

C6611524

MODEL 700™ M24

Model **SWS**

™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18854

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

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

Scope S/N 90-0125

DATE RECEIVED DATE OPENED DATE CODE SERIAL NUMBER NEW SERIAL NUMBER MODEL AND GRADE
06/14/94 06/15/94 C6611524 700 7.62 NATO
ACCESSORIES HARD CASE SCOPE MNTS SCOPE BASE SLING STRAP

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 C.O.D.

ACCOUNT NUMBER ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE ESTIMATED VIA
UPS

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
Trigger 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 0078269

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

SERIAL NO. C6611524
DATE 6-13-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.70	2.71		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.82	2.76		
PULL #3	2.68	2.64	2.82		
PULL #4	2.88	2.73	2.69		
PULL #5	2.81	2.85	2.87		
TOTAL	13.41	13.74	13.85		
AVG.	2.68	2.74	2.77		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.06		
PULL #2	3.09	3.24		
PULL #3	3.14	3.15		
PULL #4	3.11	3.37		
PULL #5	3.21	3.35		
TOTAL	15.67	16.17		
AVG.	3.13	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.05		4.16
PULL #2	4.24	4.10		4.29
PULL #3	4.31	4.10		4.29
PULL #4	4.37	4.15		4.26
PULL #5	4.33	4.30		4.17
TOTAL	21.27	20.70		21.17
AVG.	4.25	4.14		4.23

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611524
16 Apr 1966

CENTROIDAL DISTANCES

0 TO	1	.42281
1 TO	2	.0764199
1 TO	3	.477194
1 TO	4	.16311
1 TO	5	.173026

34th <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2712
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .289677

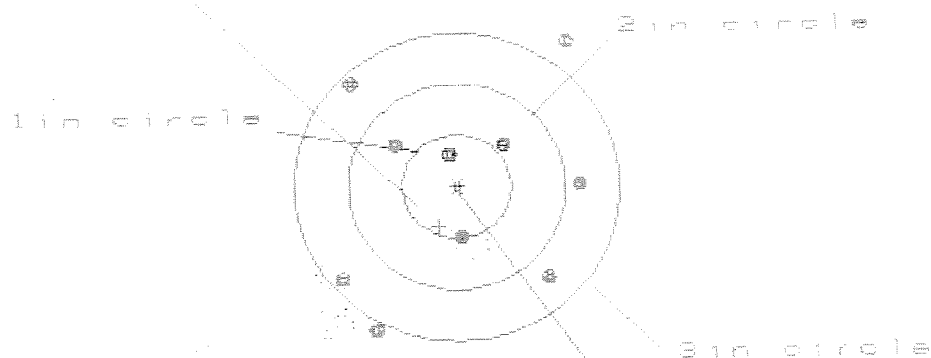
THE AMR FOR THIS RIFLE IS: .3028

18 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT:06E11524

CENTERFIRE PATTERNS # 1

FOR



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.201

VS= 2.828

GS= 3.348

PATTERN #

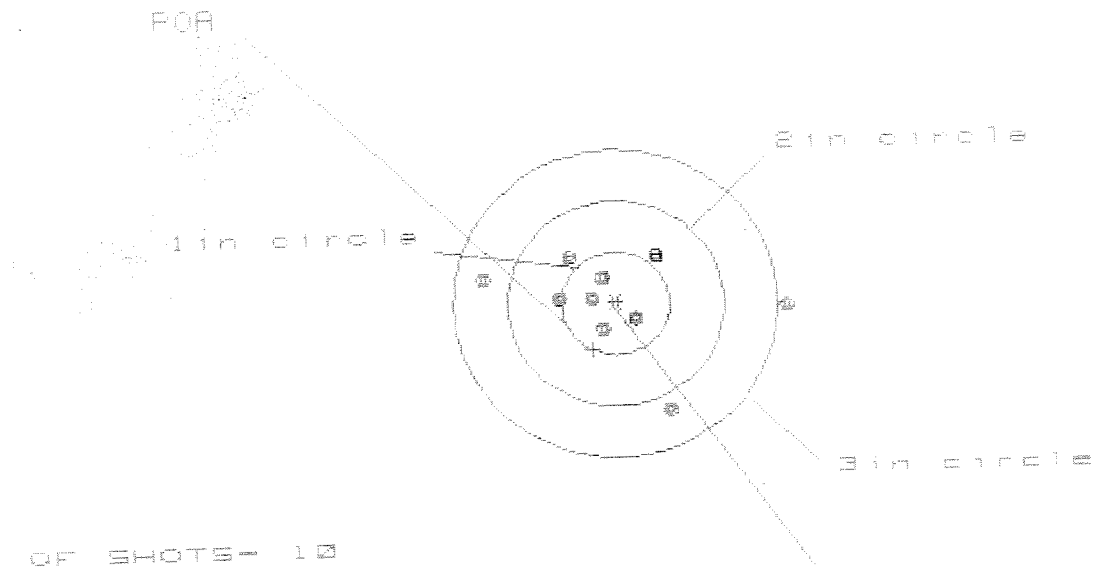
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.136	1.251	1.171
MINIMUM X	-1.065	-0.950	-1.030
MAXIMUM Y	1.414	1.216	1.059
MINIMUM Y	-1.414	-1.257	-0.895
CENTROID X	.168	.053	.133
CENTROID Y	.388	.231	.388
POA TO CENTROID in.	.423	.237	.410
MIN RADIUS	.366	.336	.361
MEAN RADIUS	1.061	.985	.987
MAX RADIUS	1.754	1.458	1.380
HORIZONTAL SPREAD	2.201	2.201	2.201
VERTICAL SPREAD	2.828	2.473	1.954
EXTREME SPREAD	3.348	2.594	2.594
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	8	

18 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/CG611524

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.784

VS= 1.527

GS= 2.798

CENTROID #

PATTERN #

2

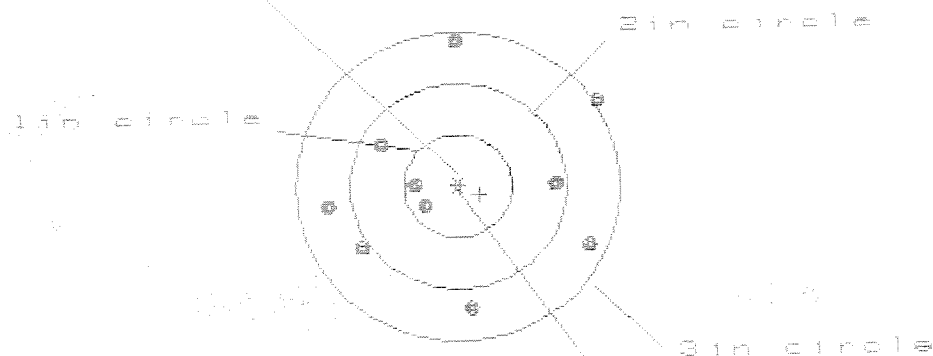
	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.553	.649	.517
MINIMUM X	-1.231	-1.059	-.469
MAXIMUM Y	.487	.481	.509
MINIMUM Y	-1.040	-1.046	-1.018
CENTROID X	.220	.048	.180
CENTROID Y	.444	.450	.422
FOR TO CENTROID in.	.496	.452	.458
MIN RADIUS	.190	.060	.163
MEAN RADIUS	.663	.531	.472
MAX RADIUS	1.554	1.231	1.141
HORIZONTAL SPREAD	2.784	1.708	.986
VERTICAL SPREAD	1.527	1.527	1.527
EXTREME SPREAD	2.798	2.129	1.735
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		

18 Apr 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06611524

CENTERFIRE PATTERNS # 3

POR



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.460

VS= 2.607

GS= 2.635

CENTROID #

PATTERN #

3

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.293	1.372	1.389
MINIMUM X	-1.167	-1.024	-1.007
MAXIMUM Y	1.414	1.503	.729
MINIMUM Y	-1.193	-1.104	-.916
CENTROID X	-.199	-.342	-.359
CENTROID Y	.003	-.006	-.194
POR TO CENTROID in.	.215	.342	.408
MIN RADIUS	.356	.189	.200
MEAN RADIUS	1.024	.925	.847
MAX RADIUS	1.520	1.509	1.431
HORIZONTAL SPREAD	2.460	2.396	2.396
VERTICAL SPREAD	2.607	2.607	1.645
EXTREME SPREAD	2.635	2.610	2.442
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

16 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/CB611524

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 10

HS= 2.144

VS= 1.854

GS= 2.301

CENTROID *

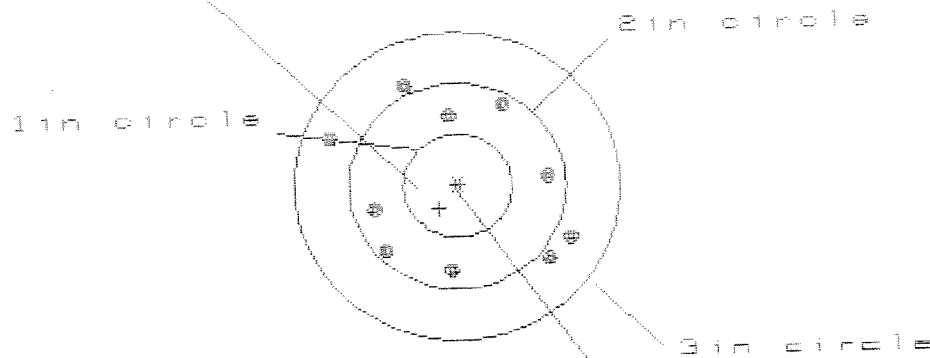
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.884	.845
MINIMUM X	-1.134	-.965	-1.004
MAXIMUM Y	.762	.707	.563
MINIMUM Y	-1.092	-1.147	-.498
CENTROID X	.149	.275	.314
CENTROID Y	.226	.281	.425
POA TO CENTROID in.	.271	.393	.528
MIN RADIUS	.344	.357	.400
MEAN RADIUS	.835	.770	.707
MAX RADIUS	1.237	1.190	1.066
HORIZONTAL SPREAD	2.144	1.849	1.849
VERTICAL SPREAD	1.854	1.854	1.061
EXTREME SPREAD	2.301	2.098	1.875
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

16 Apr 1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11524

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.153

VS= 1.796

GS= 2.343

CENTROID #

PATTERN #

5

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.020	.895	.851
MINIMUM X	-1.132	-.859	-.748
MAXIMUM Y	.941	.990	.936
MINIMUM Y	-.855	-.806	-.860
CENTROID X	.171	.097	.185
CENTROID Y	.215	.166	.220
POA TO CENTROID in.	.276	.341	.288
MIN RADIUS	.667	.733	.664
MEAN RADIUS	.931	.892	.871
MAX RADIUS	1.216	1.132	1.033
HORIZONTAL SPREAD	2.153	1.754	1.599
VERTICAL SPREAD	1.796	1.796	1.796
EXTREME SPREAD	2.343	2.025	2.015
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611524

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			

BARBER - M24 0078239								
op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			6/24/96	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			6/24/96	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	2.55	2.43	2.43	2.43	2.40	6/20/96	WB
	C) Function							
660	Pack							

MOD. <u>M 24</u>		GA. CAL. _____	GUN # <u>1524</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
<i>JK</i>	1st	<i>LOOSE EXTRACTOR</i> <i>NEW EXT</i>	<i>KS</i> <i>KS</i> <i>4-5/91</i>
	<i>4/5/91</i>		
	2nd	<i>100 RDS</i> <i>Test OK</i> <i>DH</i>	
	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		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611524

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	2/1/91	KA
600	Proof		2/1/91	KA
607	Check Headspace		2/1/91	KA
610	Dis-assemble Gun		2/1/91	KA
612	Magnaflux Barrel Action		2 11 91	Ked
	Magnaflux Bolt	2 11 91	2 11 91	Ked
615	Rollmark Caliber	2 11 91	2 11 91	68
617	Drill and Tap Sight Holes	2 13 91	2 13 91	FB
618	Polish Barrel <i>ABB</i>	2 13 91	2 13 91	WB
620	Apply Coatings (Barrel Action)		2-12-91	TA
	Apply Coating (Bolt)			
625	Final Assembly		3/20/91	KS
	A) Clean inside of Bolt Assembly		3/20/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/20/91	KS
	C) Inspect Ejector Hole for Chamfer		3/20/91	KS
	D) Oil Firing Pin Ass'y		3/20/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		3-22-91	RW

op. #	BARBER - M24 0078244 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4 1/4	4 1/2			3-22-91	KS
	G) Safety Off Force	2 3/4	2 1/2	2 3/4			3-22-91	KS
	H) Trigger Pull Test & Retainability						3-22-91	RW
	I) Firing Pin Indent	.0215	.0215	.0215			3-22-91	KS
	J) Assemble Stock						4-1-91	KS
	K) Assemble Swivel Studs						4/5/91	JL
	L) Attach Front and Rear Sight Assemblies						4-1-91	KS
	M) Iron Sight Alignment						4-1-91	KS
	N) Detach Front & Rear Sights & place in numbered container						4-1-91	KS
	O) Attach Scope to Rifle						4-1-91	KS
	P) Detach & Attach Scope 20 Times						4-1-91	KS
640	Gallery Target & Test						4-4-91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						4/4/91	KJ
655	Final Inspection							
	A) Headspace						4/5/91	JL
	B) Trigger Pull	2.30	2.21	2.20	2.19	2.15	4/5/91	JL
	C) Function						5/20/91	WB
660	Pack						6-18-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611524DATE 3/22/91TESTER AW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.33	2.16	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.32	2.10	2.21	
PULL #3	2.36	2.38	2.18	2.20	
PULL #4	2.27	2.41	2.16	2.19	
PULL #5	2.49	2.39	2.19	2.15	
TOTAL	11.91	11.83	10.79		
AVG.	2.38	2.37	2.16		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.38		
PULL #2	3.31	3.30		
PULL #3	3.27	3.39		
PULL #4	3.38	3.38		
PULL #5	3.37	3.43		
TOTAL	16.59	16.88		
AVG.	3.32	3.38		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.07		4.04
PULL #2	4.10	4.06		4.00
PULL #3	4.08	4.11		4.21
PULL #4	4.15	4.07		4.08
PULL #5	4.16	4.14		4.17
TOTAL	20.69	20.45		20.50
AVG.	4.14	4.09		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611524
5 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.0554617
1 TO	2	.159656
1 TO	3	.182694
1 TO	4	.256531
1 TO	5	.132

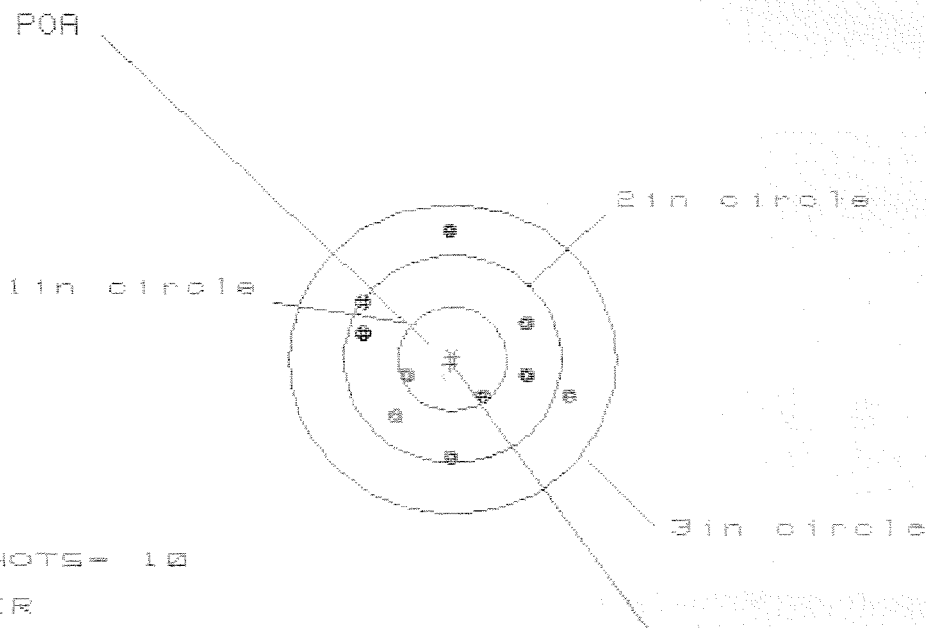
←----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .027
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0508
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .057549
THE AMR FOR THIS RIFLE IS: .7724

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611524

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.878

VS= 2.282

GS= 2.282

CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.065	1.059	.850
MINIMUM X	-.813	-.819	-.687
MAXIMUM Y	1.293	.733	.705
MINIMUM Y	-.989	-.845	-.873
CENTROID X	.024	.030	-.102
CENTROID Y	.050	-.094	-.066
POA TO CENTROID in.	.055	.099	.122
MIN RADIUS	.395	.294	.295
MEAN RADIUS	.828	.757	.706
MAX RADIUS	1.295	1.082	.964
HORIZONTAL SPREAD	1.878	1.878	1.537
VERTICAL SPREAD	2.282	1.578	1.578
EXTREME SPREAD	2.282	2.081	1.733
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611524

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.050

VS= 1.696

GS= 2.071

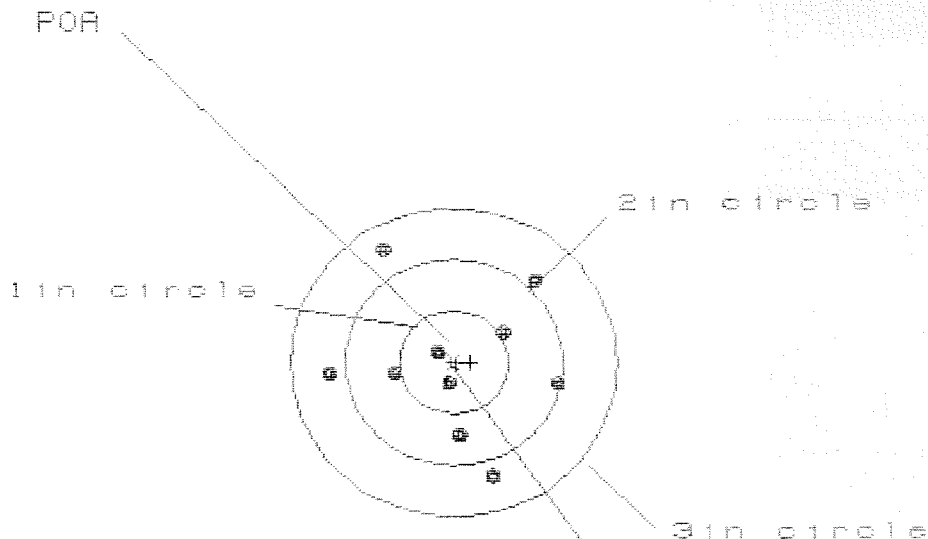
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.078	1.131	1.019
MINIMUM X	-.972	-.919	-.778
MAXIMUM Y	1.022	.531	.554
MINIMUM Y	-.673	-.560	-.536
CENTROID X	.167	.114	-.027
CENTROID Y	-.021	-.135	-.158
POR TO CENTROID in.	.169	.177	.161
MIN RADIUS	.542	.417	.359
MEAN RADIUS	.858	.809	.745
MAX RADIUS	1.129	1.146	1.128
HORIZONTAL SPREAD	2.050	2.050	1.797
VERTICAL SPREAD	1.696	1.091	1.091
EXTREME SPREAD	2.071	2.071	2.050
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611524

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.125

VS= 2.223

GS= 2.429

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.968	.901	.938
MINIMUM X	-1.158	-1.225	-1.188
MAXIMUM Y	1.106	.948	.824
MINIMUM Y	-1.117	-.995	-.657
CENTROID X	-.152	-.085	-.122
CENTROID Y	.001	-.121	.003
POA TO CENTROID in.	.152	.148	.122
MIN RADIUS	.189	.151	.204
MEAN RADIUS	.780	.722	.674
MAX RADIUS	1.262	1.225	1.193
HORIZONTAL SPREAD	2.126	2.126	2.126
VERTICAL SPREAD	2.223	1.943	1.481
EXTREME SPREAD	2.429	2.126	2.126
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611524

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.827

VS= 1.824

GS= 2.122

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.106	.858	.805
MINIMUM X	:	-.721	-.598	-.651
MAXIMUM Y	:	.820	.856	.735
MINIMUM Y	:	-1.004	-.968	-.531
CENTROID X	:	.072	-.051	.002
CENTROID Y	:	-.202	-.238	-.117
POA TO CENTROID in.	:	.214	.244	.117
MIN RADIUS	:	.245	.164	.295
MEAN RADIUS	:	.734	.672	.629
MAX RADIUS	:	1.154	1.056	.931
HORIZONTAL SPREAD	:	1.827	1.456	1.456
VERTICAL SPREAD	:	1.824	1.824	1.266
EXTREME SPREAD	:	2.122	2.015	1.667
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

4 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611524

CENTERFIRE PATTERNS

5

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.159

VS= 2.209

GS= 2.264

CENTROID *

PATTERN #

:

5

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.368

.339

.363

MINIMUM X

:

-.790

-.920

-.796

MAXIMUM Y

:

1.151

.810

.694

MINIMUM Y

:

-1.058

-.930

-.839

CENTROID X

:

.024

.053

.029

CENTROID Y

:

-.082

-.210

-.094

POR TO CENTROID in.

:

.085

.217

.093

MIN RADIUS

:

.155

.092

.143

MEAN RADIUS

:

.662

.591

.543

MAX RADIUS

:

1.182

.977

.897

HORIZONTAL SPREAD

:

1.159

1.159

1.159

VERTICAL SPREAD

:

2.209

1.740

1.533

EXTREME SPREAD

:

2.264

1.781

1.603

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10