

06348952

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

RECEIVING BARBER M24 0042488

COMMENTS

ORDER

R 94-18088

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

Scope s/n 90 0593

DATE RECEIVED 06/09/94 DATE OPENED 06/09/94 DATE CODE

SERIAL NUMBER C6348952

NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL

36201-5025

CUST NO: 098397 CJO.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel
Stock
Trigger Assy
Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0042488

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6348952DATE 4/17/96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.67	2.81		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.72	2.73	2.95		
PULL #3	2.78	2.80	2.82		
PULL #4	2.60	2.83	2.93		
PULL #5	2.53	2.83	2.87		
TOTAL	1317	1386	1438		
AVG.	2.63	2.77	2.87		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.06		
PULL #2	3.21	3.00		
PULL #3	3.05	3.17		
PULL #4	3.16	3.00		
PULL #5	3.13	3.12		
TOTAL	1563	1535		
AVG.	3.12	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.13		4.08
PULL #2	4.14	4.19		4.02
PULL #3	4.23	4.32		4.12
PULL #4	4.12	4.36		4.13
PULL #5	4.31	4.23		4.05
TOTAL	2104	2123		2040
AVG.	4.20	4.24		4.08

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348952
22 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	.823527
1 TO	2	.467061
1 TO	3	.353952
1 TO	4	.586822
1 TO	5	.270601

4⁵₂ (----FOR

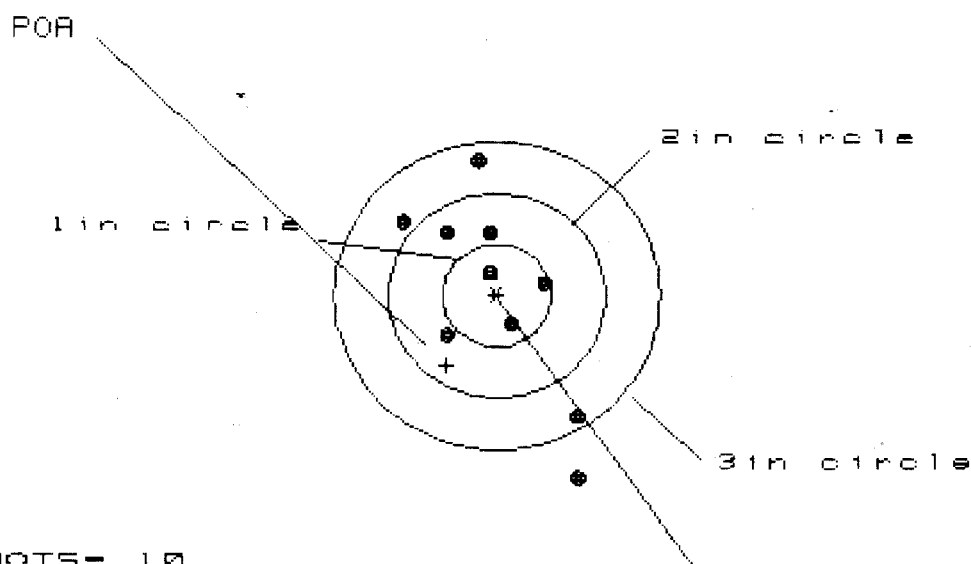
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3262
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .519407

THE AMR FOR THIS RIFLE IS: .8988

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6348952

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 3

2 in - 6

3 in - 9

HS - 1.616

VS - 3.056

GS - 3.188

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.773	.853	.655
MINIMUM X	-.843	-.763	-.657
MAXIMUM Y	1.284	1.087	.910
MINIMUM Y	-1.772	-1.414	-.731
CENTROID X	.466	.386	.280
CENTROID Y	.679	.876	1.053
POA TO CENTROID in.	.824	.958	1.090
MIN RADIUS	.183	.046	.245
MEAN RADIUS	.872	.717	.595
MAX RADIUS	1.912	1.652	.910
HORIZONTAL SPREAD	1.616	1.616	1.312
VERTICAL SPREAD	3.056	2.501	1.641
EXTREME SPREAD	3.188	2.680	1.665
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 9		

BARBER - M24 0042453

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.218

VS = 1.921

GS = 2.259

PATTERN #

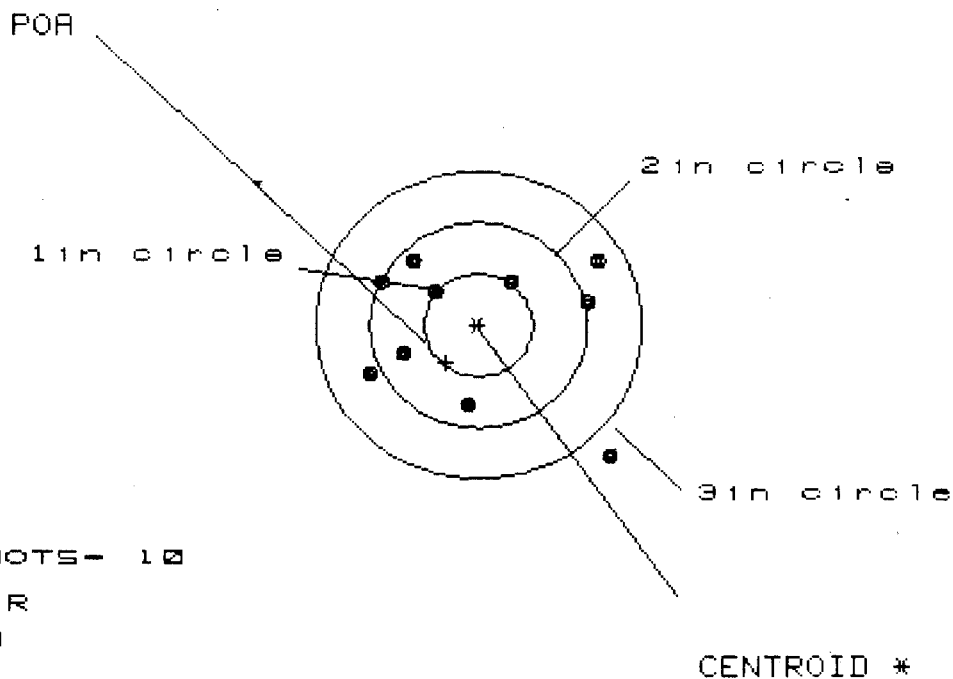
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.888	.740	.807
MINIMUM X	-1.330	-.604	-.537
MAXIMUM Y	1.075	1.097	1.221
MINIMUM Y	-.846	-.824	-.700
CENTROID X	.541	.689	.622
CENTROID Y	.218	.196	.072
POA TO CENTROID in.	.583	.716	.626
MIN RADIUS	.271	.378	.374
MEAN RADIUS	.805	.741	.668
MAX RADIUS	1.345	1.178	1.273
HORIZONTAL SPREAD	2.218	1.344	1.344
VERTICAL SPREAD	1.921	1.921	1.921
EXTREME SPREAD	2.259	1.942	1.942
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

22 Feb 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348952

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.228

VS= 1.868

GS= 2.717

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.219	1.249	1.287
MINIMUM X	:	-1.009	-1.274	-1.718
MAXIMUM Y	:	.646	.510	.570
MINIMUM Y	:	-1.222	-1.866	-1.806
CENTROID X	:	.297	.162	.006
CENTROID Y	:	.368	.504	.445
POA TO CENTROID in.	:	.473	.529	.445
MIN RADIUS	:	.510	.319	.279
MEAN RADIUS	:	.958	.835	.744
MAX RADIUS	:	1.726	1.337	1.292
HORIZONTAL SPREAD	:	2.228	2.123	2.005
VERTICAL SPREAD	:	1.868	1.376	1.376
EXTREME SPREAD	:	2.717	2.363	2.097
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	9		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8348952

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.165

VS= 3.320

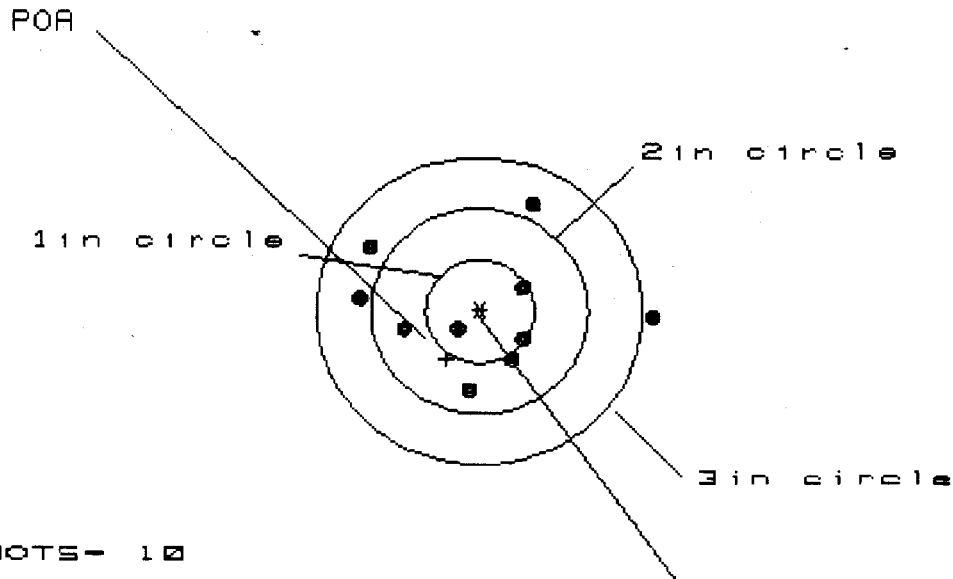
GS= 3.438

PATTERN #	:	4		
SHOTS (BEST OF)	:	10		8
MAXIMUM X	:	1.346	1.342	1.448
MINIMUM X	:	-.819	-.823	-.717
MAXIMUM Y	:	1.295	1.070	.860
MINIMUM Y	:	-2.025	-.870	-.736
CENTROID X	:	.024	.028	-.078
CENTROID Y	:	.293	.518	.384
POA TO CENTROID in.	:	.294	.518	.392
MIN RADIUS	:	.285	.313	.171
MEAN RADIUS	:	1.018	.880	.780
MAX RADIUS	:	2.025	1.599	1.625
HORIZONTAL SPREAD	:	2.165	2.165	2.165
VERTICAL SPREAD	:	3.320	1.940	1.596
EXTREME SPREAD	:	3.438	2.482	2.296
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Feb 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6348352

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.671

VS= 1.844

GS= 2.730

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.578	.648	.540
MINIMUM X	:	-1.094	-.918	-1.026
MAXIMUM Y	:	1.050	1.038	1.120
MINIMUM Y	:	-.794	-.806	-.724
CENTROID X	:	.303	.128	.236
CENTROID Y	:	.463	.475	.393
POA TO CENTROID in.	:	.553	.492	.459
MIN RADIUS	:	.266	.187	.170
MEAN RADIUS	:	.841	.752	.684
MAX RADIUS	:	1.581	1.224	1.243
HORIZONTAL SPREAD	:	2.671	1.566	1.566
VERTICAL SPREAD	:	1.844	1.844	1.844
EXTREME SPREAD	:	2.730	1.937	1.937
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348952

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0042458 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/7/96	WB
	G) Safety Off Force	2 1/2	2 1/2	3			5/7/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.65	2.51	2.65	2.52	2.51	5/7/96	WB
	C) Function							
660	Pack							

Remington
MODEL 700TM M24

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

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

SERIAL NO.
C6348952

ORDER NO.
5716

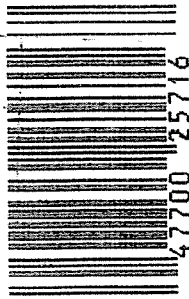
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Ø1



5716 C6348952

UPC



0 47700 25716 7

Score
0088

GUN SERIAL # C6348952

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace	9 14	89	RW
610	Dis-assemble Gun	9 14	89	RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	FO
618	Polish Barrel	9 15	89	BT
620	Apply Coatings (Barrel Action)		9-25-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	JS

BARBER - M24 0042461								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	6	6	9/28/89	RL		
	G) Safety Off Force	3	3	3	9/28/89	RL		
	H) Trigger Pull Test & Retainability				9/28/89	RL		
	I) Firing Pin Indent	.020	.020	.0205	9/28/89	RL		
	J) Assemble Stock				9/28/89	RL		
	K) Assemble Swivel Studs				4/6/89	RL		
	L) Attach Front and Rear Sight Assemblies				9/28/89	RL		
	M) Iron Sight Alignment				9/28/89	RL		
	N) Detach Front & Rear Sights & place in numbered container				9/28/89	RL		
	O) Attach Scope to Rifle				9/28/89	RL		
	P) Detach & Attach Scope 20 Times				9/28/89	RL		
640	Gallery Target & Test				9-29-89	DH		
	A) Time				9-29-89	AC		
	B) Malfunctions				9-29-89	AC		
	C) Pierced Primers				9-29-89	AC		
	D) Optical Clarity of Scope				9-29-89	AC		
645	Inspect for Live Ammo				9-29-89	AC		
655	Final Inspection							
	A) Headspace				4/6/89	RL		
	B) Trigger Pull	242	264	273	234	262	4/6/89	RL
	C) Function						4/6/89	RL
660	Pack						150000	RL

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

SERIAL NO. C634 8952

DATE 10 Mar 90

TESTER WS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	238	223	225	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	242	230	225	
PULL #3	235	231	227	
PULL #4	244	231	227	
PULL #5	245	234	222	
TOTAL	1194	1149	1126	
AVG.	2.388	2.298	2.252	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	296	284	
PULL #2	289	286	
PULL #3	287	286	
PULL #4	286	288	
PULL #5	288	288	
TOTAL	1446	1432	
AVG.	2.892	2.864	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	397	398		
PULL #2	394	392		
PULL #3	391	396		
PULL #4	393	389		
PULL #5	389	390		
TOTAL	1964	1965		
AVG.	3.928	3.93		

MOD. _____

GA.
CAL. _____

GUN

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	<i>Safe hits Stack</i>	<i>DW</i>
	2nd		
	3rd		
	4th		
		FUNCTION	

RD 6654

Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348952
29 Sep 1989

CENTROIDAL DISTANCES

0 TO	1	.965137
1 TO	2	.551526
1 TO	3	.926772
1 TO	4	.779593
1 TO	5	1.76988

5
+ $\frac{0.06}{1}$ <----POA

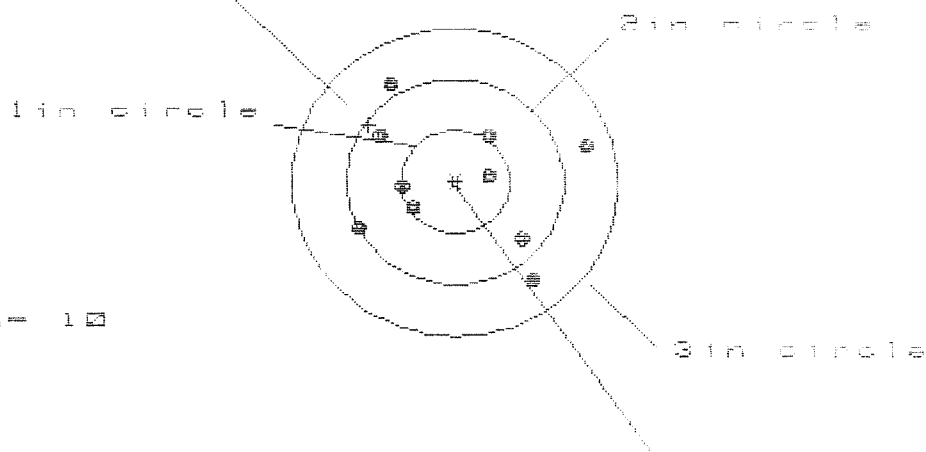
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3186
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0494
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .322407
THE AMR FOR THIS RIFLE IS: 1.18

28 Sep 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C634B952

CENTERFIRE PATTERNS # 1

POR



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.070

VS = 1.870

GS = 2.250

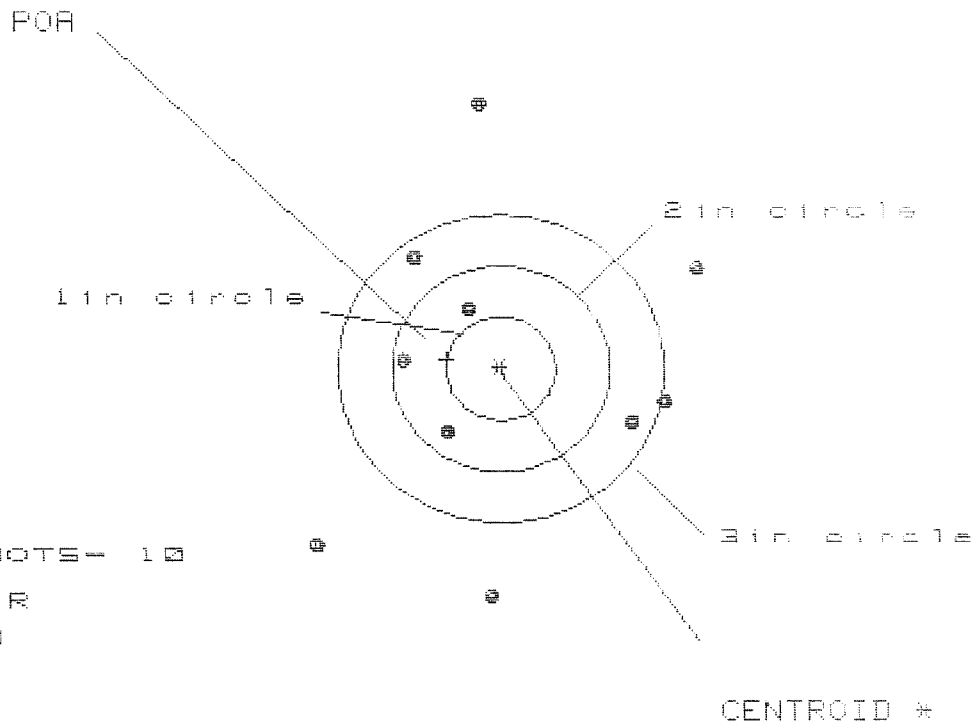
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.169	.793	.834
MINIMUM X	-.901	-.771	-.672
MAXIMUM Y	.952	.988	.878
MINIMUM Y	-.918	-.882	-.653
CENTROID X	.791	.661	.562
CENTROID Y	-.553	-.589	-.479
POR TO CENTROID in.	.965	.885	.738
MIN RADIUS	.359	.316	.226
MEAN RADIUS	.793	.732	.657
MAX RADIUS	1.214	1.186	1.059
HORIZONTAL SPREAD	2.070	1.564	1.506
VERTICAL SPREAD	1.870	1.870	1.531
EXTREME SPREAD	2.259	2.259	1.951
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

29 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8348932

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 5

HS = 3.515

VS = 4.887

GS = 4.887

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.846	1.826	1.615
MINIMUM X	:	-1.669	-1.689	-1.092
MAXIMUM Y	:	2.625	1.359	1.182
MINIMUM Y	:	-2.262	-1.971	-2.148
CENTROID X	:	.496	.516	.727
CENTROID Y	:	-.087	-.378	-.201
POA TO CENTROID in.	:	.503	.640	.754
MIN RADIUS	:	.706	.633	.906
MEAN RADIUS	:	1.588	1.467	1.365
MAX RADIUS	:	2.631	2.218	2.180
HORIZONTAL SPREAD	:	3.515	3.515	2.707
VERTICAL SPREAD	:	4.887	3.330	3.330
EXTREME SPREAD	:	4.887	4.419	3.792
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	

25 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06348952

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 7

HS= 2.720

VS= 3.539

GS= 3.977

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.838	.629	.452
MINIMUM X	:	-1.882	-1.416	-.605
MAXIMUM Y	:	1.790	1.949	1.750
MINIMUM Y	:	-1.749	-1.590	-.972
CENTROID X	:	.536	.745	.922
CENTROID Y	:	.385	.226	.425
POA TO CENTROID in.	:	.660	.779	1.016
MIN RADIUS	:	.388	.418	.586
MEAN RADIUS	:	1.205	1.011	.874
MAX RADIUS	:	2.365	2.129	1.764
HORIZONTAL SPREAD	:	2.720	2.045	1.057
VERTICAL SPREAD	:	3.539	3.539	2.722
EXTREME SPREAD	:	3.977	3.977	2.845
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

29 Sep 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C834B352

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.667

VS= 1.847

GS= 2.801

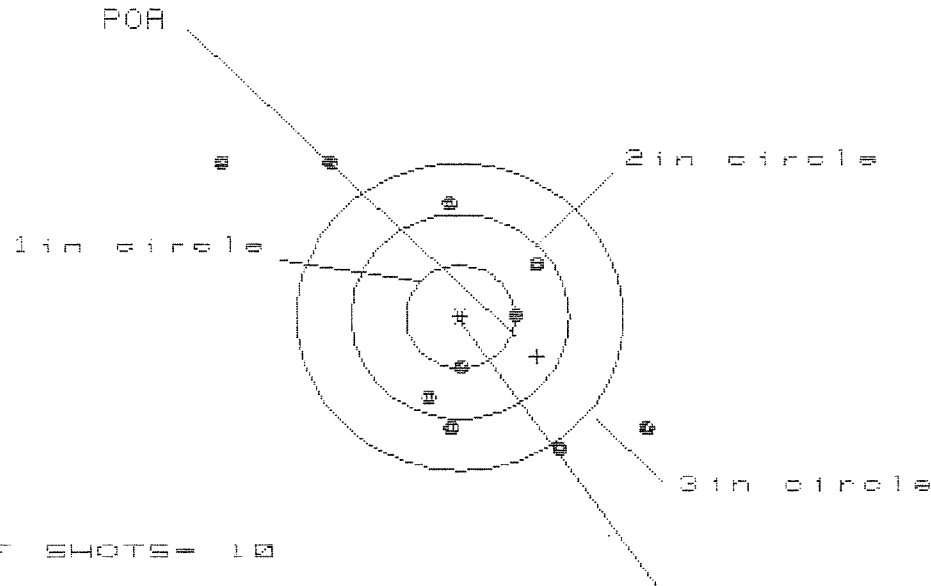
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.604	1.401	1.071
MINIMUM X	:	-1.063	-.984	-.709
MAXIMUM Y	:	1.060	1.068	.982
MINIMUM Y	:	-.787	-.779	-.865
CENTROID X	:	.478	.299	.124
CENTROID Y	:	.161	.153	.239
POA TO CENTROID in.	:	.504	.336	.270
MIN RADIUS	:	.598	.576	.445
MEAN RADIUS	:	.993	.899	.782
MAX RADIUS	:	1.606	1.561	1.120
HORIZONTAL SPREAD	:	2.667	2.285	1.780
VERTICAL SPREAD	:	1.847	1.847	1.847
EXTREME SPREAD	:	2.801	2.460	1.931
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Sep 1989

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 4

3 in = 6

HS = 3.911

VS = 2.819

GS = 4.728

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.714	1.470	.860
MINIMUM X	-2.197	-1.423	-1.239
MAXIMUM Y	1.541	1.681	1.563
MINIMUM Y	-1.278	-1.106	-1.225
CENTROID X	-.708	-.464	-.648
CENTROID Y	.388	.216	.335
POA TO CENTROID in.	.807	.512	.729
MIN RADIUS	.521	.364	.474
MEAN RADIUS	1.321	1.113	1.045
MAX RADIUS	2.684	2.202	1.994
HORIZONTAL SPREAD	3.911	2.893	2.699
VERTICAL SPREAD	2.819	2.787	2.787
EXTREME SPREAD	4.728	3.906	3.489
NUMBER IN ONE INCH CIRCLE =	4	4	4
NUMBER IN TWO INCH CIRCLE =	8	8	8
NUMBER IN THREE INCH CIRCLE =	10	9	8