

C6587698

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

BARBER, M24-0025425

R ORDER
94-18297

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

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE	
06/10/94	06/10/94		C6587698		700 7-62	NATO
ACCESSORIES	SLING STRAP	HARD CASE	SCOPE MNTS	SCOPE BASE		

SHIP TO:

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

AL 36201-5025

AL
36201-5025

CUST NO:098397 CJO.DL

WRITE

VIA

FRT

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

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			G1	D3	E5	F5
METAL			G2			

MAIN FAULT

PARTS

COMMENTS

PATTERN

DATE _____

OFFICE COPY

RD6925 REV. 1/94

BARBER - M24 M2400925464

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587DATE 4-17-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.48	2.59		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.46	2.53		
PULL #3	2.55	2.53	2.58		
PULL #4	2.49	2.57	2.52		
PULL #5	2.66	2.61	2.54		
TOTAL	12.62	12.65	12.76		
AVG.	2.52	2.53	2.55		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.13	2.95		
PULL #2	3.00	2.91		
PULL #3	2.97	3.00		
PULL #4	3.00	2.95		
PULL #5	2.99	2.94		
TOTAL	15.09	14.75		
AVG.	3.01	2.95		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.00		4.30
PULL #2	4.20	4.04		4.19
PULL #3	4.15	4.01		4.19
PULL #4	4.16	4.13		4.19
PULL #5	4.22	4.16		4.12
TOTAL	21.09	20.34		20.99
AVG.	4.21	4.06		4.19

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587698
22 Feb 1900

CENTROIDAL DISTANCES

0 TO	1	.724079
1 TO	2	.272621
1 TO	3	.0407922
1 TO	4	.318
1 TO	5	.347973

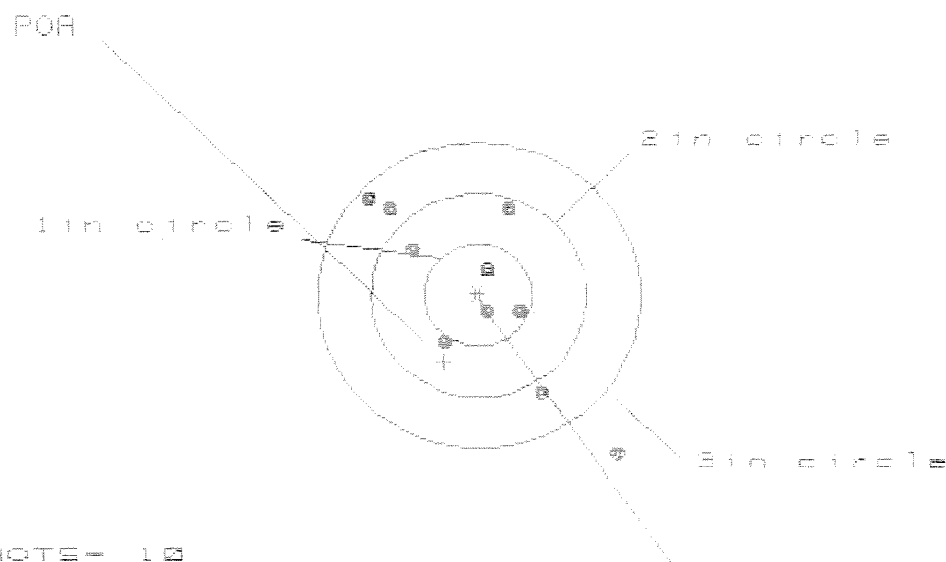
+ ⁸₀₀ -----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4236
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5242
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .67396
THE AMR FOR THIS RIFLE IS: .961

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587638

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.220

VS= 2.479

GS= 3.328

CENTROID #

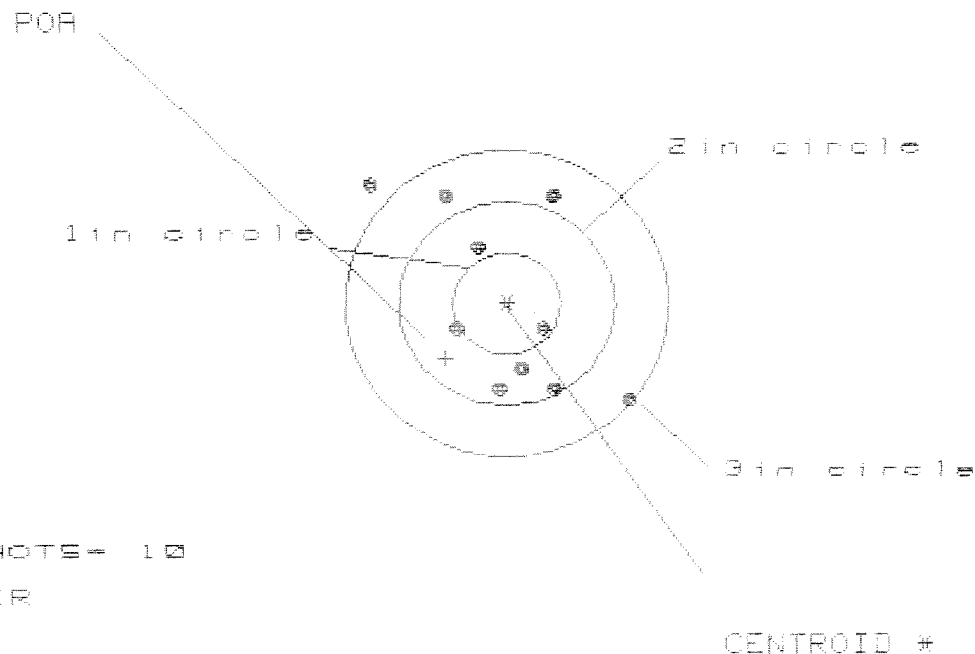
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.240	.724	.619
MINIMUM X	-.980	-.842	-.749
MAXIMUM Y	.949	.779	.762
MINIMUM Y	-1.530	-1.105	-1.008
CENTROID X	.317	.179	.284
CENTROID Y	.651	.821	.724
POA TO CENTROID (in.)	.724	.840	.778
MIN RADIUS	.220	.240	.196
MEAN RADIUS	.855	.729	.654
MAX RADIUS	1.970	1.321	1.183
HORIZONTAL SPREAD	2.220	1.566	1.368
VERTICAL SPREAD	2.479	1.884	1.770
EXTREME SPREAD	3.328	2.450	2.219
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06587638

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.398

VS= 2.100

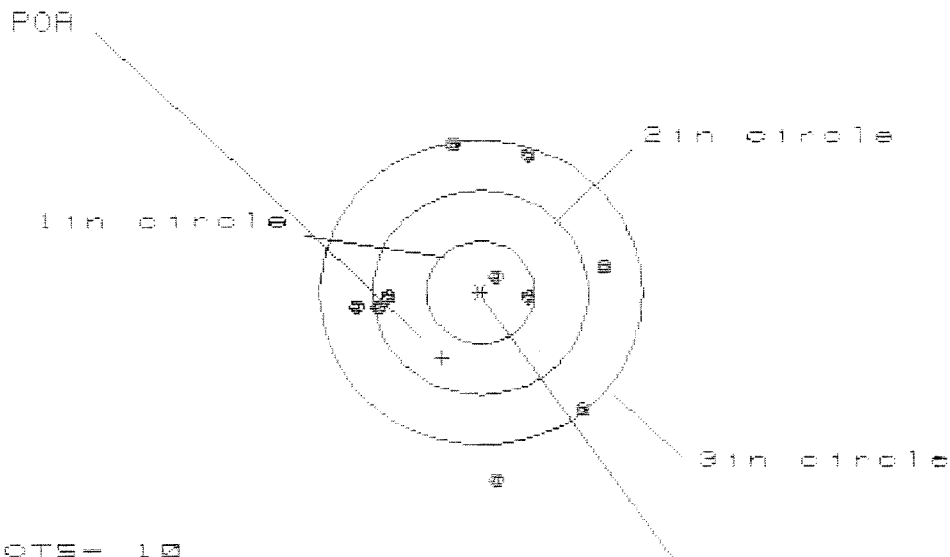
GS= 3.188

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.168	1.031	.468
MINIMUM X	-1.230	-.703	-.574
MAXIMUM Y	1.149	1.208	1.105
MINIMUM Y	-.951	-.823	-.856
CENTROID X	.566	.703	.574
CENTROID Y	.540	.412	.515
POA TO CENTROID in.	.782	.815	.771
MIN RADIUS	.441	.260	.421
MEAN RADIUS	.969	.860	.809
MAX RADIUS	1.684	1.373	1.220
HORIZONTAL SPREAD	2.398	1.734	1.042
VERTICAL SPREAD	2.100	2.031	1.961
EXTREME SPREAD	3.188	2.649	2.195
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

22 Feb-1968

FILE:/PATTERNING/CENTERFIRE_PATT/C6587698

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.280

VS= 3.256

GS= 3.281

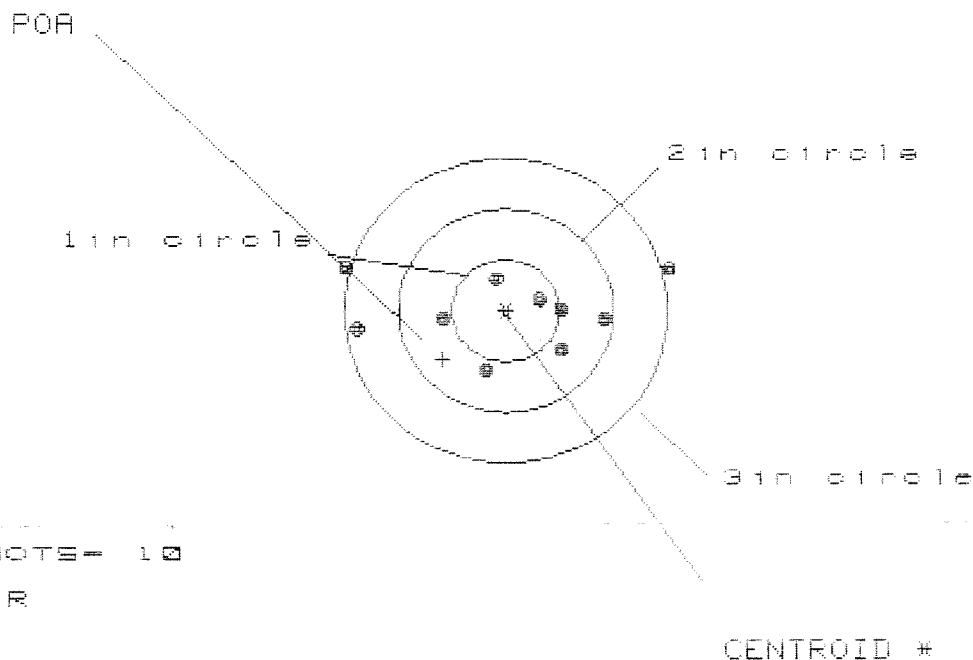
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.123	1.141	1.113
MINIMUM X	-1.157	-1.139	-1.167
MAXIMUM Y	1.454	1.254	1.293
MINIMUM Y	-1.802	-1.300	-1.144
CENTROID X	.357	.339	.367
CENTROID Y	.643	.843	.687
POA TO CENTROID in.	.735	.909	.779
MIN RADIUS	.230	.199	.196
MEAN RADIUS	1.098	1.005	.958
MAX RADIUS	1.809	1.611	1.470
HORIZONTAL SPREAD	2.280	2.280	2.280
VERTICAL SPREAD	3.256	2.554	2.437
EXTREME SPREAD	3.281	2.812	2.494
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587698

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 2.841

VS = 1.048

GS = 2.841

PATTERN #	4	5	6
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.497	1.079	.919
MINIMUM X	-1.444	-1.278	-1.338
MAXIMUM Y	.452	.452	.418
MINIMUM Y	-.596	-.546	-.489
CENTROID X	.587	.421	.581
CENTROID Y	.483	.433	.376
POA TO CENTROID in.	.760	.604	.692
MIN RADIUS	.303	.363	.362
MEAN RADIUS	.838	.766	.665
MAX RADIUS	1.563	1.356	1.338
HORIZONTAL SPREAD	2.941	2.357	2.257
VERTICAL SPREAD	1.048	.998	.907
EXTREME SPREAD	2.941	2.411	2.257
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

22 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6587698

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS = 2.596

VS = 2.456

GS = 3.045

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.157	.954	.790
MINIMUM X	-1.439	-1.310	-.826
MAXIMUM Y	1.070	.916	.923
MINIMUM Y	-1.386	-1.032	-1.025
CENTROID X	.291	.162	.326
CENTROID Y	.304	.458	.451
POA TO CENTROID in.	.420	.486	.557
MIN RADIUS	.631	.442	.595
MEAN RADIUS	1.045	.925	.879
MAX RADIUS	1.805	1.323	1.215
HORIZONTAL SPREAD	2.596	2.264	1.616
VERTICAL SPREAD	2.456	1.948	1.948
EXTREME SPREAD	3.045	2.424	2.185
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587698

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 0025434		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	6	5 3/4	6			5/7/96	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			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	2.36	2.41	2.38	2.43	2.46	5/7/96	WB
	C) Function							
660	Pack							

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

MODEL 700™ M24

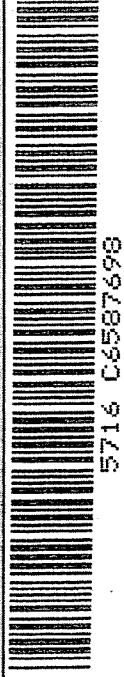
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO.
 C6587698

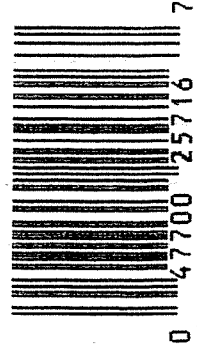
ORDER NO.
5716

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

01



UPC



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587698

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 9 90		RW
600	Proof	10 9 90		RW
607	Check Headspace	10 9 90		RW
610	Dis-assemble Gun	10 9 90		RW
612	Magnaflux Barrel Action		10/17/90	KR
	Magnaflux Bolt		10/17/90	KR
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	LB
618	Polish Barrel <i>RB</i>		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		11/7/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	RW
	C) Inspect Ejector Hole for Chamfer		11/10/90	RW
	D) Oil Firing Pin Ass'y		11/7/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11-15-90	JA

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 3/4	11/15/90	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4	11/15/90	WB
	H) Trigger Pull Test & Retainability				11-15-90	ML
	I) Firing Pin Indent	.021	.0205	.021	11/15/90	WB
	J) Assemble Stock				11/28/90	RW
	K) Assemble Swivel Studs				11-29-90	JS
	L) Attach Front and Rear Sight Assemblies				11/28/90	RW
	M) Iron Sight Alignment				11/28/90	RW
	N) Detach Front & Rear Sights & place in numbered container				11/28/90	RW
	O) Attach Scope to Rifle				11/28/90	RW
	P) Detach & Attach Scope 20 Times				11/28/90	RW
640	Gallery Target & Test				11/28/90	KI
	A) Time				11/28/90	KI
	B) Malfunctions				11/28/90	KI
	C) Pierced Primers				11/28/90	KI
	D) Optical Clarity of Scope				11/28/90	KI
645	Inspect for Live Ammo				11/28/90	KI
655	Final Inspection					
	A) Headspace				11-29-90	JS
	B) Trigger Pull	2.54	2.50	2.55 2.50	11-29-90	JS
	C) Function				11-29-90	JS
660	Pack				12/19/90	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587698

DATE 11-15-90

TESTER JLP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.29	2.27	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.23	2.29	2.50	
PULL #3	2.14	2.11	2.28	2.55	
PULL #4	2.30	2.25	2.29	2.50	
PULL #5	2.24	2.18	2.30	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.37		
PULL #2	3.32	3.31		
PULL #3	3.42	3.38		
PULL #4	3.42	3.33		
PULL #5	3.31	3.40		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.17		4.45
PULL #2	4.49	4.38		4.48
PULL #3	4.29	4.32		4.35
PULL #4	4.34	4.40		4.39
PULL #5	4.38	4.38		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6587698

29 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.110422
1 TO	2	.13381
1 TO	3	.161549
1 TO	4	.0613922
1 TO	5	.144087

✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0339

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.081

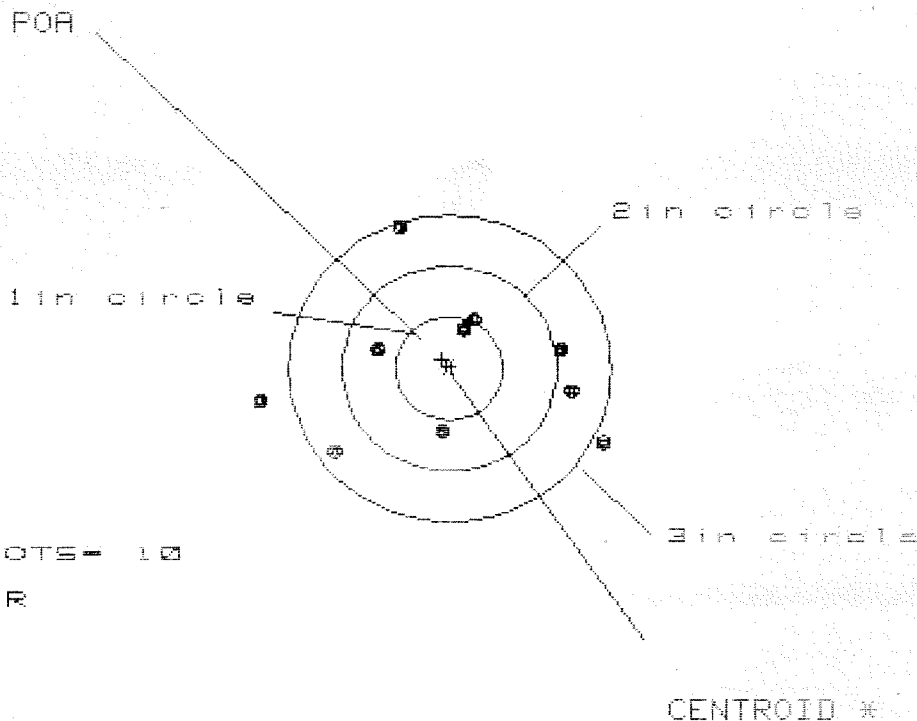
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0877692

THE AMR FOR THIS RIFLE IS: .9966

29 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8587698

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HE = 3.172

VS = 2.176

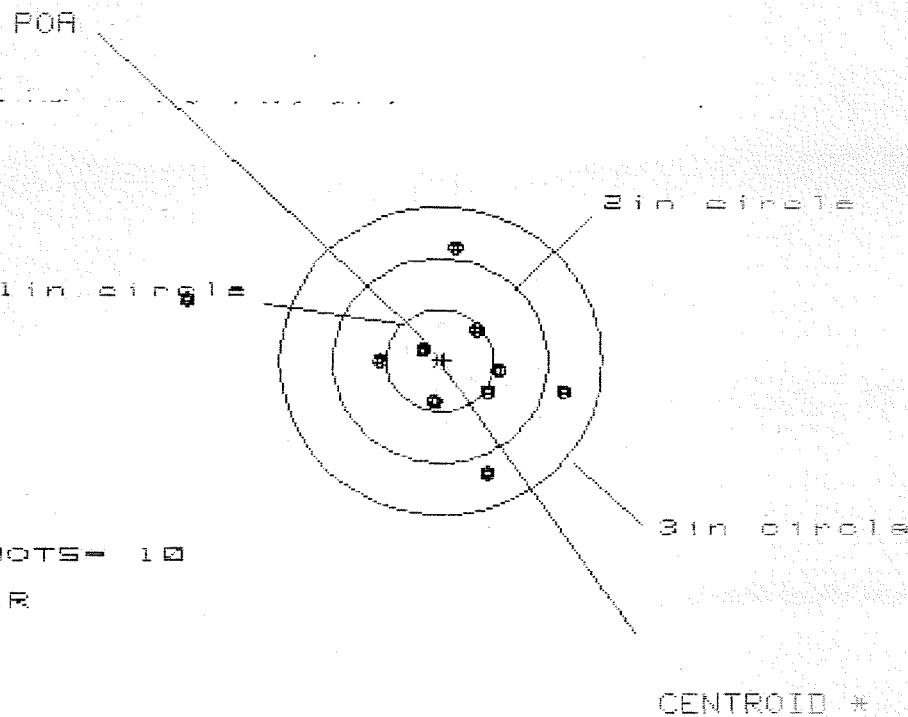
GS = 3.190

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	1.239	1.095
MINIMUM X	-1.740	-1.243	-1.098
MAXIMUM Y	1.371	1.333	1.243
MINIMUM Y	-0.805	-0.843	-0.933
CENTROID X	.068	.262	.107
CENTROID Y	-.087	-.049	.041
POA TO CENTROID in.	.110	.266	.115
MIN RADIUS	.408	.347	.275
MEAN RADIUS	1.071	.970	.898
MAX RADIUS	1.773	1.506	1.433
HORIZONTAL SPREAD	3.172	2.482	2.183
VERTICAL SPREAD	2.176	2.176	2.176
EXTREME SPREAD	3.190	2.825	2.366
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

29 Nov 1998

FILE://PATTERNING/CENTERFIRE_PATT/GSS87888

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 3.500

VS= 2.108

GS= 3.635

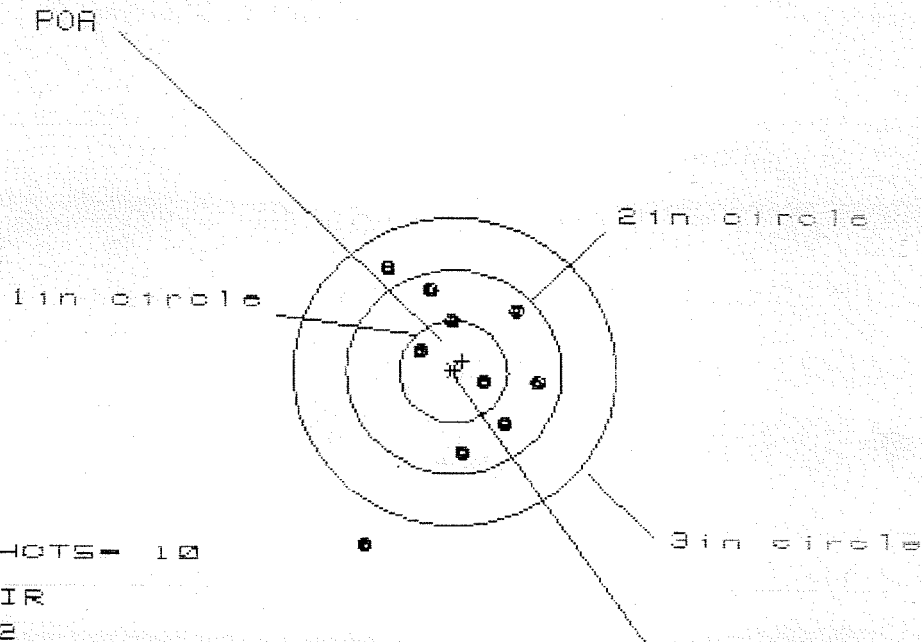
PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.162	.902	.415
MINIMUM X	:	-2.338	-.808	-.695
MAXIMUM Y	:	1.061	1.134	1.103
MINIMUM Y	:	-1.047	-.974	-1.005
CENTROID X	:	-.040	.220	.107
CENTROID Y	:	-.008	-.081	-.050
POA TO CENTROID in.	:	.041	.234	.118
MIN RADIUS	:	.183	.215	.317
MEAN RADIUS	:	.846	.629	.588
MAX RADIUS	:	2.428	1.141	1.103
HORIZONTAL SPREAD	:	3.500	1.710	1.110
VERTICAL SPREAD	:	2.108	2.108	2.108
EXTREME SPREAD	:	3.635	2.137	2.137
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

29 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587698

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 1.589

VS= 2.731

GS= 2.739

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.758	.666	.577
MINIMUM X	:	-.831	-.710	-.522
MAXIMUM Y	:	1.040	.852	.746
MINIMUM Y	:	-1.691	-.976	-.870
CENTROID X	:	-.079	.013	.102
CENTROID Y	:			

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

25 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587698

CENTERFIRE PATTERNS # 4

POR

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.439

VS= 1.749

GS= 2.525

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.151	1.024	.847
MINIMUM X	:	-1.287	-1.415	-.823
MAXIMUM Y	:	.955	1.038	.995
MINIMUM Y	:	-.794	-.711	-.754
CENTROID X	:	.008	.136	.313
CENTROID Y	:	-.001	.101	.117
MEAN TO CENTROID DIST	:	.004	.120	.117
MIN RADIUS	:	.105	.101	.101
MEAN RADIUS	:	.917	.850	.755
MAX RADIUS	:	1.360	1.455	1.117
HORIZONTAL SPREAD	:	2.439	2.439	1.570
VERTICAL SPREAD	:	1.749	1.749	1.749
EXTENT SPREAD	:	2.525	2.440	1.920
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

29 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/68587899

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 5

HS = 3.147

VS = 3.787

GS = 4.162

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.560	1.710	1.531
MINIMUM X	:	-1.587	-1.437	-1.423
MAXIMUM Y	:	1.536	1.286	1.273
MINIMUM Y	:	-2.251	-0.823	-0.836
CENTROID X	:	.212	.062	.241
CENTROID Y	:	-.082	.168	.191
POA TO CENTROID in.	:	.227	.179	.301
MIN RADIUS	:	.536	.574	.395
MEAN RADIUS	:	1.334	1.145	1.083
MAX RADIUS	:	2.626	1.713	1.650
HORIZONTAL SPREAD	:	3.147	3.147	2.954
VERTICAL SPREAD	:	3.787	2.109	2.109
EXTREME SPREAD	:	4.162	3.147	3.042
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	