBRIER PARKWAY
BEAVERTON OR 97006-5934
03) 526-1455 TELEX 15-1227

MAIL REMITTANCE IN U.S.
FUNDS TO:

LEUPOLD & STEVENS, INC.
PO BOX 4985
BEAVERTON OR 97076-4985 USA

S REMINGTON ARMS CO., INC.
H Attn:THOMAS J. NAGLE
I 14 HOEFLER AVE.
P ILION NY 13357

For Customer Use Only:		
Charge/Debit Card Payment:	☐ Visa	☐ Master Card
	Card #	
Expiration Date:		Signature:

VALUE FOR CUSTOMS PURPOSES ONLY \$ _____ THESE COMMODITIES ARE EXITING THE U.S.A. UNDER GENERAL LICENSE _____

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EXPORTER/MANUFACTURER: LEUPOLD & STEVENS INC.
PLACE: BEAVERTON, OREGON USA

SIGNATURE: _____

NAME: _____

ECCN: 0A987

I.D. 93-0372974

BARBER - M24 **M2400061649**

BARBER - M24 0061611

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225469
22 Aug 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.27
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.22
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .348282

THE AMR FOR THIS RIFLE IS: 1.213

CENTROIDAL DISTANCES

0 TO	1	.490897
1 TO	2	.331421
1 TO	3	.622547
1 TO	4	.444065
1 TO	5	.819749

5 + <----POA
3 4
2
1

BARBER - M24 0061612

REMINGTON CENTERFIRE ACCURACY TEST

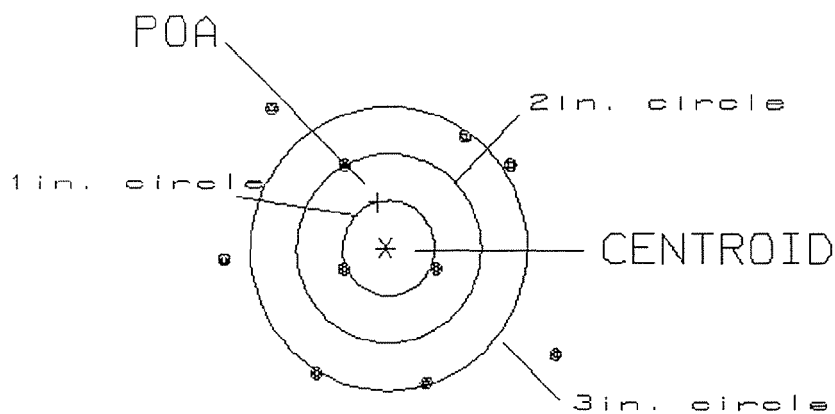
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .491
MIN RADIUS : .489
MEAN RADIUS : 1.401
MAX RADIUS : 2.153
CENTROID X : .082
CENTROID Y : -.484

22 Aug 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225469.1

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 3.63

1

VS= 2.98

3

GS= 4.08

5

BARBER - M24 0061613

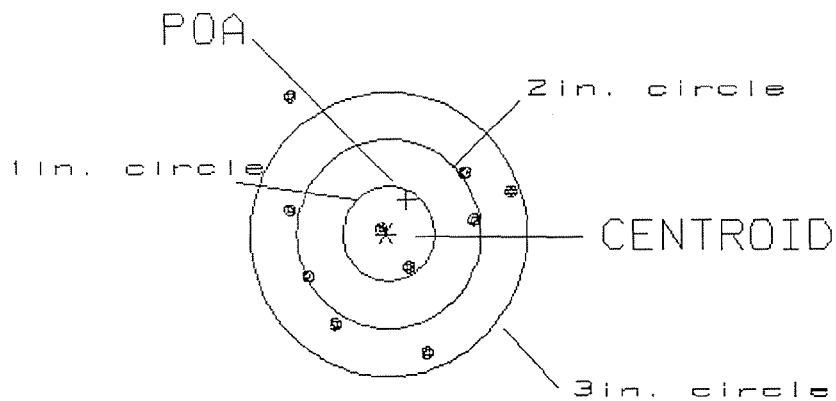
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
POA TO CENTROID: .417
MIN RADIUS : .102
MEAN RADIUS : 1.019
MAX RADIUS : 1.791
CENTROID X : -.222
CENTROID Y : -.352

22 Aug 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225469.1

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.39

2

VS= 2.74

4

GS= 3.10

9

BARBER - M24 0061614

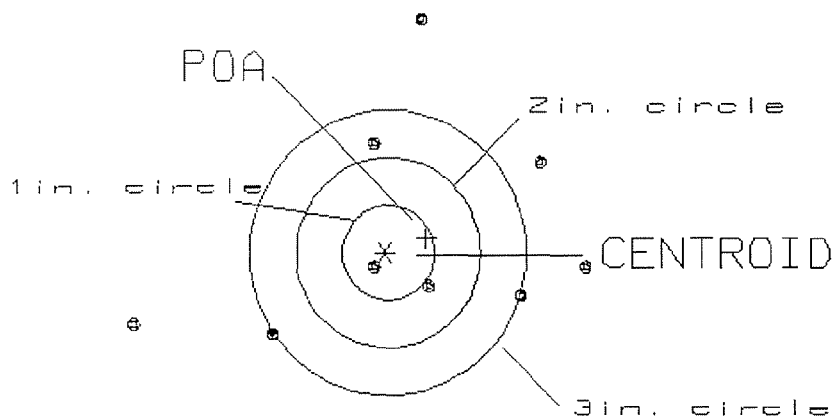
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 0302
POA TO CENTROID: .469
MIN RADIUS : .187
MEAN RADIUS : 1.672
MAX RADIUS : 2.890
CENTROID X : -.444
CENTROID Y : -.151

22 Aug 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225469.1

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 4.99

1

VS= 4.37

2

GS= 5.02

5

BARBER - M24 0061615

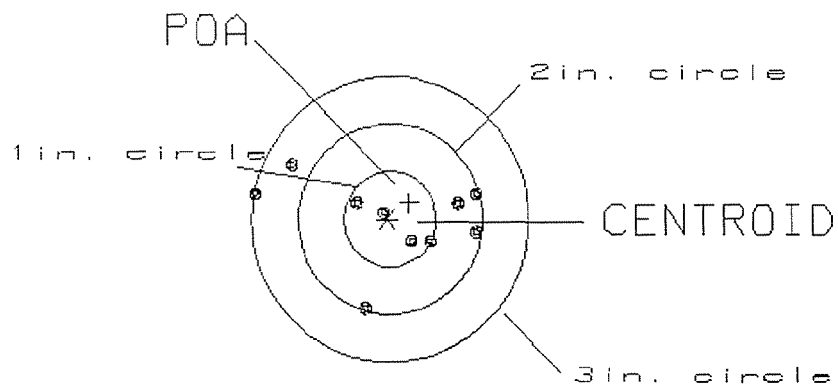
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 4
POA TO CENTROID: .288
MIN RADIUS : .119
MEAN RADIUS : .767
MAX RADIUS : 1.531
CENTROID X : -.233
CENTROID Y : -.171

22 Aug 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225469.1

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.46

4

VS= 1.56

6

GS= 2.50

9

BARBER - M24 0061616

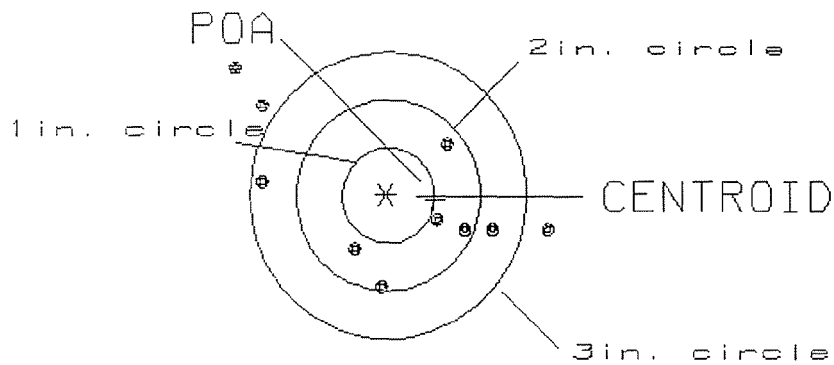
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5
POA TO CENTROID: .537
MIN RADIUS : .639
MEAN RADIUS : 1.207
MAX RADIUS : 2.126
CENTROID X : -.533
CENTROID Y : .058

22 Aug 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225469.1

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 3.39

0

VS= 2.27

5

GS= 3.77

7

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

[illegible]

Final Inspection

S.N: C6225469

DATE REC'D: 4-26-00

DATE RET'D:

Auditor: RW

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: