

C6225123

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington.

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6225123

ORDER NO.
5716

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

Ø1



5716 C6225123

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225123

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	LS
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT.
620	Apply Coatings (Barrel Action)		3-31-89	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/5/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/5/89	RW
	C) Inspect Ejector Hole for Chamfer		4/5/89	RW
	D) Oil Firing Pin Ass'y		4/5/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-6-89	gcl.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4-7-89	JU
	G) Safety Off Force	3	3	3			4-7-89	JU
	H) Trigger Pull Test & Retainability						4-6-89	B.S
	I) Firing Pin Indent	.020	.021	.021			4-7-89	JU
	J) Assemble Stock						4/7/89	RW
	K) Assemble Swivel Studs						12 April 89	JD
	L) Attach Front and Rear Sight Assemblies						4/7/89	RW
	M) Iron Sight Alignment						4/7/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/7/89	RW
	O) Attach Scope to Rifle						4/7/89	JU
	P) Detach & Attach Scope 20 Times						4/10/89	JU
640	Gallery Target & Test	55R	97L				4/10/89	AC
	A) Time						4/10/89	AC
	B) Malfunctions				NONE		4/10/89	AC
	C) Pierced Primers				NONE		4/10/89	AC
	D) Optical Clarity of Scope				OK		4/10/89	AC
645	Inspect for Live Ammo				NONE		4/10/89	AC
655	Final Inspection							
	A) Headspace						12 April 89	JD
	B) Trigger Pull	2.25	2.37	2.52	2.54	2.57	12 April 89	JD
	C) Function						12 April 89	JD
660	Pack						26 June 89	JD

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225123DATE 3-28-90TESTER J.P.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.47		2.3 2.49	MIN. SETTING,
PULL #2	2.42	2.47		2.43	NO AVG. OF 5
PULL #3	2.52	2.50		2.45	READINGS ACCEPT-
PULL #4	2.44	2.43		2.46	ABLE LESS THAN 2#
PULL #5	2.54	2.44		2.47	
TOTAL	12.46	12.31		12.30	
AVG.	2.492	2.462		2.46	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.32		
PULL #2	3.42	3.35		
PULL #3	3.40	3.39		
PULL #4	3.35	3.38		
PULL #5	3.31	3.42		
TOTAL	16.93	16.86		
AVG.	3.386	3.372		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.26		
PULL #2	4.22	4.28		
PULL #3	4.33	4.30		
PULL #4	4.24	4.27		
PULL #5	4.32	4.21		
TOTAL	21.53	21.32		
AVG.	4.306	4.264		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225123
12 Apr 1989

CENTROIDAL DISTANCES

0 TO 1	.130419
1 TO 2	.397146
1 TO 3	.226736
1 TO 4	.183199
1 TO 5	.156924

442 <----POA

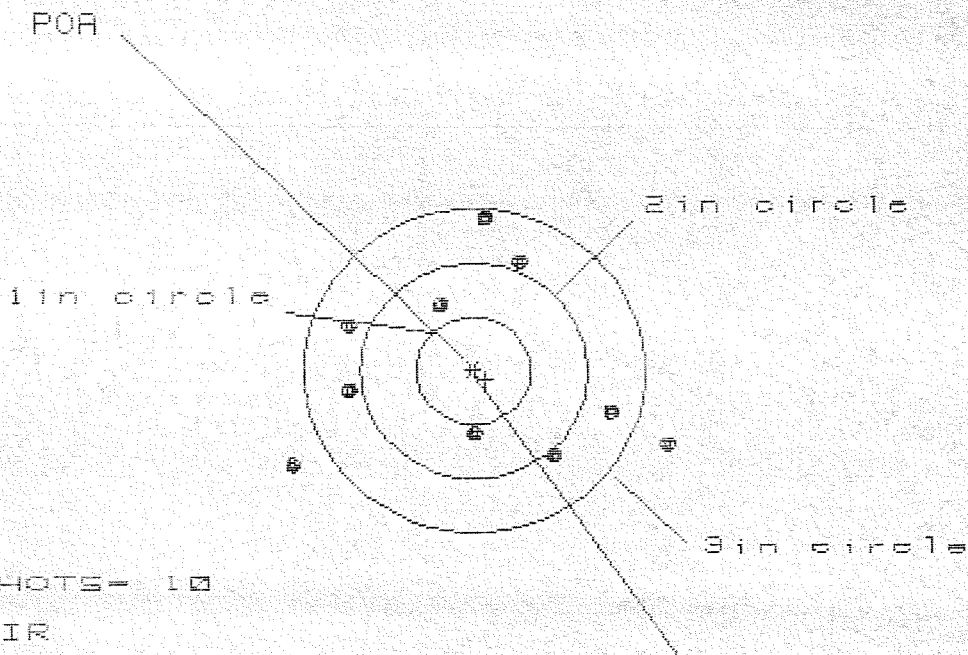
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0694
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .007
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0697521
THE AMR FOR THIS RIFLE IS: 1.025

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225123

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 0

2in = 2

3in = 8

HS= 3.321

VS= 2.284

GS= 3.331

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.715	1.536	1.246
MINIMUM X	-1.607	-1.296	-1.104
MAXIMUM Y	1.389	1.290	1.198
MINIMUM Y	-0.895	-0.889	-0.981
CENTROID X	-0.103	0.076	-0.116
CENTROID Y	0.080	0.179	0.271
POA TO CENTROID in.	0.130	0.195	0.295
MIN RADIUS	0.622	0.669	0.480
MEAN RADIUS	1.209	1.132	1.033
MAX RADIUS	1.839	1.704	1.365
HORIZONTAL SPREAD	3.321	2.832	2.350
VERTICAL SPREAD	2.284	2.179	2.179
EXTREME SPREAD	3.331	3.015	2.469
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		8	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225123

CENTERFIRE PATTERNS

2

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 2.040

VS = 3.314

GS = 3.471

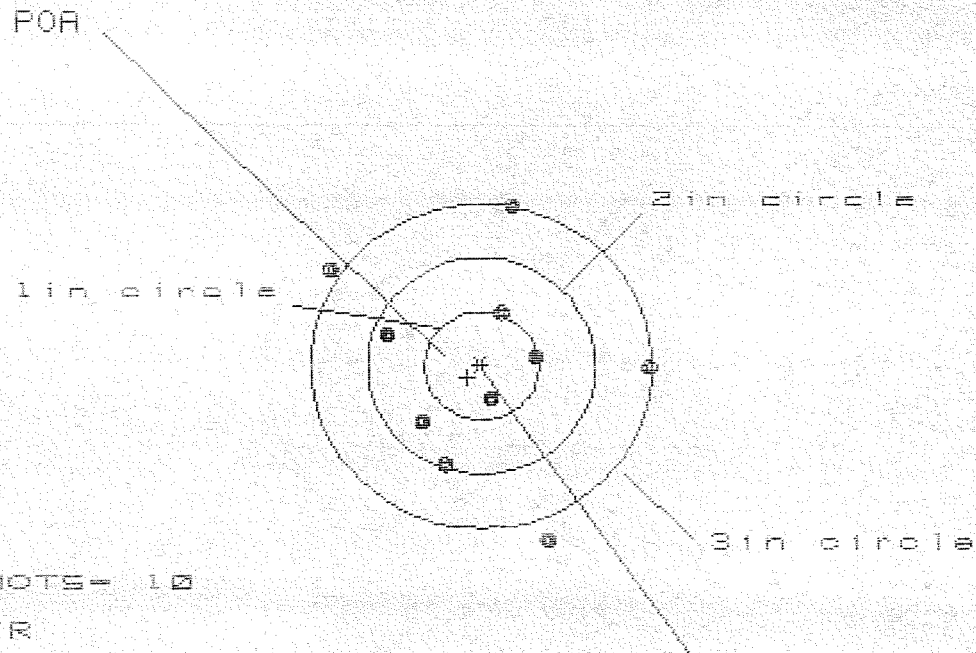
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.249	1.301	1.236
MINIMUM X	:	-.791	-.739	-.803
MAXIMUM Y	:	1.586	1.394	.560
MINIMUM Y	:	-1.728	-1.215	-1.041
CENTROID X	:	.164	.112	.176
CENTROID Y	:	-.214	-.022	-.196
POA TO CENTROID in.	:	.270	.114	.264
MIN RADIUS	:	.310	.316	.323
MEAN RADIUS	:	.969	.875	.781
MAX RADIUS	:	1.789	1.486	1.315
HORIZONTAL SPREAD	:	2.040	2.040	2.040
VERTICAL SPREAD	:	3.314	2.609	1.601
EXTREME SPREAD	:	3.471	2.619	2.473
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

12 Apr 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C8225123

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.753

VS = 3.086

GS = 3.142

CENTROID #

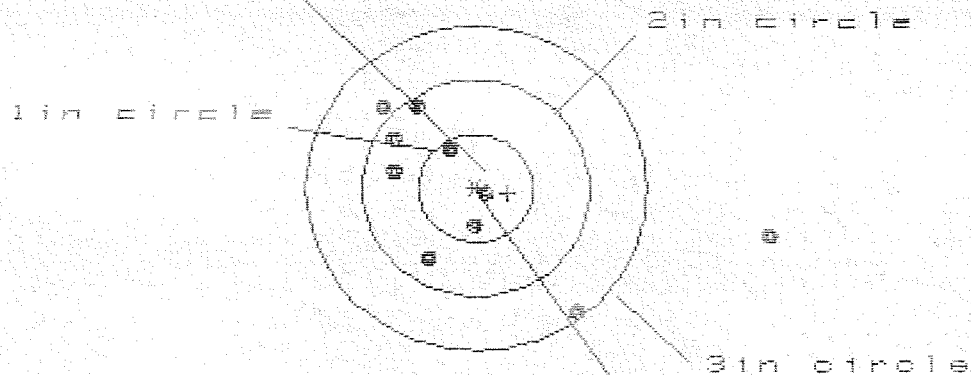
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.477	1.540	1.388
MINIMUM X	-1.276	-1.213	-1.909
MAXIMUM Y	1.464	1.284	1.377
MINIMUM Y	-1.622	-1.040	-1.947
CENTROID X	.122	.059	.211
CENTROID Y	.108	.288	.195
POA TO CENTROID in.	.163	.294	.287
MIN RADIUS	.268	.342	.358
MEAN RADIUS	1.006	.927	.845
MAX RADIUS	1.718	1.550	1.390
HORIZONTAL SPREAD	2.753	2.753	2.297
VERTICAL SPREAD	3.086	2.324	2.324
EXTREME SPREAD	3.142	2.902	2.405
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225123

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 3.412

VS= 1.822

GS= 3.599

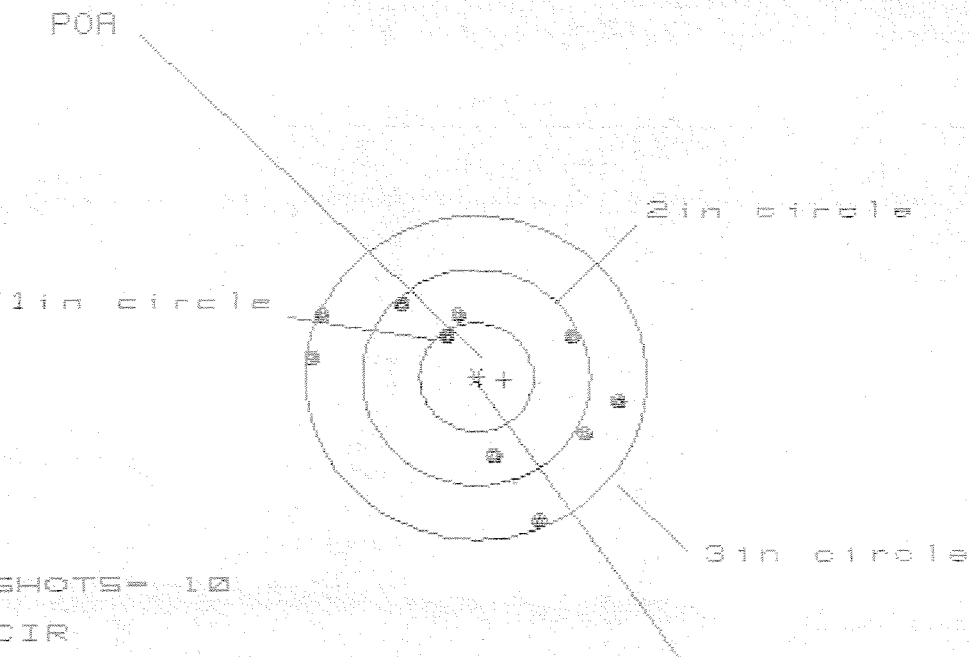
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.551	1.127	.503
MINIMUM X	:	-.861	-.577	-.436
MAXIMUM Y	:	.726	.679	.537
MINIMUM Y	:	-1.096	-1.143	-.838
CENTROID X	:	-.282	-.566	-.707
CENTROID Y	:	.041	.088	.230
POA TO CENTROID in.	:	.285	.573	.743
MIN RADIUS	:	.078	.283	.257
MEAN RADIUS	:	.915	.681	.530
MAX RADIUS	:	2.585	1.605	.839
HORIZONTAL SPREAD	:	3.412	1.704	.939
VERTICAL SPREAD	:	1.822	1.822	1.375
EXTREME SPREAD	:	3.599	2.495	1.433
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

12 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225123

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 10

CENTROID *

HS= 2.698

VS= 1.966

GS= 2.725

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.226	1.062	1.115
MINIMUM X	-1.472	-1.498	-1.446
MAXIMUM Y	.648	.665	.503
MINIMUM Y	-1.318	-1.301	-.836
CENTROID X	-.248	-.084	-.137
CENTROID Y	.020	.003	.165
POR TO CENTROID in.	.249	.084	.214
MIN RADIUS	.490	.603	.454
MEAN RADIUS	1.026	.964	.891
MAX RADIUS	1.481	1.595	1.496
HORIZONTAL SPREAD	2.698	2.560	2.560
VERTICAL SPREAD	1.966	1.966	1.339
EXTREME SPREAD	2.725	2.670	2.670
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

M24 W/ULTRA 10X-M3A SCOPE & DEPLOYMENT KIT

Scope # 90-1012

FROM:	SHIP TO:
DEPT. OF THE ARMY USASCH DOL. SUP/SVC. BLDG. 6037 EAST RANGE SCHO. BKS. HI 96857	DEPT. OF THE ARMY USASCH DOL. SUP/SVC. BLDG. 6037 EAST RANGE SCHO. BKS. HI 96857

CUST NO:107708 C.D.DL

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

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 004958949622

FOR PARTIAL AND TOTAL DESCRIPTION

1005-01-240-2136
RIFLE, M24, 7.62MM

WARNING: Unauthorized person removing, defacing, or destroying this tag may be subject to a fine of not more than \$1,000 or imprisonment for not more than one year or both. (18 USC 1361)

SERIAL NO./LOT NO. C6225123		UNIT OF ISSUE DN
CONTRACT OR PURCHASE ORDER NO.		QUANTITY 1
REMARKS		

SERVICEABLE TAG-MATERIEL

NEXT INSPECTION DUE (OVER AGE DATE)

CONDITION CODE
B

INSPECTION ACTIVITY

TA 26 Jan 94
DoI Maint Div 3017
Inspected By *[Signature]*

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 16225123DATE 11-7-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.46	2.61		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.49	2.69		
PULL #3	2.51	2.48	2.58		
PULL #4	2.65	2.58	2.54		
PULL #5	2.66	2.54	2.44		
TOTAL	12.80	12.55	12.78		
AVG.	2.56	2.51	2.55		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.02		
PULL #2	3.04	3.23		
PULL #3	3.00	3.13		
PULL #4	3.00	3.10		
PULL #5	3.11	3.00		
TOTAL	15.27	15.48		
AVG.	3.05	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.15		4.21
PULL #2	4.05	4.26		4.16
PULL #3	4.20	4.30		4.16
PULL #4	4.00	4.03		4.14
PULL #5	4.14	4.19		4.17
TOTAL	20.48	20.93		20.84
AVG.	4.09	4.18		4.16

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6725123

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	5 1/2	6			4/24/96	WB
	G) Safety Off Force	3	3	3			4/24/96	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.0205	.0205			4/24/96	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						4/24/96	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	2.19	2.16	2.17	2.17	2.29	4/24/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # ~~CC325122~~
 1 Jan 1998 *CG225123*

CENTROIDAL DISTANCES

0 TO	1	1.58774
1 TO	2	.404079
1 TO	3	.221097
1 TO	4	.37768
1 TO	5	.488771

$$\frac{2}{31}$$

+ <----POA

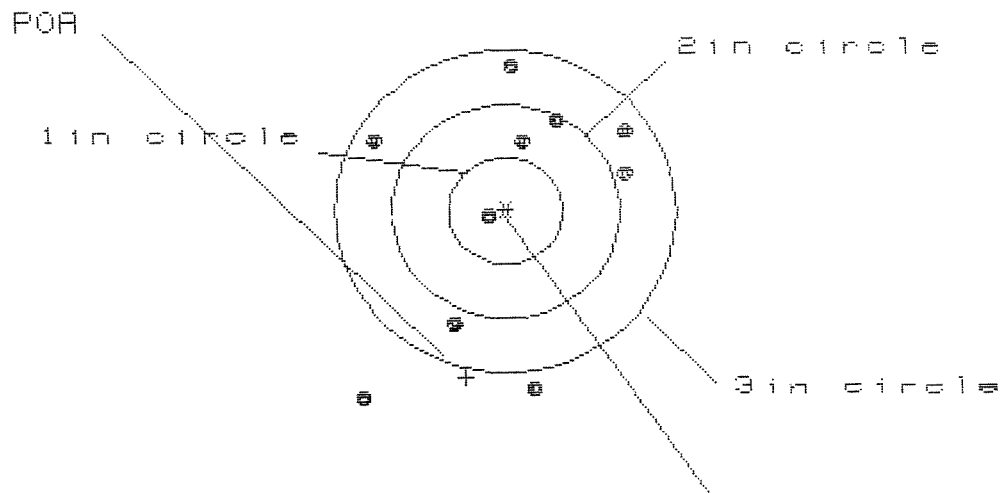
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .076
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.5552
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.55706

THE AMR FOR THIS RIFLE IS: .9038

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/08225123

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

CENTROID #

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.333

VS= 3.081

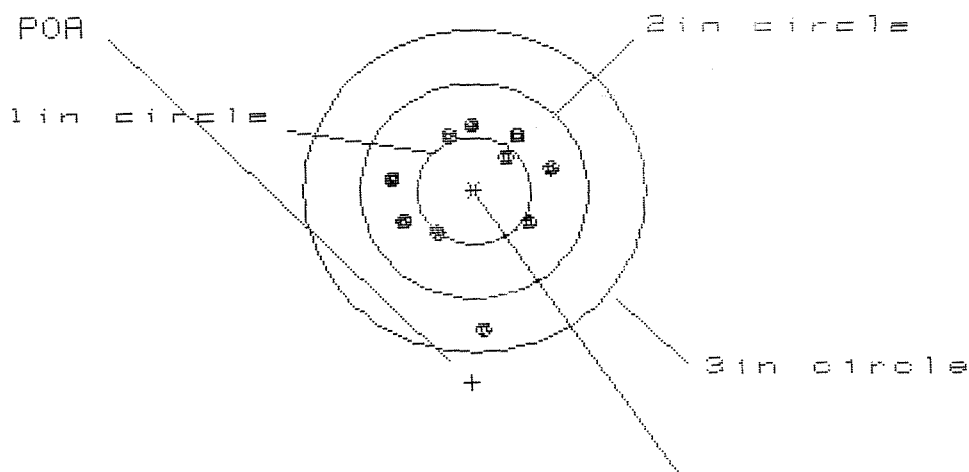
GS= 3.428

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.088	.950	.968
MINIMUM X	:	-1.245	-1.302	-1.284
MAXIMUM Y	:	1.322	1.125	.893
MINIMUM Y	:	-1.769	-1.858	-1.486
CENTROID X	:	.353	.491	.473
CENTROID Y	:	1.548	1.745	1.977
POA TO CENTROID in.	:	1.588	1.812	2.033
MIN RADIUS	:	.191	.406	.218
MEAN RADIUS	:	1.190	1.041	.886
MAX RADIUS	:	2.163	1.863	1.596
HORIZONTAL SPREAD	:	2.333	2.252	2.252
VERTICAL SPREAD	:	3.091	2.983	2.379
EXTREME SPREAD	:	3.428	2.995	2.427
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	8		

4 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225123

CENTERFIRE PATTERNS # 2



CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 9

3 in = 10

HS= 1.382

VS= 1.838

GS= 1.840

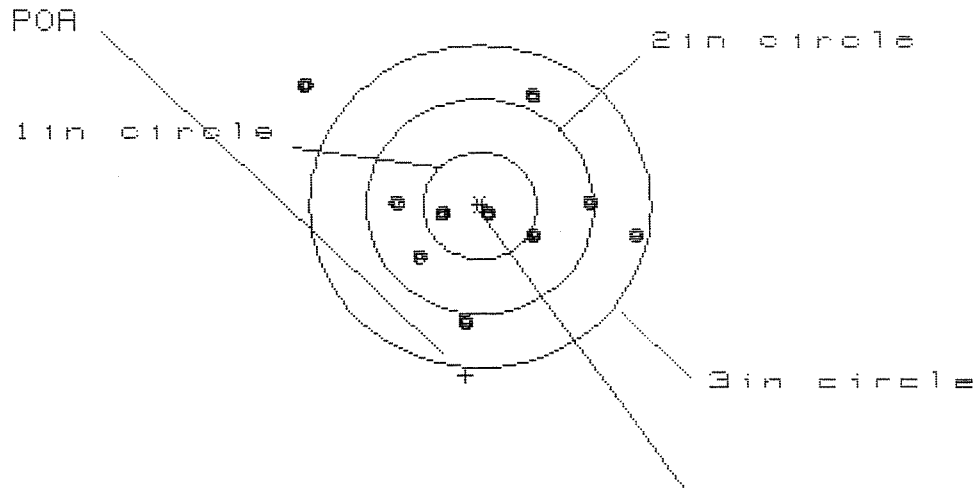
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.667	.678	.590
MINIMUM X	:	-.715	-.704	-.706
MAXIMUM Y	:	.570	.429	.426
MINIMUM Y	:	-1.268	-.542	-.545
CENTROID X	:	.025	.014	.102
CENTROID Y	:	1.784	1.925	1.928
POA TO CENTROID in.	:	1.784	1.925	1.931
MIN RADIUS	:	.391	.309	.234
MEAN RADIUS	:	.663	.569	.538
MAX RADIUS	:	1.272	.733	.810
HORIZONTAL SPREAD	:	1.382	1.382	1.296
VERTICAL SPREAD	:	1.838	.971	.971
EXTREME SPREAD	:	1.840	1.391	1.391

NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	9
NUMBER IN THREE INCH CIRCLE	=	10

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225123

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

CENTROID #

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.883

VS= 2.235

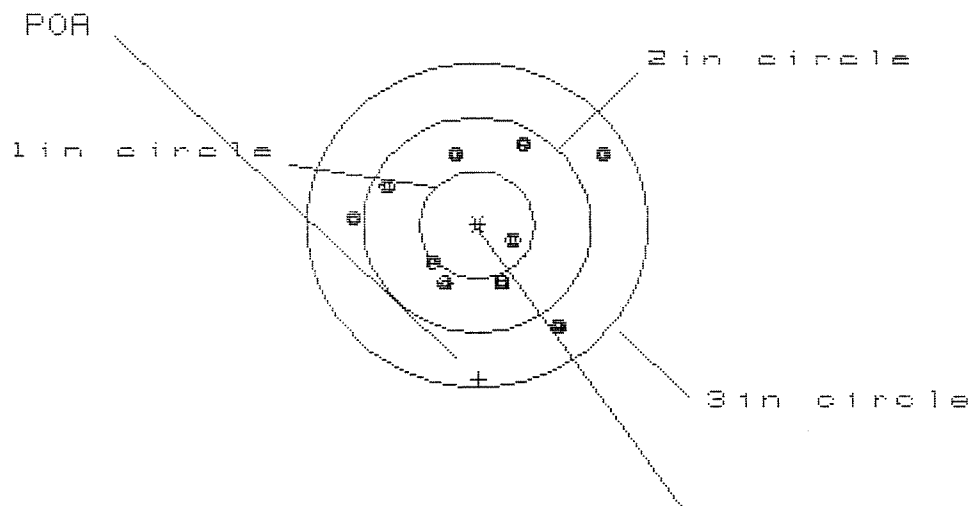
GS= 3.220

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.350	1.180	.945
MINIMUM X	:	-1.533	-.889	-.742
MAXIMUM Y	:	1.171	1.126	1.109
MINIMUM Y	:	-1.064	-.933	-.950
CENTROID X	:	.133	.303	.156
CENTROID Y	:	1.570	1.439	1.456
POA TO CENTROID in.	:	1.575	1.471	1.464
MIN RADIUS	:	.050	.167	.073
MEAN RADIUS	:	.894	.773	.696
MAX RADIUS	:	1.929	1.187	1.191
HORIZONTAL SPREAD	:	2.883	2.069	1.687
VERTICAL SPREAD	:	2.235	2.059	2.059
EXTREME SPREAD	:	3.220	2.137	2.137
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225123

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

CENTROID *

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 2.145

VS = 1.759

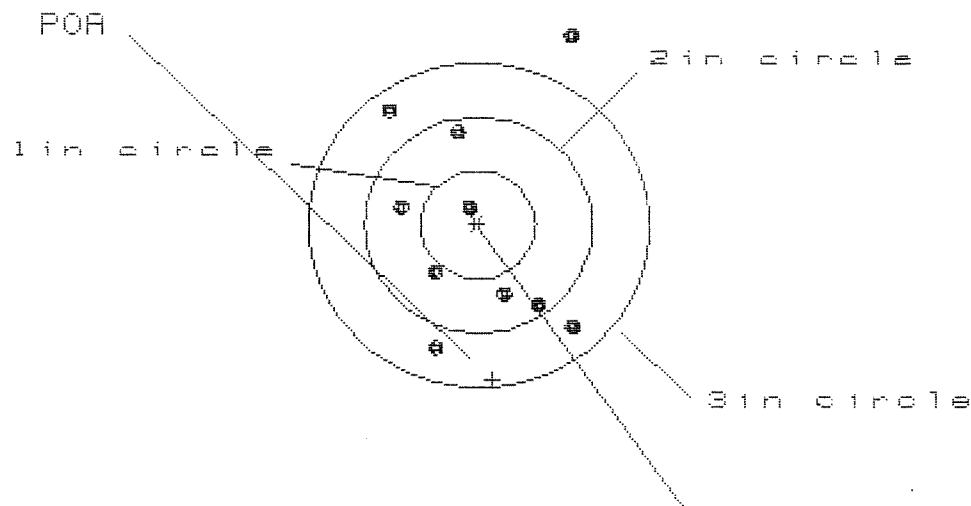
GS = 2.228

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.098	.817	.615
MINIMUM X	:	-1.047	-.925	-.823
MAXIMUM Y	:	.791	.862	.750
MINIMUM Y	:	-.968	-.897	-.616
CENTROID X	:	-.008	-.130	-.232
CENTROID Y	:	1.437	1.366	1.478
POA TO CENTROID in.	:	1.437	1.372	1.496
MIN RADIUS	:	.379	.339	.370
MEAN RADIUS	:	.797	.726	.664
MAX RADIUS	:	1.274	1.213	.970
HORIZONTAL SPREAD	:	2.145	1.742	1.438
VERTICAL SPREAD	:	1.759	1.759	1.366
EXTREME SPREAD	:	2.228	2.035	1.621
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225123

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

CENTROID *

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 1.649

VS= 2.881

GS= 3.124

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.841	.903	.813
MINIMUM X	:	-.808	-.714	-.701
MAXIMUM Y	:	1.728	1.253	1.218
MINIMUM Y	:	-1.153	-.961	-.804
CENTROID X	:	-.123	-.217	-.127
CENTROID Y	:	1.437	1.245	1.088
POA TO CENTROID in.	:	1.442	1.264	1.096
MIN RADIUS	:	.206	.325	.336
MEAN RADIUS	:	.975	.842	.749
MAX RADIUS	:	1.922	1.442	1.230
HORIZONTAL SPREAD	:	1.649	1.617	1.514
VERTICAL SPREAD	:	2.881	2.214	2.022
EXTREME SPREAD	:	3.124	2.602	2.095
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	