

C6349035

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.






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

MODEL 700™ M24

SERIAL NO.
C6349035

ORDER NO.
5716

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

Ø1

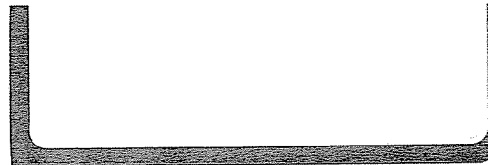
UPC



0 47700 25716 7



5716 C6349035



RC-15
Replaced

M-24

358

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349035

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	RW
600	Proof		12-20 89	L
607	Check Headspace		12-20 89	L
610	Dis-assemble Gun		12-20 89	RW
612	Magnaflux Barrel Action		1-5-90	KER
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/3/90	JS
617	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-15-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/16/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/16/90	WB
	C) Inspect Ejector Hole for Chamfer		1/16/90	WB
	D) Oil Firing Pin Ass'y		1/16/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		2/6/90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-26-90	gfl
	G) Safety Off Force	2	2	2			1-26-90	gfl
	H) Trigger Pull Test & Retainability						2/6/90	JS
	I) Firing Pin Indent	.023	.022	.0225			1-26-90	gfl
	J) Assemble Stock						1-31-90	A
	K) Assemble Swivel Studs						2/3/90	WB
	L) Attach Front and Rear Sight Assemblies						1-31-90	A
	M) Iron Sight Alignment						1-31-90	A
	N) Detach Front & Rear Sights & place in numbered container						1-31-90	AC
	O) Attach Scope to Rifle						2-23-90	gfl
	P) Detach & Attach Scope 20 Times						2-23-90	gfl
640	Gallery Target & Test						2/27/90	DH
	A) Time						2/27/90	DH
	B) Malfunctions						2/27/90	DH
	C) Pierced Primers						2/27/90	DH
	D) Optical Clarity of Scope						2/27/90	DH
645	Inspect for Live Ammo						2/27/90	DH
655	Final Inspection						2/28/90	WB
	A) Headspace						2/28/90	WB
	B) Trigger Pull	2.57	2.59	2.60	2.69	2.69	2/27/90	WB
	C) Function						2/28/90	WB
660	Pack						20 Mar 90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349035
DATE 26 June 90
TESTER 192

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.82	2.13	2.36	2.57	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.10	2.53	2.59	
PULL #3	2.41	2.16	2.55	2.60	
PULL #4	2.47	2.21	2.41	2.69	
PULL #5	2.58	2.26	2.33	2.69	
TOTAL	12.75	10.86	12.28		
AVG.	2.55	2.172	2.456		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.03	2.87		
PULL #2	3.17	2.90		
PULL #3	3.17	2.95		
PULL #4	3.06	3.08		
PULL #5	3.11	3.02		
TOTAL	15.54	14.82		
AVG.	3.108	2.964		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	3.88	4.06		4.26
PULL #2	3.73	4.17		4.34
PULL #3	4.15	4.24		4.38
PULL #4	4.07	4.08		4.47
PULL #5	4.04	4.18		4.50
TOTAL	19.87	20.73		21.90
AVG.	3.974	4.146		4.38

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349035
.27 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.478707
1 TO	2	.448844
1 TO	3	.312523
1 TO	4	.603682
1 TO	5	.331441

$\frac{L}{H}$ <----POA

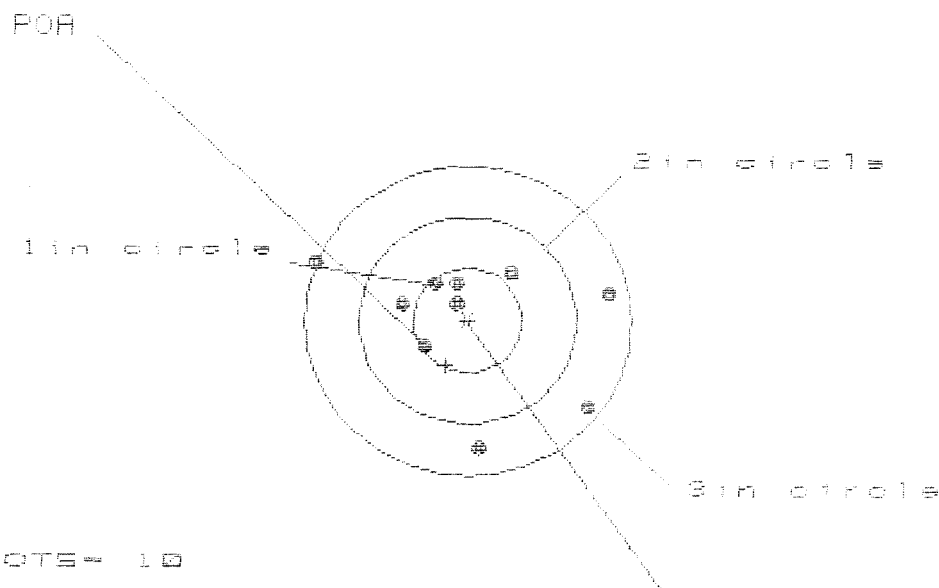
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3188
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1482
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .349751
THE AMR FOR THIS RIFLE IS: .9182

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/Q8349035

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS= 2.782

VS= 1.811

GS= 2.886

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.331	1.176	1.287
MINIMUM X	-1.451	-.715	-.598
MAXIMUM Y	.547	.484	.391
MINIMUM Y	-1.264	-1.203	-1.296
CENTROID X	.202	.363	.246
CENTROID Y	.434	.373	.466
POA TO CENTROID in.	.478	.521	.527
MIN RADIUS	.160	.311	.161
MEAN RADIUS	.814	.768	.653
MAX RADIUS	1.551	1.286	1.301
HORIZONTAL SPREAD	2.782	1.885	1.885
VERTICAL SPREAD	1.811	1.687	1.687
EXTREME SPREAD	2.886	1.947	1.947
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/Q6345835

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 2.072

VS= 1.776

GS= 2.126

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.807	.667	.728
MINIMUM X	:	-1.265	-.572	-.511
MAXIMUM Y	:	1.016	1.044	1.174
MINIMUM Y	:	-.760	-.732	-.602
CENTROID X	:	.417	.557	.496
CENTROID Y	:	.040	.012	-.118
POA TO CENTROID in.	:	.419	.557	.510
MIN RADIUS	:	.437	.523	.460
MEAN RADIUS	:	.803	.742	.661
MAX RADIUS	:	1.289	1.146	1.174
HORIZONTAL SPREAD	:	2.072	1.239	1.239
VERTICAL SPREAD	:	1.776	1.776	1.776
EXTREME SPREAD	:	2.126	1.882	1.776
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/Q8349035

CENTERFIRE PATTERNS

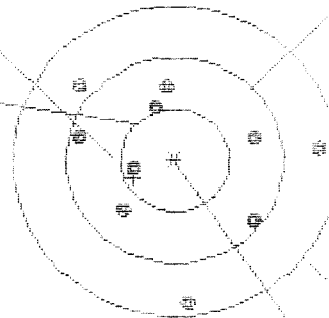
3

POR

1 in circle

2 in circle

3 in circle



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 2.185

VS = 2.185

GS = 2.388

CENTROID *

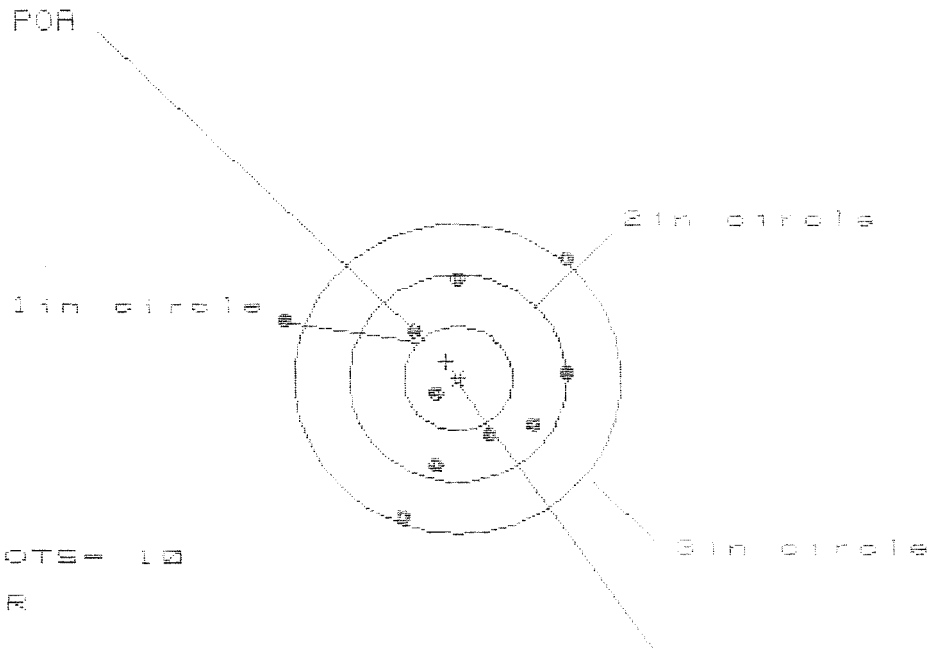
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.382	1.321	.888
MINIMUM X	:	-.883	-.864	-.699
MAXIMUM Y	:	.770	.616	.606
MINIMUM Y	:	-1.395	-.712	-.722
CENTROID X	:	.380	.361	.196
CENTROID Y	:	.177	.331	.341
POR TO CENTROID in.	:	.419	.490	.394
MIN RADIUS	:	.368	.369	.296
MEAN RADIUS	:	.856	.786	.696
MAX RADIUS	:	1.484	1.323	1.119
HORIZONTAL SPREAD	:	2.185	2.185	1.587
VERTICAL SPREAD	:	2.165	1.328	1.328
EXTREME SPREAD	:	2.388	2.253	2.012
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

27 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/Q8345035

CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 8

HS = 2.522

VS = 2.443

GS = 2.850

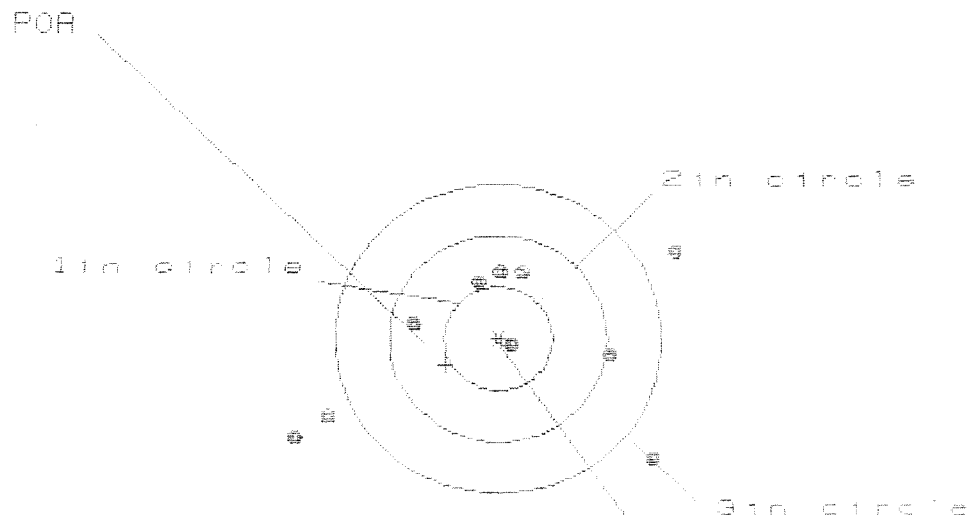
CENTROID #

PATTERN #	:	4
SHOTS (BEST OF)	:	10
MAXIMUM X	:	.980
MINIMUM X	:	-1.643
MAXIMUM Y	:	1.132
MINIMUM Y	:	-1.311
CENTROID X	:	.196
CENTROID Y	:	-.162
POA TO CENTROID in.	:	.194
MIN RADIUS	:	.265
MEAN RADIUS	:	.963
MAX RADIUS	:	1.740
HORIZONTAL SPREAD	:	2.623
VERTICAL SPREAD	:	2.443
EXTREME SPREAD	:	2.850
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	7
NUMBER IN THREE INCH CIRCLE =	:	9

27 Feb 1998

FILE: /PATTERNING/CENTERFIRE_PATT/08349035

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.451

VS= 2.002

GS= 3.888

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.578	1.376	1.517
MINIMUM X	-1.873	-1.817	-1.670
MAXIMUM Y	.841	.740	.582
MINIMUM Y	-1.161	-1.262	-1.041
CENTROID X	.479	.687	.540
CENTROID Y	.252	.353	.511
POA TO CENTROID in.	.541	.772	.743
MIN RADIUS	.115	.143	.271
MEAN RADIUS	1.145	1.012	.882
MAX RADIUS	2.081	2.020	1.968
HORIZONTAL SPREAD	3.451	3.187	3.197
VERTICAL SPREAD	2.002	2.002	1.623
EXTREME SPREAD	3.888	3.576	3.576
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE	6		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18186INITIAL
FDC CUSTOMER ORDER NO.
DAAA09-92-C-0834W/10X SCOPE, M-24 SNIPER
ATTN: FRED MARTIN

Scope # 90-1617

DATE RECEIVED
06/10/94 DATE OPENED
06/10/94 DATE CODESERIAL NUMBER
C6349035

NEW SERIAL NUMBER

MODEL AND GRADE

700 7-62

NATO

ACCESSORIES 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
ANNISTONAL
36201-5025

CUST NO: 098397 CJO.DL

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

✓ Barre 1 643.46
Trigger Assy 173.31
✓ Bolt ~~Assy~~ Stop 1.10
CTI 50.00
\$867.83

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

M2400106338

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349035
DATE 11-8-95
TESTER 10A

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.72	2.45	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.75	2.54	2.57	
PULL #3	2.58	2.62	2.54	
PULL #4	2.69	2.63	2.57	
PULL #5	2.62	2.57	2.37	
TOTAL	13.36	12.81	12.71	
AVG.	2.67	2.56	2.54	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.13	3.07	
PULL #2	3.13	3.10	
PULL #3	3.00	3.00	
PULL #4	3.01	3.00	
PULL #5	3.00	3.03	
TOTAL	15.27	15.20	
AVG.	3.05	3.04	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.00		4.08
PULL #2	4.17	4.00		4.00
PULL #3	4.06	3.88		4.00
PULL #4	4.04	4.00		4.00
PULL #5	4.15	4.07		4.02
TOTAL	20.56	19.95		20.10
AVG.	4.11	3.99		4.02

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6349035

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. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/4	6 1/4	6 1/4			1/24/96	WB
	G) Safety Off Force	3	3	3			1/24/96	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						1/22/96	WB
	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	2.47	2.43	2.44	2.40	2.39	1/24/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349035
1 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	1.23641
1 TO	2	.112361
1 TO	3	.170857
1 TO	4	.403347
1 TO	5	.128082

48

+ <----FOR

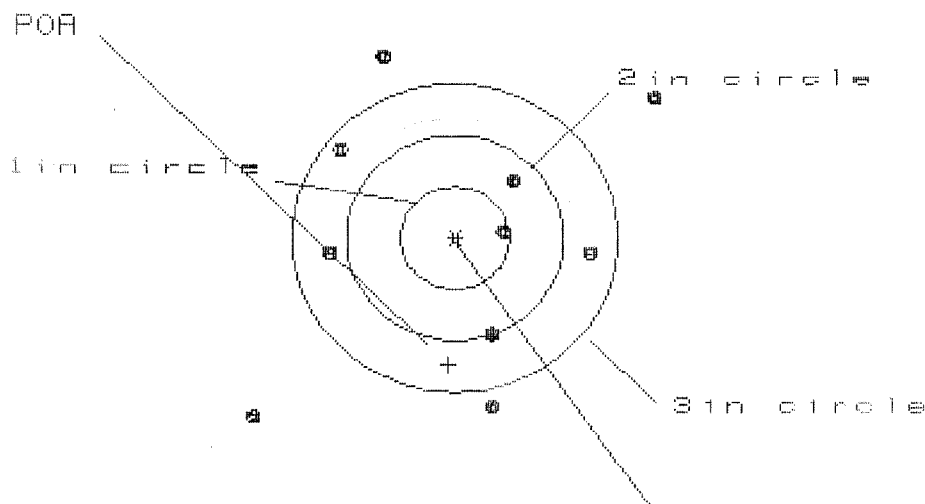
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.2852
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.2868

THE AMR FOR THIS RIFLE IS: 1.063

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349035

CENTERFIRE PATTERNS # 1



* OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 6

HS= 3.768

VS= 3.437

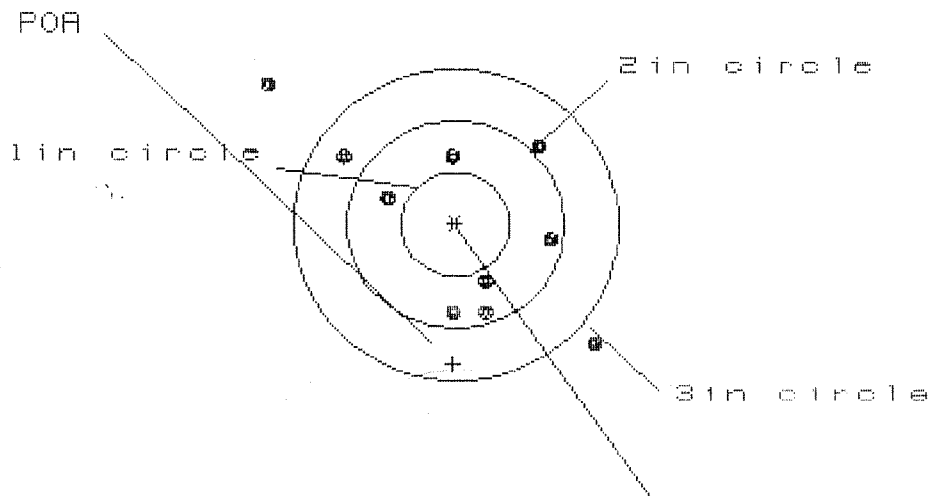
GS= 4.829

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.863	1.651	1.284
MINIMUM X	:	-1.905	-1.383	-1.177
MAXIMUM Y	:	1.744	1.556	1.698
MINIMUM Y	:	-1.693	-1.787	-1.645
CENTROID X	:	.059	.270	.064
CENTROID Y	:	1.235	1.423	1.281
POA TO CENTROID in.	:	1.237	1.449	1.283
MIN RADIUS	:	.438	.283	.433
MEAN RADIUS	:	1.431	1.267	1.183
MAX RADIUS	:	2.549	2.005	1.815
HORIZONTAL SPREAD	:	3.768	3.034	2.461
VERTICAL SPREAD	:	3.437	3.343	3.343
EXTREME SPREAD	:	4.829	3.470	3.470
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349035

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

CENTROID #

IN CIR

1in - 0

2in - 6

3in - 8

HS- 3.066

VS- 2.472

GS- 3.938

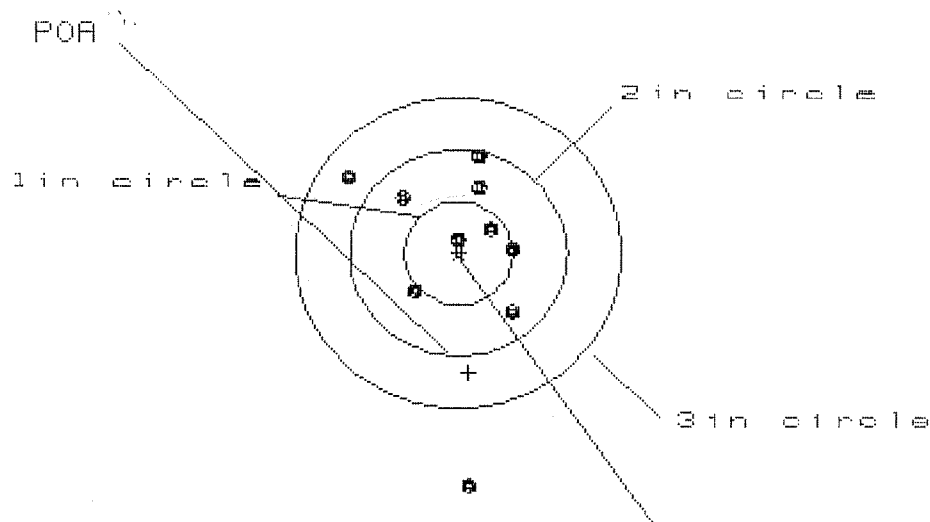
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.314	1.119	.769
MINIMUM X	:	-1.752	-1.197	-1.057
MAXIMUM Y	:	1.333	.861	.737
MINIMUM Y	:	-1.139	-.991	-.856
CENTROID X	:	.028	.223	.083
CENTROID Y	:	1.343	1.195	1.319
POA TO CENTROID in.	:	1.344	1.216	1.322
MIN RADIUS	:	.658	.454	.613
MEAN RADIUS	:	1.084	.924	.858
MAX RADIUS	:	2.201	1.495	1.264
HORIZONTAL SPREAD	:	3.066	2.316	1.826
VERTICAL SPREAD	:	2.472	1.852	1.593
EXTREME SPREAD	:	3.938	2.938	2.019

NUMBER IN ONE INCH CIRCLE = 0
 NUMBER IN TWO INCH CIRCLE = 6
 NUMBER IN THREE INCH CIRCLE = 8

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6349835

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 1.497

VS= 3.150

GS= 3.215

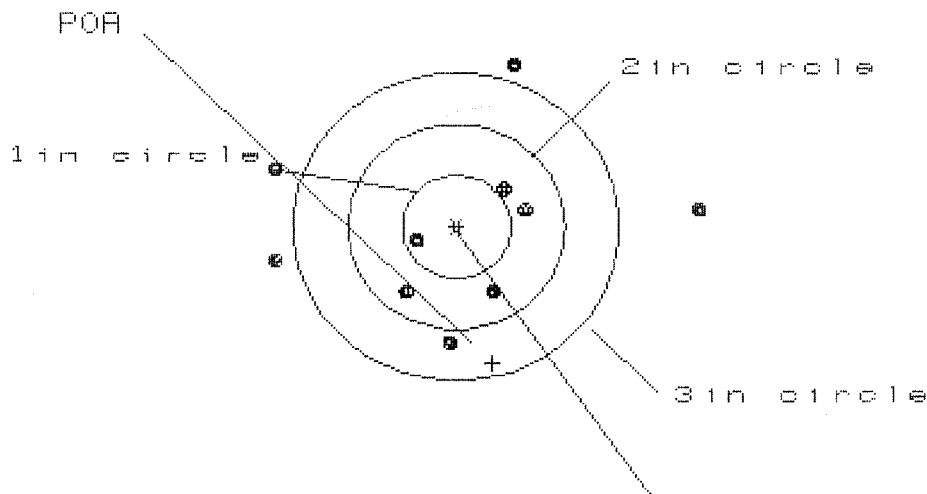
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.490	.501	.377
MINIMUM X	:	-1.007	-.996	-.603
MAXIMUM Y	:	.893	.642	.705
MINIMUM Y	:	-2.257	-.827	-.764
CENTROID X	:	-.095	-.106	.010
CENTROID Y	:	1.161	1.412	1.349
POA TO CENTROID in.	:	1.165	1.416	1.349
MIN RADIUS	:	.111	.141	.133
MEAN RADIUS	:	.810	.612	.526
MAX RADIUS	:	2.260	1.118	.842
HORIZONTAL SPREAD	:	1.497	1.497	.980
VERTICAL SPREAD	:	3.150	1.469	1.469
EXTREME SPREAD	:	3.215	1.989	1.488
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6349035

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.969

VS= 2.638

GS= 3.996

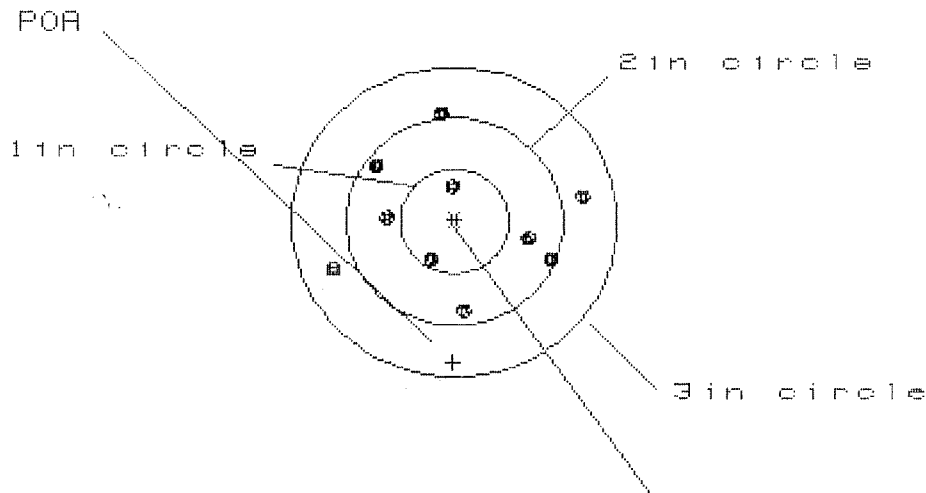
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.260	.893	.714
MINIMUM X	-1.709	-1.458	-1.637
MAXIMUM Y	1.541	1.560	1.631
MINIMUM Y	-1.097	-1.078	-1.007
CENTROID X	-.333	-.584	-.405
CENTROID Y	1.330	1.311	1.240
POA TO CENTROID in.	1.371	1.436	1.304
MIN RADIUS	.342	.105	.259
MEAN RADIUS	1.159	1.022	.932
MAX RADIUS	2.267	1.740	1.735
HORIZONTAL SPREAD	3.969	2.351	2.351
VERTICAL SPREAD	2.638	2.638	2.638
EXTREME SPREAD	3.996	2.888	2.888
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	6		

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349035

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.345

VS= 1.932

GS= 2.429

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.184	1.055	.860
MINIMUM X	:	-1.161	-.876	-.744
MAXIMUM Y	:	1.071	1.026	1.048
MINIMUM Y	:	-.860	-.906	-.884
CENTROID X	:	.020	.149	.017
CENTROID Y	:	1.357	1.403	1.381
POA TO CENTROID in.	:	1.358	1.411	1.381
MIN RADIUS	:	.345	.346	.322
MEAN RADIUS	:	.832	.788	.735
MAX RADIUS	:	1.231	1.070	1.057
HORIZONTAL SPREAD	:	2.345	1.931	1.604
VERTICAL SPREAD	:	1.932	1.932	1.932
EXTREME SPREAD	:	2.429	1.958	1.950
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	