

06594487

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith

Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

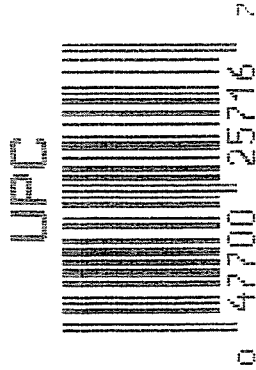
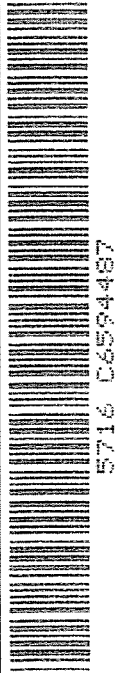
MODEL 700™ M24

SERIAL NO.
C6594487

ORDER NO.
5716

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

20



RECEIVING AND ESTIMATING REPORT

BARBER - M24-0017950

COMMENTS

ORDER
R 94-18171

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

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

90-0056

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE SERIAL NUMBER C6594487 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 C.O.D.L

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

Trigger Assy 173.71
+ Firing Pin Assy 9.96
Scope Rep 119.43
Clean/Insp/Prep 8.06
353.16

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 0017950

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

SERIAL NO. C6594487
DATE 9-19-95
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.64	2.73	2.54		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.73	2.59		
PULL #3	2.68	2.67	2.62		
PULL #4	2.70	2.65	2.46		
PULL #5	2.58	2.69	2.48		
TOTAL	13.21	13.47	12.89		
AVG.	2.64	2.69	2.57		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.32		
PULL #2	3.16	3.32		
PULL #3	3.29	3.31		
PULL #4	3.25	3.34		
PULL #5	3.30	3.36		
TOTAL	16.17	16.65		
AVG.	3.23	3.33		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	4.00	4.15	
PULL #2	4.03	3.95	4.19	
PULL #3	4.00	4.03	4.20	
PULL #4	4.05	4.00	4.13	
PULL #5	4.00	4.01	4.14	
TOTAL	20.12	19.99	20.81	
AVG.	4.02	3.99	4.16	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594487

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 0017953

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6 1/2			12/6	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			12/6	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.024	.023	.023			12/6	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	2.55	2.54	2.51	2.36	2.33	12/6	WB
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594487

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		1-7-91	KR
615	Rollmark Caliber		1-7-91	YB
617	Drill and Tap Sight Holes	1	10 91	LB
618	Polish Barrel	1	10 91	LB
620	Apply Coatings (Barrel Action)		1-12-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-23-91	RM

op. #	BARBER - M24 0017955 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			1/23/91	W/B
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			1/23/91	W/B
	H) Trigger Pull Test & Retainability						1-23-91	JL
	I) Firing Pin Indent	.021	.020	.0205			1/23/91	W/B
	J) Assemble Stock						1/24/91	RW
	K) Assemble Swivel Studs						2-4-91	A
	L) Attach Front and Rear Sight Assemblies						1/24/91	RW
	M) Iron Sight Alignment						1/24/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/24/91	RW
	O) Attach Scope to Rifle						1/24/91	RW
	P) Detach & Attach Scope 20 Times						1/24/91	RW
640	Gallery Target & Test						1-25-91	A
	A) Time						11	A
	B) Malfunctions						11	A
	C) Pierced Primers						11	AC
	D) Optical Clarity of Scope						11	AC
645	Inspect for Live Ammo						1-25-91	AC
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.48	2.38	2.36	2.43	2.45	2-1-91	JL
	C) Function						2-4-91	AC
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO 66594487DATE 1-23-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.25	2.16	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.18	2.18	2.38	
PULL #3	2.47	2.31	2.30	2.36	
PULL #4	2.50	2.29	2.26	2.43	
PULL #5	2.22	2.20	2.22	2.45	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.29		
PULL #2	3.36	3.17		
PULL #3	3.30	3.23		
PULL #4	3.11	3.15		
PULL #5	3.27	3.19		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.39		4.17
PULL #2	4.12	4.50		4.22
PULL #3	4.13	4.49		4.25
PULL #4	4.42	4.47		4.25
PULL #5	4.46	4.50		4.30
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594487
25 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.312578
1 TO	2	.497226
1 TO	3	.226491
1 TO	4	.344703
1 TO	5	.159765

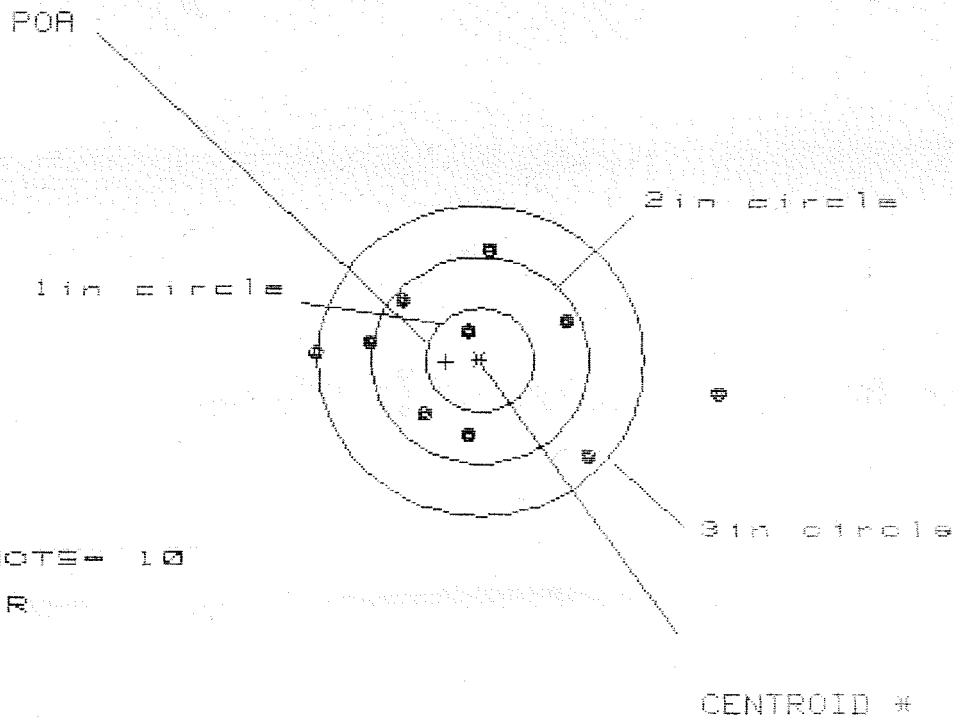
$\frac{15^3}{2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0838
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .288633
THE GMP FOR THIS RIFLE IS: 1.009

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C85944B7

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 3.775

VS = 1.916

GS = 3.806

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.232	1.192	1.030
MINIMUM X	-1.543	-1.295	-.950
MAXIMUM Y	1.031	.990	1.000
MINIMUM Y	-.885	-.926	-.916
CENTROID X	.312	.064	.226
CENTROID Y	.019	.060	.051
POA TO CENTROID in.	.313	.088	.231
MIN RADIUS	.279	.246	.222
MEAN RADIUS	1.086	.915	.868
MAX RADIUS	2.262	1.509	1.379
HORIZONTAL SPREAD	3.775	2.487	1.980
VERTICAL SPREAD	1.916	1.916	1.916
EXTREME SPREAD	3.806	2.681	2.250
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594487

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.860

VS= 3.239

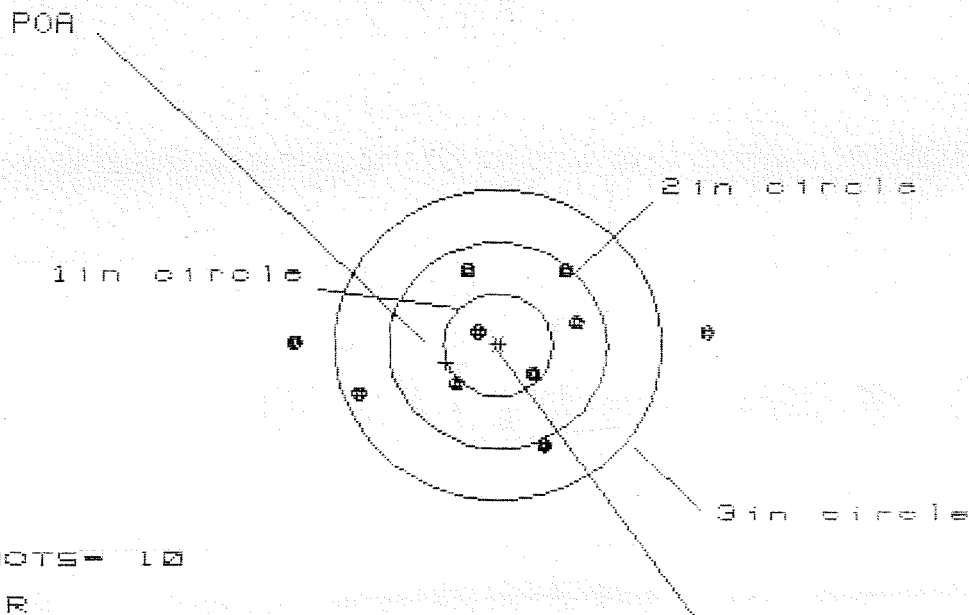
GS= 3.339

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.845	.789	.905
MINIMUM X	:	-1.015	-.921	-.905
MAXIMUM Y	:	1.510	1.318	.610
MINIMUM Y	:	-1.729	-1.062	-.898
CENTROID X	:	.165	.071	.055
CENTROID Y	:	-.456	-.264	-.428
POA TO CENTROID in.	:	.485	.273	.432
MIN RADIUS	:	.554	.453	.448
MEAN RADIUS	:	.955	.811	.747
MAX RADIUS	:	1.925	1.324	1.122
HORIZONTAL SPREAD	:	1.860	1.710	1.710
VERTICAL SPREAD	:	3.239	2.380	1.508
EXTREME SPREAD	:	3.339	2.438	2.083
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/085944B7

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 3.784

VS = 1.724

GS = 3.784

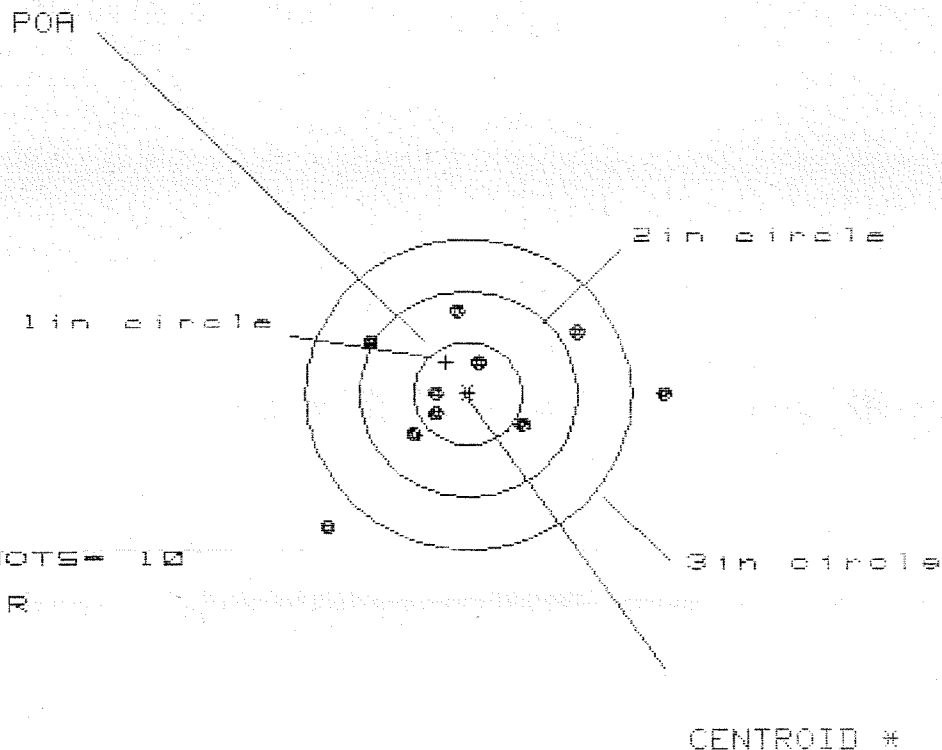
CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.944	.976	.774
MINIMUM X	-1.840	-1.624	-1.250
MAXIMUM Y	.761	.770	.774
MINIMUM Y	-.964	-.954	-.950
CENTROID X	.479	.263	.466
CENTROID Y	.172	.162	.158
POA TO CENTROID in.	.508	.309	.492
MIN RADIUS	.282	.177	.280
MEAN RADIUS	.994	.880	.770
MAX RADIUS	1.946	1.624	1.339
HORIZONTAL SPREAD	3.784	2.600	2.023
VERTICAL SPREAD	1.724	1.724	1.724
EXTREME SPREAD	3.784	2.610	2.225
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594407

CENTERFIRE PATTERNS # 4



PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.844
MINIMUM X	-1.314
MAXIMUM Y	.850
MINIMUM Y	-1.315
CENTROID X	.200
CENTROID Y	-.387
POA TO CENTROID in.	.367
MIN RADIUS	.251
MEAN RADIUS	.889
MAX RADIUS	1.859
HORIZONTAL SPREAD	3.158
VERTICAL SPREAD	2.165
EXTREME SPREAD	3.408
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8594487

CENTERFIRE PATTERNS # 5

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.869

VS = 2.677

GS = 3.325

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.252	1.217	1.032
MINIMUM X	:	-1.617	-1.478	-.976
MAXIMUM Y	:	1.599	.745	.779
MINIMUM Y	:	-1.078	-.900	-.866
CENTROID X	:	.225	.085	.270
CENTROID Y	:	.153	-.025	-.059
POA TO CENTROID in.	:	.272	.089	.277
MIN RADIUS	:	.665	.446	.592
MEAN RADIUS	:	1.122	1.002	.931
MAX RADIUS	:	2.031	1.504	1.160
HORIZONTAL SPREAD	:	2.869	2.695	2.008
VERTICAL SPREAD	:	2.677	1.645	1.645
EXTREME SPREAD	:	3.325	2.752	2.149
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594487
25 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.312578
1 TO	2	.497226
1 TO	3	.226491
1 TO	4	.344703
1 TO	5	.159765

+53
2 <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0838
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .288633

THE AMR FOR THIS RIFLE IS: 1.009

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594487
25 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.312578
1 TO	2	.497226
1 TO	3	.228491
1 TO	4	.344703
1 TO	5	.159765

+5³ (----POA
+4
2

COORDINATE FOR THIS RIFLE IS: .2762
COORDINATE FOR THIS RIFLE IS: -.0008
RIFLE POI RADIUS FOR THIS RIFLE IS: .2396
RIFLE POI RADIUS IS: 1.009

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06534487

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 1.860

VS= 3.239

GS= 3.339

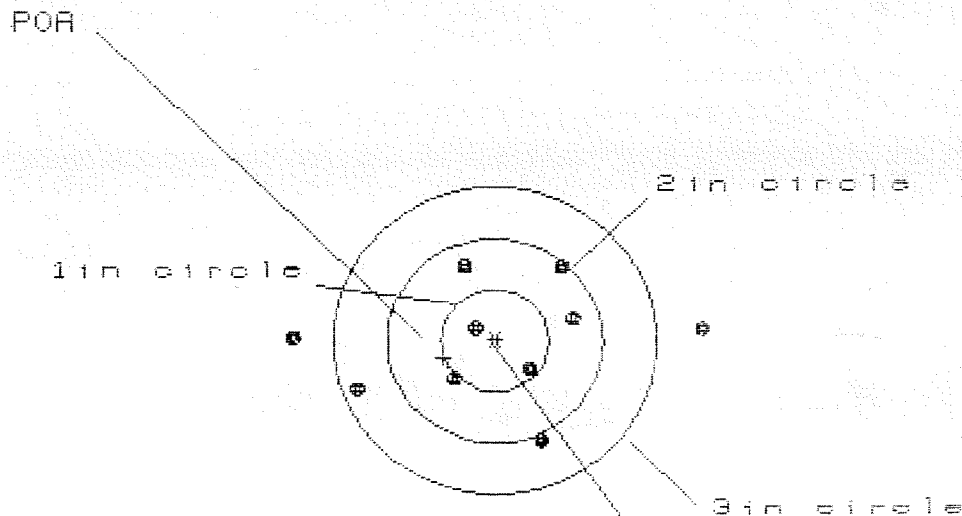
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.845	.789	.805
MINIMUM X	-1.015	-.921	-.985
MAXIMUM Y	1.510	1.318	.610
MINIMUM Y	-1.729	-1.062	-.898
CENTROID X	.165	.071	.055
CENTROID Y	-.456	-.264	-.428
POA TO CENTROID in.	.485	.273	.432
MIN RADIUS	.554	.453	.448
MEAN RADIUS	.955	.811	.747
MAX RADIUS	1.925	1.324	1.122
HORIZONTAL SPREAD	1.860	1.710	1.710
VERTICAL SPREAD	3.239	2.380	1.508
EXTREME SPREAD	3.339	2.438	2.083
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594487

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 3.784

VS= 1.724

GS= 3.784

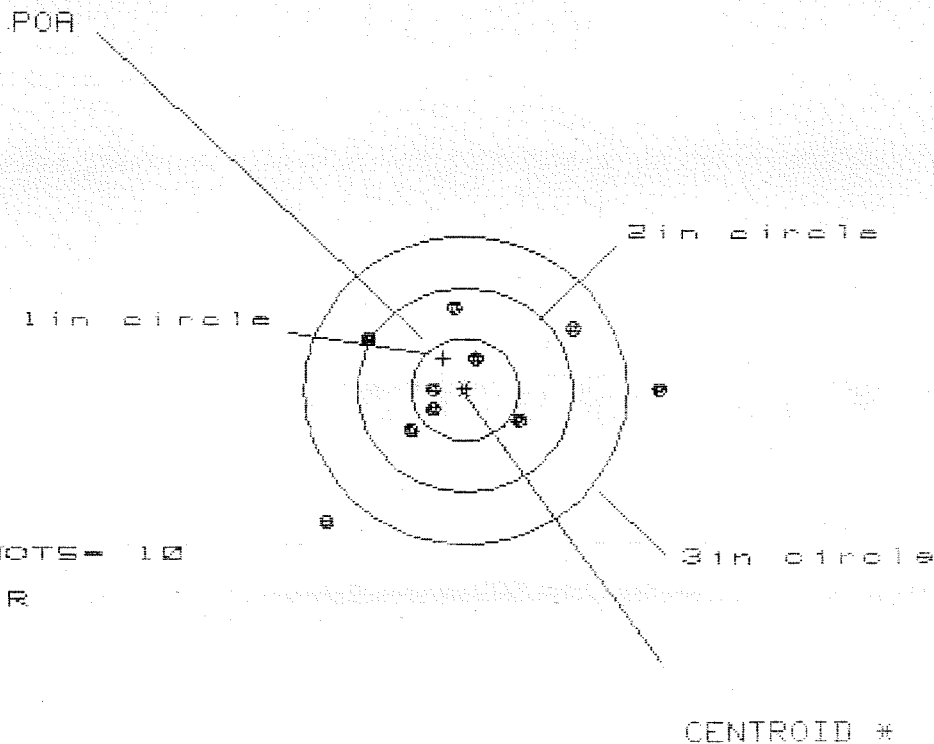
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.944	.976	.774
MINIMUM X	:	-1.840	-1.624	-1.250
MAXIMUM Y	:	.761	.770	.774
MINIMUM Y	:	-.964	-.954	-.950
CENTROID X	:	.479	.263	.466
CENTROID Y	:	.172	.162	.158
POA TO CENTROID in.	:	.508	.309	.492
MIN RADIUS	:	.282	.177	.280
MEAN RADIUS	:	.994	.880	.770
MAX RADIUS	:	1.946	1.624	1.339
HORIZONTAL SPREAD	:	3.784	2.600	2.023
VERTICAL SPREAD	:	1.724	1.724	1.724
EXTREME SPREAD	:	3.784	2.610	2.225
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534487

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.158

VS = 2.165

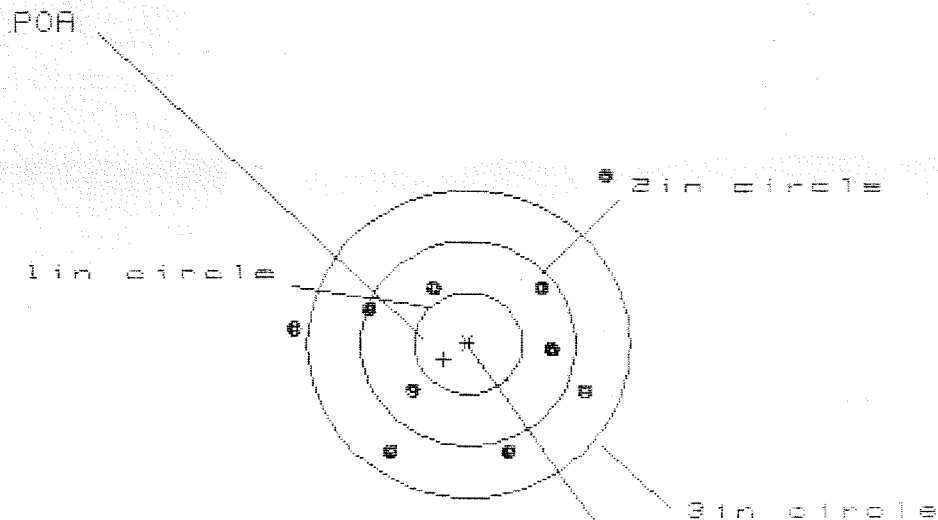
GS = 3.408

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.844	1.698	1.040
MINIMUM X	-1.314	-1.006	-.794
MAXIMUM Y	.850	.704	.681
MINIMUM Y	-1.315	-.576	-.599
CENTROID X	.200	.346	.134
CENTROID Y	-.307	-.161	-.139
PORA TO CENTROID in.	.367	.382	.193
MIN RADIUS	.251	.181	.191
MEAN RADIUS	.889	.790	.631
MAX RADIUS	1.859	1.707	1.139
HORIZONTAL SPREAD	3.158	2.704	1.834
VERTICAL SPREAD	2.165	1.280	1.280
EXTREME SPREAD	3.408	2.760	1.837
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

25 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594487

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.869

VS = 2.677

GS = 3.325

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.252
MINIMUM X	-1.617
MAXIMUM Y	1.599
MINIMUM Y	-1.078
CENTROID X	.225
CENTROID Y	.153
POA TO CENTROID in.	.272
MIN RADIUS	.665
MEAN RADIUS	1.122
MAX RADIUS	2.031
HORIZONTAL SPREAD	2.869
VERTICAL SPREAD	2.677
EXTREME SPREAD	3.325
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8