

06587658

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0024697 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-18850

INITIAL JIM	CUSTOMER ORDER NO. DAAA09-92-C-0834		W/10X SCOPE M-24 SNIPER W/DEPLOYMENT KIT ATTN FRED MARTIN <i>Scope 90-0686</i>		
RECEIVED	DATE OPENED 4/94	DATE CODE 06/15/94	SERIAL NUMBER C6587658	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
PRIES HARD CASE		SCOPE MNTS		SCOPE BASE	SLING STRAP

JM:

SHIP TO:

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

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

AL 36201-5025

AL 36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
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- 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

New Barrel Stock
Trigger Assy, firing pin Assy
Mag Box, Mag Spring
Mag Follower
96118 FRONT SIGHT ASSY
96119 REAR SIGHT ASSY

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
			6/5/96	6/5/96	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0024697

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587658

DATE 5-17-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.59	2.76	2.60	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.67	2.59	
PULL #3	2.49	2.63	2.58	
PULL #4	2.50	2.69	2.58	
PULL #5	2.57	2.59	2.67	
TOTAL	12.62	13.34	13.02	
AVG.	2.52	2.66	2.60	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.08	3.09	
PULL #2	3.02	3.05	
PULL #3	3.03	3.00	
PULL #4	3.00	2.95	
PULL #5	3.01	3.03	
TOTAL	15.14	15.12	
AVG.	3.02	3.02	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.18		4.05
PULL #2	4.06	4.18		4.01
PULL #3	4.06	4.11		3.92
PULL #4	4.07	4.05		4.06
PULL #5	4.00	4.11		4.13
TOTAL	20.34	20.63		20.19
AVG.	4.06	4.12		4.03

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06587658
10 Apr 1900

CENTROIDAL DISTANCES

0 TO	1	.805963
1 TO	2	.751737
1 TO	3	.242736
1 TO	4	.50423
1 TO	5	.689442

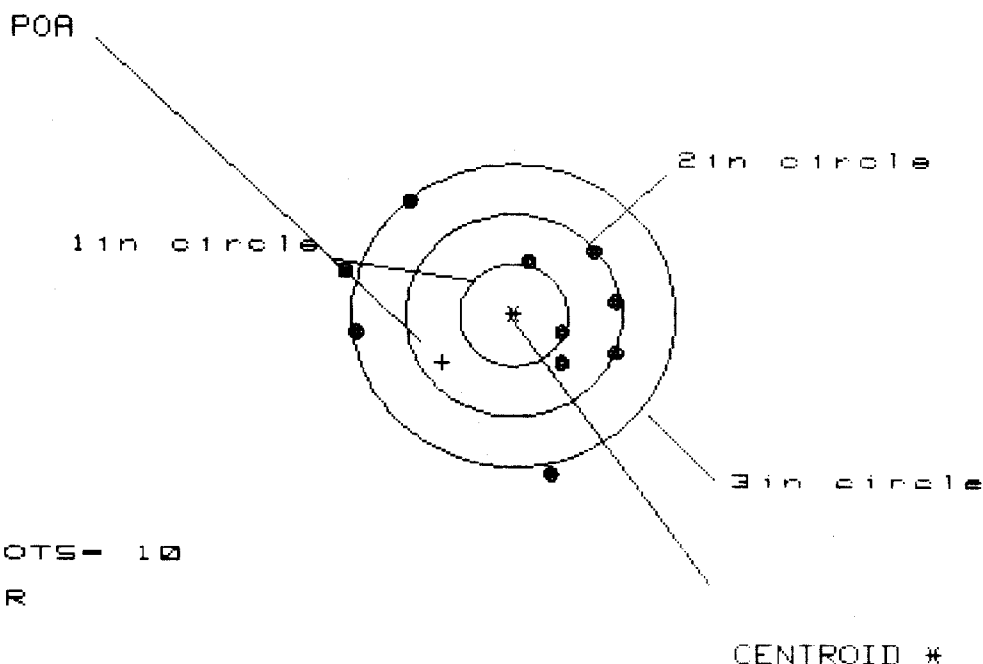
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4296
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1274
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .448093
THE AMR FOR THIS RIFLE IS: .9098

10 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 1



* OF SHOTS - 10

* IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.549

VS = 2.675

GS = 2.974

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.960	.784	.810
MINIMUM X	-1.589	-1.639	-1.613
MAXIMUM Y	1.098	1.146	.955
MINIMUM Y	-1.577	-1.529	-.617
CENTROID X	.659	.835	.809
CENTROID Y	.464	.416	.607
POA TO CENTROID in.	.806	.933	1.011
MIN RADIUS	.444	.264	.392
MEAN RADIUS	1.072	.955	.879
MAX RADIUS	1.646	1.647	1.650
HORIZONTAL SPREAD	2.549	2.423	2.423
VERTICAL SPREAD	2.675	2.675	1.572
EXTREME SPREAD	2.974	2.974	2.429
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

10 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

* OF SHOTS - 10

* IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.243

VS = 2.353

GS = 2.610

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.896	.804	.624
MINIMUM X	:	-1.348	-1.439	-.968
MAXIMUM Y	:	1.425	1.289	1.267
MINIMUM Y	:	-.927	-.769	-.791
CENTROID X	:	.412	.504	.684
CENTROID Y	:	-.246	-.405	-.383
POA TO CENTROID in.	:	.481	.647	.784
MIN RADIUS	:	.654	.488	.361
MEAN RADIUS	:	1.080	.967	.859
MAX RADIUS	:	1.647	1.450	1.495
HORIZONTAL SPREAD	:	2.243	2.243	1.592
VERTICAL SPREAD	:	2.353	2.058	2.058
EXTREME SPREAD	:	2.610	2.610	2.500
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

* OF SHOTS - 10

* IN CIR

1in = 2

2in = 9

3in = 10

HS= .990

VS= 1.934

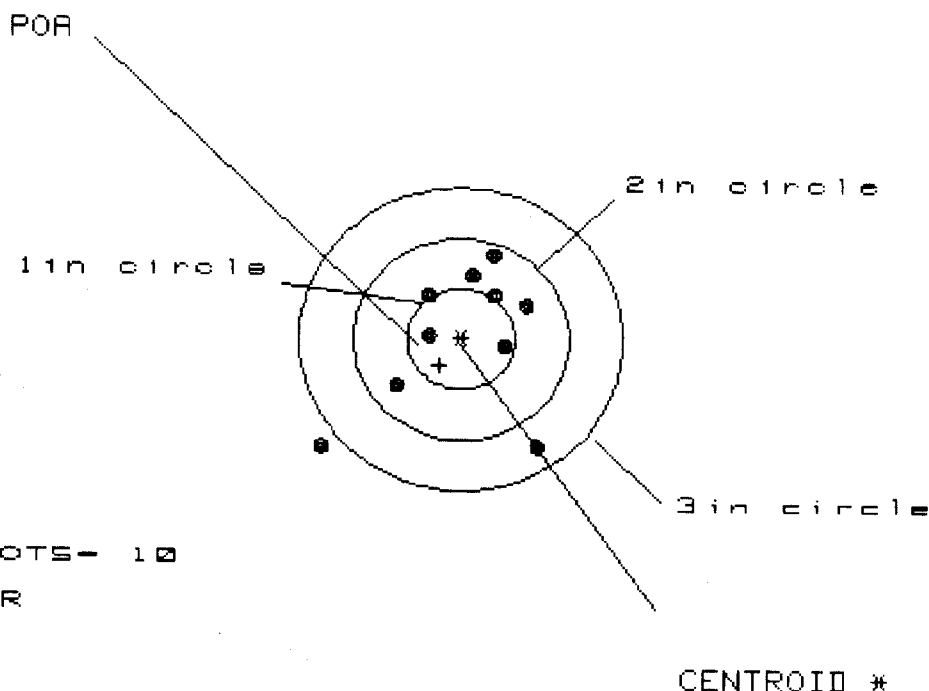
GS= 1.946

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.471	.485	.475
MINIMUM X	:	-.519	-.505	-.515
MAXIMUM Y	:	1.078	.825	.733
MINIMUM Y	:	-.856	-.736	-.642
CENTROID X	:	.448	.434	.444
CENTROID Y	:	.344	.224	.316
POA TO CENTROID in.	:	.565	.489	.545
MIN RADIUS	:	.209	.248	.235
MEAN RADIUS	:	.626	.564	.539
MAX RADIUS	:	1.085	.842	.799
HORIZONTAL SPREAD	:	.990	.990	.990
VERTICAL SPREAD	:	1.934	1.561	1.375
EXTREME SPREAD	:	1.946	1.580	1.411
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

10 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.082

VS= 1.902

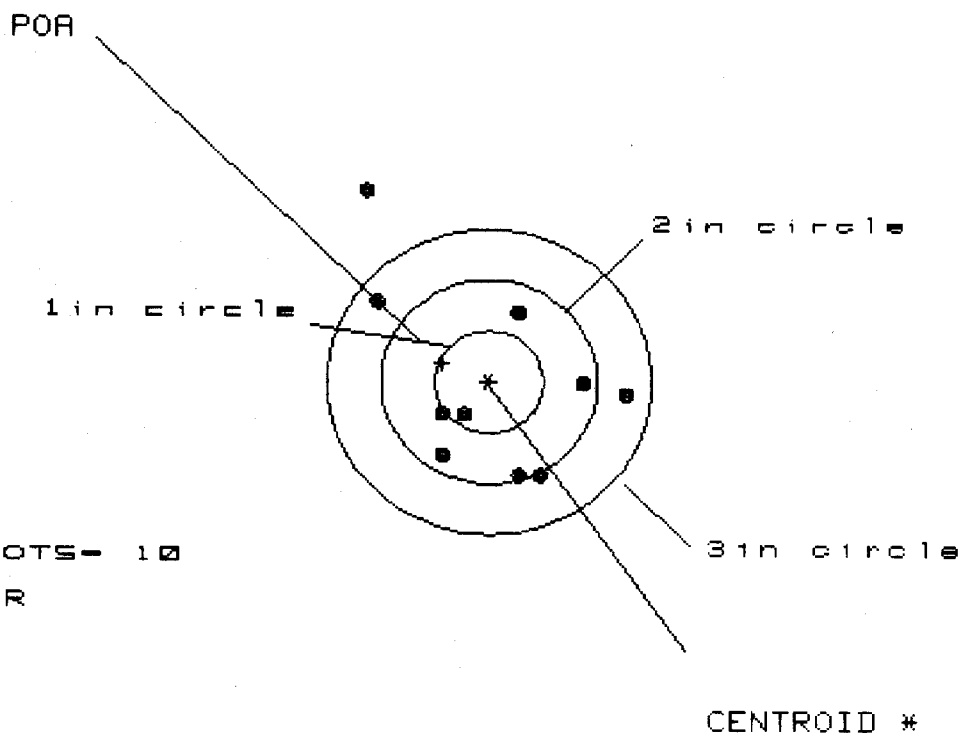
GS= 2.526

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.740	.591	.523
MINIMUM X	:	-1.342	-.708	-.634
MAXIMUM Y	:	.813	.693	.542
MINIMUM Y	:	-1.089	-1.206	-.686
CENTROID X	:	.197	.346	.272
CENTROID Y	:	.262	.382	.533
POA TO CENTROID in.	:	.327	.516	.599
MIN RADIUS	:	.317	.308	.286
MEAN RADIUS	:	.766	.617	.495
MAX RADIUS	:	1.728	1.343	.934
HORIZONTAL SPREAD	:	2.082	1.299	1.157
VERTICAL SPREAD	:	1.902	1.899	1.228
EXTREME SPREAD	:	2.526	1.945	1.510
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 5



* OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HE = 2.432

VS = 2.775

GS = 3.245

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.265	1.125	.836
MINIMUM X	-1.167	-1.112	-.970
MAXIMUM Y	1.855	.950	.965
MINIMUM Y	-.920	-.714	-.700
CENTROID X	.432	.561	.419
CENTROID Y	-.187	-.393	-.407
POA TO CENTROID in.	.470	.685	.585
MIN RADIUS	.373	.346	.209
MEAN RADIUS	1.005	.830	.767
MAX RADIUS	2.191	1.463	1.368
HORIZONTAL SPREAD	2.432	2.248	1.806
VERTICAL SPREAD	2.775	1.664	1.664
EXTREME SPREAD	3.245	2.398	2.240
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

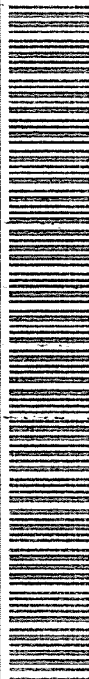
GUN SERIAL #

C 6587658

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			

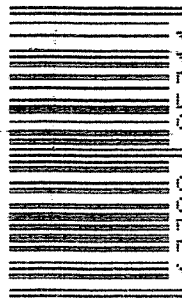
op. #	BARBER, M24 0024667 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	10	10	10			6/8/96	WB
	G) Safety Off Force	3	3	3			6/8/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.025	.023	.023			6/8/96	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	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	2.66	2.55	2.56	2.59	2.59	6/8/96	WB
	C) Function							
660	Pack							

Remington  REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™		SERIAL NO. 06587658	
H24		ORDER NO. 5716	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.			



5716 06587658

LPC



0 47700 25716 17

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587658

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1024	90	RW
607	Check Headspace	1024	90	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		10/30/90	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes		11/5/90	LB
618	Polish Barrel RWB		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-26-90	LB
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/9/91	WB

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force	4	1/3/91	WB
	G) Safety Off Force	2 1/2	1/3/91	WB
	H) Trigger Pull Test & Retainability		1/3/91	WB
	I) Firing Pin Indent	.021	1/3/91	WB
	J) Assemble Stock		1/15/91	RW
	K) Assemble Swivel Studs		1-16-91	JJ
	L) Attach Front and Rear Sight Assemblies		1/15/91	RW
	M) Iron Sight Alignment		1/15/91	RW
	N) Detach Front & Rear Sights & place in numbered container		1/15/91	RW
	O) Attach Scope to Rifle		1/15/91	RW
	P) Detach & Attach Scope 20 Times		1/15/91	RW
640	Gallery Target & Test		1-15-91	AC
	A) Time		1-15-91	AC
	B) Malfunctions		1-15-91	AC
	C) Pierced Primers		1-15-91	AC
	D) Optical Clarity of Scope		1-15-91	AC
645	Inspect for Live Ammo		1-15-91	AC
655	Final Inspection			
	A) Headspace		1-16-91	JJ
	B) Trigger Pull	2.40 2.42 2.41 2.44 2.44	1-16-91	JJ
	C) Function		1-16-91	JJ
660	Pack		3/15/91	WB

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

SERIAL NO. CC587658DATE 1-3-91TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.46	2.44	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.38	2.46	2.42	
PULL #3	2.57	2.38	2.37	2.41	
PULL #4	2.49	2.43	2.49	2.44	
PULL #5	2.53	2.56	2.54	2.44	
TOTAL	12.71	12.21	12.30		
AVG.	2.54	2.44	2.46		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.03		
PULL #2	3.06	3.01		
PULL #3	3.09	3.03		
PULL #4	3.03	3.01		
PULL #5	3.13	3.05		
TOTAL	15.42	15.13		
AVG.	3.08	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.20		4.25
PULL #2	4.12	4.10		4.15
PULL #3	4.06	4.13		4.17
PULL #4	4.13	4.13		4.16
PULL #5	4.11	4.08		4.09
TOTAL	20.54	20.64		20.77
AVG.	4.10	4.10		4.15

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587658
16 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.287689
1 TO	2	.104139
1 TO	3	.36696
1 TO	4	.206635
1 TO	5	.378906


 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1986

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .049

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .204556

THE AMP FOR THIS RIFLE IS: 1.023

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 9

HS= 2.072

VS= 3.061

GS= 3.071

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.077	1.039	.955
MINIMUM X	-.995	-1.033	-1.117
MAXIMUM Y	1.319	1.125	.947
MINIMUM Y	-1.742	-1.425	-.921
CENTROID X	.154	.192	.276
CENTROID Y	.243	.437	.615
POR TO CENTROID in.	.288	.477	.674
MIN RADIUS	.352	.227	.279
MEAN RADIUS	1.008	.893	.792
MAX RADIUS	1.775	1.575	1.448
HORIZONTAL SPREAD	2.072	2.072	2.072
VERTICAL SPREAD	3.061	2.550	1.868
EXTREME SPREAD	3.071	2.607	2.411
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 9		

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 2.529

VS = 2.558

GS = 3.225

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.533	1.219	1.233
MINIMUM X	:	-.995	-.825	-.811
MAXIMUM Y	:	1.086	.984	.787
MINIMUM Y	:	-1.472	-1.574	-1.270
CENTROID X	:	.175	.004	-.010
CENTROID Y	:	.141	.243	.440
POA TO CENTROID in.	:	.225	.243	.440
MIN RADIUS	:	.363	.483	.422
MEAN RADIUS	:	1.055	.949	.838
MAX RADIUS	:	1.786	1.578	1.293
HORIZONTAL SPREAD	:	2.529	2.044	2.044
VERTICAL SPREAD	:	2.558	2.558	2.057
EXTREME SPREAD	:	3.225	2.725	2.188
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 1.574

VS = 3.482

GS = 3.515

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.833	.804	.708
MINIMUM X	-.741	-.770	-.781
MAXIMUM Y	1.276	1.031	1.034
MINIMUM Y	-2.206	-1.035	-.906
CENTROID X	.306	.335	.431
CENTROID Y	-.091	.154	.025
POA TO CENTROID in.	.319	.369	.432
MIN RADIUS	.299	.512	.366
MEAN RADIUS	1.003	.864	.779
MAX RADIUS	2.221	1.287	1.196
HORIZONTAL SPREAD	1.574	1.574	1.489
VERTICAL SPREAD	3.482	2.066	1.940
EXTREME SPREAD	3.515	2.084	2.084
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587658

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.120

VS= 2.523

CS= 2.831

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	1.081	1.009
MINIMUM X	:	-.995	-.870	-.942
MAXIMUM Y	:	1.223	1.346	.816
MINIMUM Y	:	-1.300	-1.177	-1.008
CENTROID X	:	.281	.156	.228
CENTROID Y	:	.080	-.043	-.212
POA TO CENTROID in.	:	.292	.162	.311
MIN RADIUS	:	.538	.390	.299
MEAN RADIUS	:	1.025	.953	.890
MAX RADIUS	:	1.581	1.466	1.155
HORIZONTAL SPREAD	:	2.120	1.951	1.951
VERTICAL SPREAD	:	2.523	2.523	1.824
EXTREME SPREAD	:	2.831	2.731	2.131
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587658

CENTERFIRE PATTERNS # 5

POR

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.983

VS= 2.474

GS= 3.136

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.254	1.062	.798
MINIMUM X	-1.729	-1.082	-.878
MAXIMUM Y	1.328	1.344	1.243
MINIMUM Y	-1.146	-1.130	-1.231
CENTROID X	.077	.269	.137
CENTROID Y	-.128	-.144	-.043
POR TO CENTROID in.	.150	.305	.143
MIN RADIUS	.263	.101	.263
MEAN RADIUS	1.023	.935	.885
MAX RADIUS	1.735	1.597	1.435
HORIZONTAL SPREAD	2.983	2.064	1.668
VERTICAL SPREAD	2.474	2.474	2.474
EXTREME SPREAD	3.136	2.911	2.755
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	