

06523422

MODEL 700TM M24

Model S&S TM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0027793

COMMENTS

ORDER
R 94-18215INITIAL
FDC
CUSTOMER ORDER NO.
DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATT: FRED MARTIN

Scope # 90-0765

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6523422	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.DL

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
			FRT		
GUN CONDITION					REPAIR CHARGE
☐ NEW					EXCISE
☐ LIGHTLY WORN					TAX
☐ WORN					INSURANCE
☐ VERY WORN					UPS
☐ UNREPAIRABLE					PARCEL POST
☐ 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			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

RTS

COMMENTS

New Barrel
Trigger Assy
Front & Rear Sight Assy

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
			A	A	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
			3/21	3/21	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0027793

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

SERIAL NO. C 6523422DATE 2-27-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.46	2.39	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.59	2.49	2.88	
PULL #3	2.63	2.15	2.55	
PULL #4	2.87	2.48	2.64	
PULL #5	2.37	2.48	2.87	
TOTAL	1292	1199	1360	
AVG.	2.58	2.39	2.72	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.34		
PULL #2	3.40	3.03		
PULL #3	3.15	3.21		
PULL #4	3.08	3.00		
PULL #5	3.34	3.36		
TOTAL	1627	1594		
AVG.	3.25	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	3.87		4.05
PULL #2	4.06	3.92		4.06
PULL #3	4.07	3.70		4.00
PULL #4	4.23	3.80		4.10
PULL #5	4.00	3.92		4.00
TOTAL	2048	1924		2021
AVG.	4.09	3.84		4.04

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523422
22 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	1.00057
1 TO	2	.148408
1 TO	3	.385728
1 TO	4	.306315
1 TO	5	.429029

1
5
+ <----POA

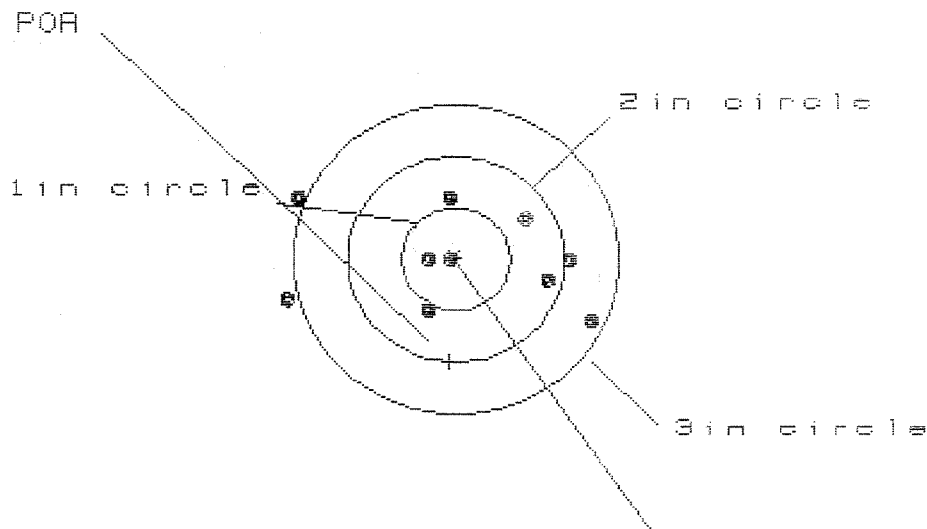
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1306
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .7686
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .779617

THE AMR FOR THIS RIFLE IS: .95

22 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523422

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

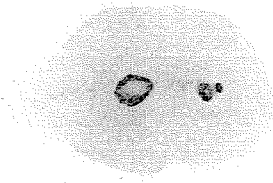
CENTROID #

3in = 3

HS= 2.783

VS= 1.233

GS= 2.975

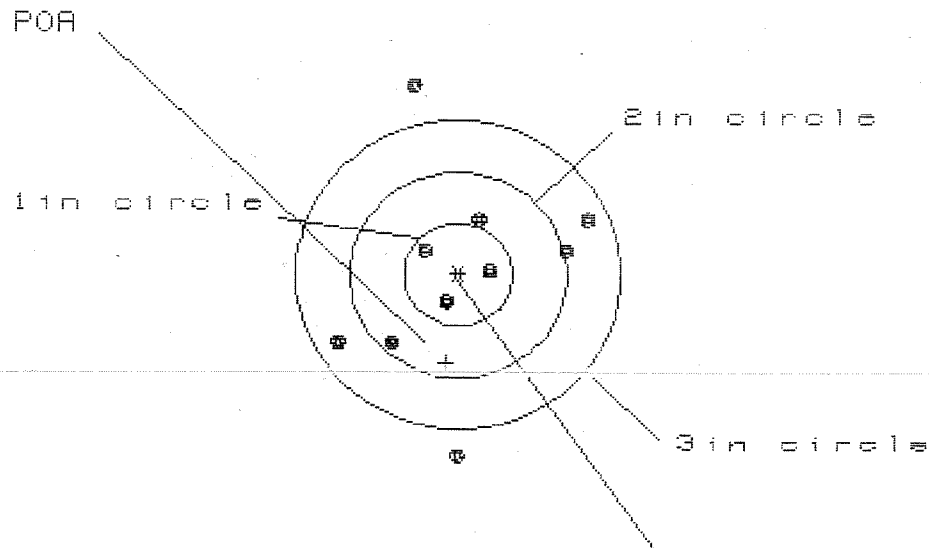


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.220	1.054	.838
MINIMUM X	-1.563	-1.729	-.673
MAXIMUM Y	.647	.674	.631
MINIMUM Y	-.586	-.514	-.557
CENTROID X	.056	.222	.438
CENTROID Y	.999	.927	.970
POA TO CENTROID in.	1.000	.953	1.064
MIN RADIUS	.077	.257	.455
MEAN RADIUS	.887	.811	.681
MAX RADIUS	1.622	1.762	1.006
HORIZONTAL SPREAD	2.783	2.783	1.511
VERTICAL SPREAD	1.233	1.188	1.188
EXTREME SPREAD	2.975	2.788	1.760
NUMBER IN ONE INCH CIRCLE =	2		

22 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523422

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.261

VS= 3.575

GS= 3.599

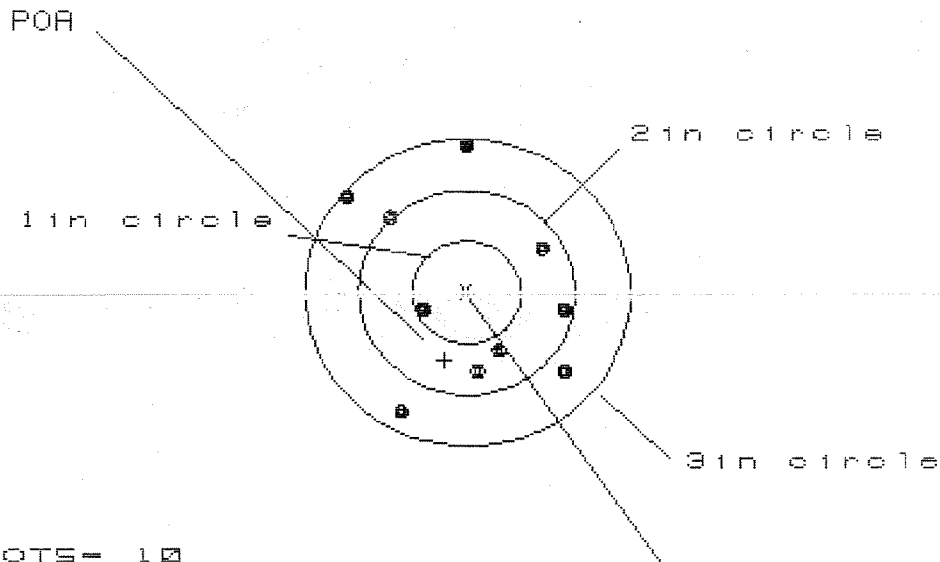
CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10		8
MAXIMUM X	1.168		1.110
MINIMUM X	-1.093		-1.151
MAXIMUM Y	1.683		.588
MINIMUM Y	-1.777		-.685
CENTROID X	.116		.167
CENTROID Y	.860		.856
POA TO CENTROID in.	.867	.678	.872
MIN RADIUS	.274	.196	.216
MEAN RADIUS	.974	.878	.763
MAX RADIUS	1.856	1.573	1.319
HORIZONTAL SPREAD	2.261	2.261	2.261
VERTICAL SPREAD	3.575	2.356	1.273
EXTREME SPREAD	3.599	2.584	2.545
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

22 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/06523422

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.039

VS= 2.531

GS= 2.600

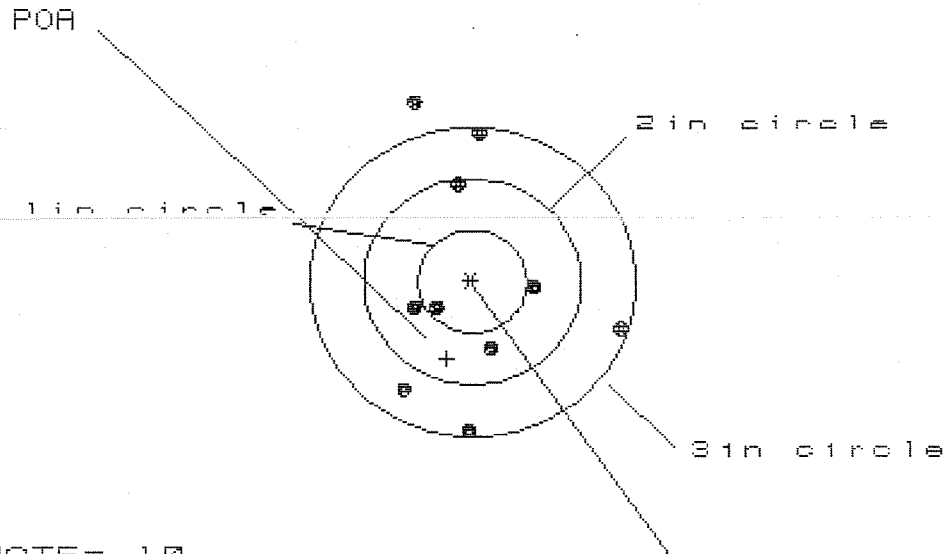
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	10	8
MAXIMUM X	.511	.511	.800
MINIMUM X	-1.029	-1.029	-.865
MAXIMUM Y	1.029	1.029	1.029
MINIMUM Y	-1.029	-1.029	-.835
CENTROID X	.257	.257	.347
CENTROID Y	.665	.665	.375
POA TO CENTROID in.	.696	.652	.511
MIN RADIUS	.454	.497	.325
MEAN RADIUS	.985	.908	.792
MAX RADIUS	1.429	1.516	1.344
HORIZONTAL SPREAD	2.039	1.664	1.664
VERTICAL SPREAD	2.531	2.531	1.864
EXTREME SPREAD	2.600	2.600	2.147
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	10	

22 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523422

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.932

VS= 3.120

GS= 3.169

CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.282
MINIMUM X	-.649
MAXIMUM Y	1.325
MINIMUM Y	-1.022
CENTROID X	.288
CENTROID Y	.357
POA TO CENTROID in.	.794 .632 .458
MIN RADIUS	.411 .386 .315
MEAN RADIUS	1.042 .929 .812
MAX RADIUS	1.793 1.624 1.344
HORIZONTAL SPREAD	1.932 1.932 1.932
VERTICAL SPREAD	3.120 2.848 2.347
EXTREME SPREAD	3.169 2.850 2.353
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 5
NUMBER IN THREE INCH CIRCLE	= 9

22 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523422

CENTERFIRE PATTERNS # 5

POA

1 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.409

VS= 2.416

GS= 2.857

CENTROID #

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE

NUMBER IN TWO INCH CIRCLE

NUMBER IN THREE INCH CIRCLE

5

10

8

.836

.893

.615

.694

.213

.536

.577

.352

.669

1.131

1.729

1.309

1.928

3

6

9

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523422

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 0027802 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/4/96	Lee
	G) Safety Off Force	4	4	4			5/4/96	Lee
	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	2.22	2.36	2.47	2.50	2.45	5/4/96	Lee
	C) Function							
660	Pack							

Remington[®] **DU PONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700[™] M24

SERIAL NO.
06520422

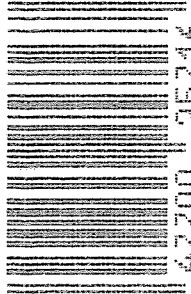
ORDER NO.
5716

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



5716 06520422

LPC



0 47700 25716

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523422

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	70 9	90	RW
600	Proof	70 9	90	RW
607	Check Headspace	70 9	90	RW
610	Dis-assemble Gun	70 9	90	RW
612	Magnaflux Barrel Action		10/17/90	KP
	Magnaflux Bolt		10/17/90	KP
615	Rollmark Caliber		10/17/90	LS
617	Drill and Tap Sight Holes		10/18/90	FB
618	Polish Barrel RB		10/19/90	WB
620	Apply Coatings (Barrel Action)		11-5-90	HA
	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		1-10-91	RY

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.0	4.0	4.25			1/8/91	RJ
	G) Safety Off Force	2.25	2.25	2.25			1/8/91	RJ
	H) Trigger Pull Test & Retainability						1-10-91	RJ
	I) Firing Pin Indent	.020	.020	.020			1/8/91	RJ
	J) Assemble Stock						1/11/91	RW
	K) Assemble Swivel Studs						1-14-91	RJ
	L) Attach Front and Rear Sight Assemblies						1/11/91	RW
	M) Iron Sight Alignment						1/11/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/11/91	RW
	O) Attach Scope to Rifle						1/11/91	RW
	P) Detach & Attach Scope 20 Times						1/11/91	RW
640	Gallery Target & Test						1-13-91	DH
	A) Time						1-13-91	DH
	B) Malfunctions						1-13-91	DH
	C) Pierced Primers						1-13-91	DH
	D) Optical Clarity of Scope						1-13-91	DH
645	Inspect for Live Ammo						1-13-91	DH
655	Final Inspection							
	A) Headspace						1-14-91	RJ
	B) Trigger Pull	2.35	2.38	2.42	2.42	2.42	1-14-91	RJ
	C) Function						1-14-91	
660	Pack						3-11-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523422

DATE 1-10-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.43	2.33	2.35	MIN. SETTING,
PULL #2	2.38	2.50	2.34	2.38	NO AVG. OF 5
PULL #3	2.43	2.46	2.40	2.42	READINGS ACCEPT-
PULL #4	2.44	2.36	2.37	2.42	ABLE LESS THAN 2#
PULL #5	2.47	2.29	2.35	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.43		
PULL #2	3.38	3.47		
PULL #3	3.22	3.46		
PULL #4	3.33	3.44		
PULL #5	3.38	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.37		4.32
PULL #2	4.27	4.40		4.28
PULL #3	4.28	4.41		4.33
PULL #4	4.21	4.29		4.23
PULL #5	4.20	4.14		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523422
14 Jan 1991

CENTROIDAL DISTANCES

Ø TO	1	.117175
1 TO	2	.295041
1 TO	3	.12093
1 TO	4	.1386
1 TO	5	.0873212

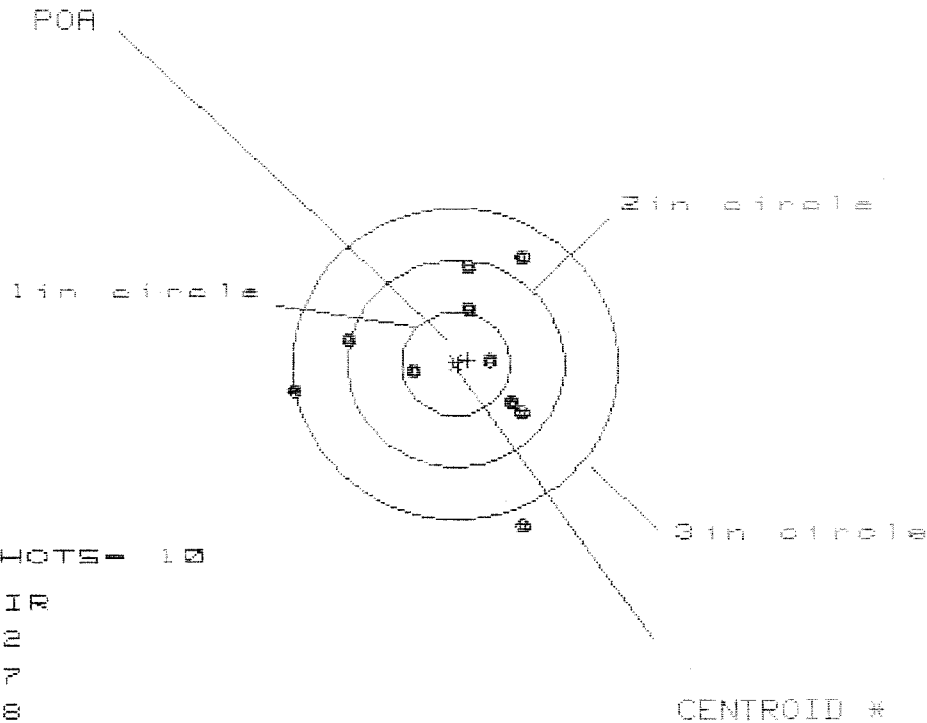
←----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.073
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.083
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .110535
THE AMR FOR THIS RIFLE IS: .9338

14 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523422

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.185

VS= 2.643

GS= 2.643

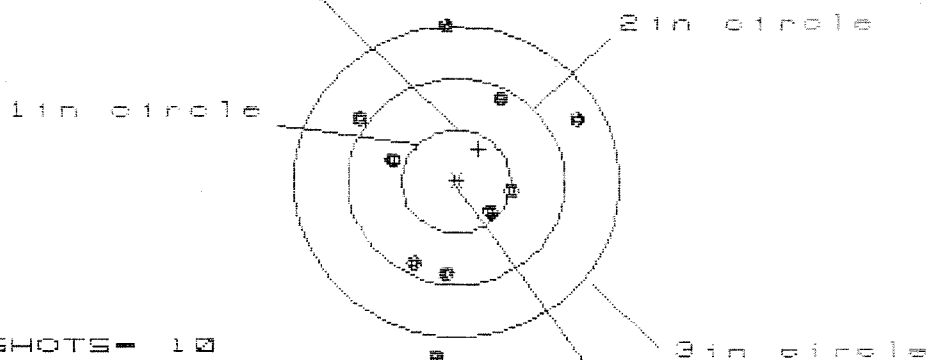
PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.652	.723	.540
MINIMUM X	:	-1.533	-1.462	-1.060
MAXIMUM Y	:	1.074	.900	.845
MINIMUM Y	:	-1.569	-.636	-.691
CENTROID X	:	-.113	-.184	-.001
CENTROID Y	:	-.031	.143	.198
POA TO CENTROID in.	:	.117	.233	.198
MIN RADIUS	:	.267	.378	.272
MEAN RADIUS	:	.898	.802	.683
MAX RADIUS	:	1.695	1.526	1.060
HORIZONTAL SPREAD	:	2.185	2.185	1.600
VERTICAL SPREAD	:	2.643	1.536	1.536
EXTREME SPREAD	:	2.643	2.562	1.820
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6523422

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 1.972

VS= 3.268

GS= 3.271

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	1.054	1.041
MINIMUM X	:	-.895	-.918	-.931
MAXIMUM Y	:	1.532	1.339	.774
MINIMUM Y	:	-1.736	-1.037	-.869
CENTROID X	:	-.206	-.182	-.169
CENTROID Y	:	-.311	-.118	-.286
POA TO CENTROID in.	:	.373	.217	.332
MIN RADIUS	:	.423	.559	.420
MEAN RADIUS	:	.987	.901	.822
MAX RADIUS	:	1.749	1.343	1.184
HORIZONTAL SPREAD	:	1.972	1.972	1.972
VERTICAL SPREAD	:	3.268	2.376	1.643
EXTREME SPREAD	:	3.271	2.377	2.049
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

14 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8523422

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.463

VS= 1.901

GS= 2.527

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.357	1.256	.873
MINIMUM X	:	-1.106	-1.207	-1.050
MAXIMUM Y	:	.802	.685	.680
MINIMUM Y	:	-1.099	-1.216	-1.221
CENTROID X	:	-.013	.008	-.069
CENTROID Y	:	-.099	.018	.023
POA TO CENTROID in.	:	.100	.089	.073
MIN RADIUS	:	.162	.311	.217
MEAN RADIUS	:	.909	.840	.786
MAX RADIUS	:	1.386	1.317	1.282
HORIZONTAL SPREAD	:	2.463	2.463	1.922
VERTICAL SPREAD	:	1.901	1.901	1.901
EXTREME SPREAD	:	2.527	2.527	2.261
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

14 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06523422

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS = 2.377

VS = 2.355

GS = 2.443

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.798
MINIMUM X	-1.579
MAXIMUM Y	1.310
MINIMUM Y	-1.045
CENTROID X	.024
CENTROID Y	-.010
POA TO CENTROID in.	.026
MIN RADIUS	.197
MEAN RADIUS	.900
MAX RADIUS	1.601
HORIZONTAL SPREAD	2.377
VERTICAL SPREAD	2.355
EXTREME SPREAD	2.443
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8

14 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06523422

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.305

VS = 2.645

GS = 2.763

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.932	.954	.808
MINIMUM X	:	-1.373	-1.351	-1.497
MAXIMUM Y	:	1.623	.683	.610
MINIMUM Y	:	-1.022	-.842	-.915
CENTROID X	:	-.057	-.079	.067
CENTROID Y	:	.036	-.144	-.071
POA TO CENTROID in.	:	.067	.164	.097
MIN RADIUS	:	.345	.501	.372
MEAN RADIUS	:	.975	.911	.825
MAX RADIUS	:	1.635	1.363	1.501
HORIZONTAL SPREAD	:	2.305	2.305	2.305
VERTICAL SPREAD	:	2.645	1.525	1.525
EXTREME SPREAD	:	2.763	2.411	2.411
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	