

C6611822

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®]

MODEL 700TM M24

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

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

SERIAL NO.
C6611822

ORDER NO.
5716

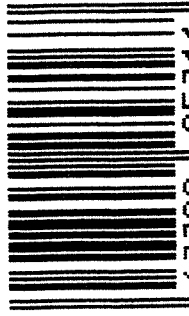
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MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.



5716 C6611822

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611822

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/29/91	RR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LL
617	Drill and Tap Sight Holes	2 2 91	2 9 1	LB
618	Polish Barrel <i>RBB</i>	2 2 91	2 9 1	WB
620	Apply Coatings (Barrel Action)		2-11-91	JA
	Apply Coating (Bolt)			
625	Final Assembly		2/18/91	KA
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	KA
	C) Inspect Ejector Hole for Chamfer		2/18/91	KA
	D) Oil Firing Pin Ass'y		2/18/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2-21-91	DH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 $\frac{3}{4}$	4 $\frac{1}{2}$	5			2-21-91	DA
	G) Safety Off Force	3	3	3			2-21-91	DA
	H) Trigger Pull Test & Retainability						2-21-91	DA
	I) Firing Pin Indent	.021	.0205	.021			2-21-91	DA
	J) Assemble Stock						2/25/91	KL
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2-26-91	AC
	M) Iron Sight Alignment						2/26/91	KL
	N) Detach Front & Rear Sights & place in numbered container						2/25/91	KL
	O) Attach Scope to Rifle						2/25/91	KL
	P) Detach & Attach Scope 20 Times						2/26/91	KL
640	Gallery Target & Test						2/25/91	KL
	A) Time						2/25/91	KL
	B) Malfunctions						2/25/91	KL
	C) Pierced Primers						2/25/91	KL
	D) Optical Clarity of Scope						2/25/91	KL
645	Inspect for Live Ammo						2/25/91	KL
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.46	2.57	2.45	2.44	2.41	2/26/91	KL
	C) Function						2-26-91	AC
660	Pack						3-18-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611822DATE 2-21-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.56	2.57	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.47	2.50	2.52	2.57	
PULL #3	2.49	2.48	2.55	2.45	
PULL #4	2.45	2.46	2.64	2.44	
PULL #5	2.46	2.50	2.43	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.16		
PULL #2	3.04	3.10		
PULL #3	3.13	3.48		
PULL #4	3.11	3.36		
PULL #5	3.18	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.11		4.01
PULL #2	4.19	4.20		4.35
PULL #3	4.18	4.10		3.90
PULL #4	4.03	4.00		4.41
PULL #5	4.14	4.14		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611822
26 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.0431393
1 TO	2	.289007
1 TO	3	.154768
1 TO	4	.124471
1 TO	5	.0925419

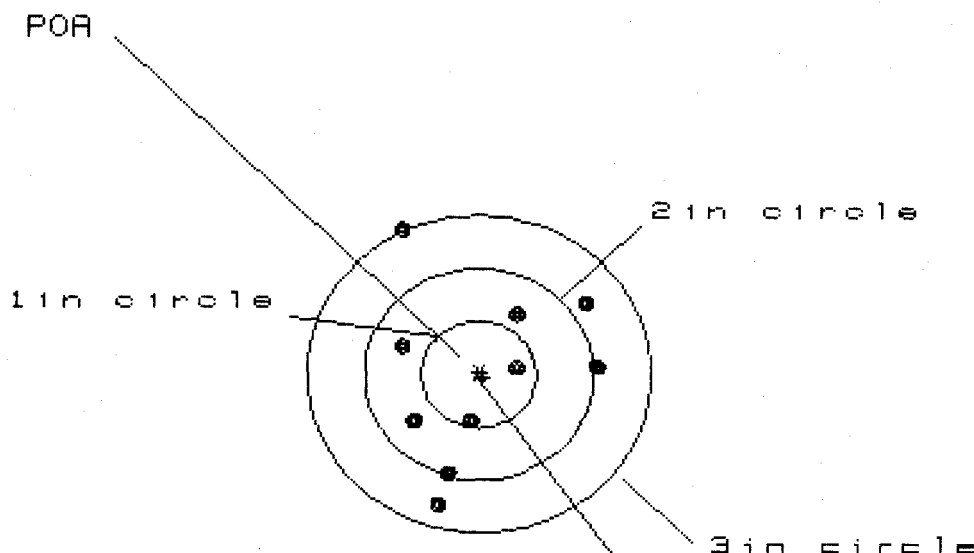
起 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .059
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0512
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0773656
THE AMR FOR THIS RIFLE IS: .9928

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611822

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 1.769

VS= 2.522

GS= 2.548

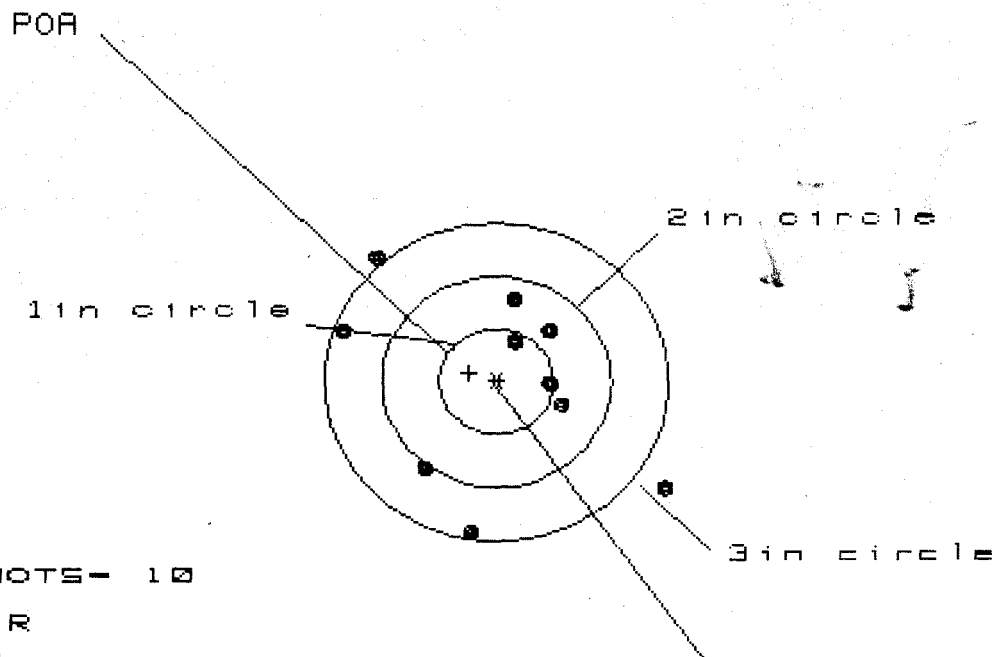
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.066	.987	.935
MINIMUM X	:	-.704	-.756	-.808
MAXIMUM Y	:	1.333	.805	.675
MINIMUM Y	:	-1.189	-1.041	-.895
CENTROID X	:	-.030	.049	.101
CENTROID Y	:	.031	-.117	.012
POA TO CENTROID in.	:	.043	.127	.102
MIN RADIUS	:	.299	.279	.173
MEAN RADIUS	:	.874	.786	.736
MAX RADIUS	:	1.507	1.172	1.046
HORIZONTAL SPREAD	:	1.769	1.743	1.743
VERTICAL SPREAD	:	2.522	1.846	1.570
EXTREME SPREAD	:	2.548	2.242	1.960
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

26 Feb 1991

FILE: PATTERNING/CENTERFIRE_PATT/C8611822

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.836

VS= 2.625

GS= 3.393

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.485	.687	.577
MINIMUM X	:	-1.351	-1.186	-1.296
MAXIMUM Y	:	1.229	1.115	.781
MINIMUM Y	:	-1.396	-1.510	-1.370
CENTROID X	:	.236	.071	.181
CENTROID Y	:	-.082	.032	-.108
POA TO CENTROID in.	:	.249	.077	.211
MIN RADIUS	:	.392	.431	.444
MEAN RADIUS	:	1.019	.943	.860
MAX RADIUS	:	1.805	1.510	1.410
HORIZONTAL SPREAD	:	2.836	1.873	1.873
VERTICAL SPREAD	:	2.625	2.625	2.151
EXTREME SPREAD	:	3.393	2.761	2.246
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611822

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in = 10

HS= 1.350

VS= 2.124

GS= 2.388

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.532	.574	.539
MINIMUM X	:	-.818	-.776	-.811
MAXIMUM Y	:	1.366	1.457	.725
MINIMUM Y	:	-.758	-.606	-.424
CENTROID X	:	.057	.015	.050
CENTROID Y	:	-.097	-.249	-.431
POA TO CENTROID in.	:	.113	.250	.434
MIN RADIUS	:	.265	.211	.168
MEAN RADIUS	:	.773	.656	.502
MAX RADIUS	:	1.417	1.483	1.088
HORIZONTAL SPREAD	:	1.350	1.350	1.350
VERTICAL SPREAD	:	2.124	2.063	1.149
EXTREME SPREAD	:	2.388	2.100	1.550
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611822

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in = 7

HS- 2.657

VS= 3.347

GS= 3.375

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.498	1.448	1.439
MINIMUM X	:	-1.159	-1.209	-1.218
MAXIMUM Y	:	1.540	1.339	.942
MINIMUM Y	:	-1.807	-.963	-.795
CENTROID X	:	.067	.117	.126
CENTROID Y	:	-.047	.154	-.014
POA TO CENTROID in.	:	.082	.193	.127
MIN RADIUS	:	.433	.341	.447
MEAN RADIUS	:	1.045	.927	.884
MAX RADIUS	:	1.862	1.528	1.474
HORIZONTAL SPREAD	:	2.657	2.657	2.657
VERTICAL SPREAD	:	3.347	2.302	1.737
EXTREME SPREAD	:	3.375	2.657	2.657
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

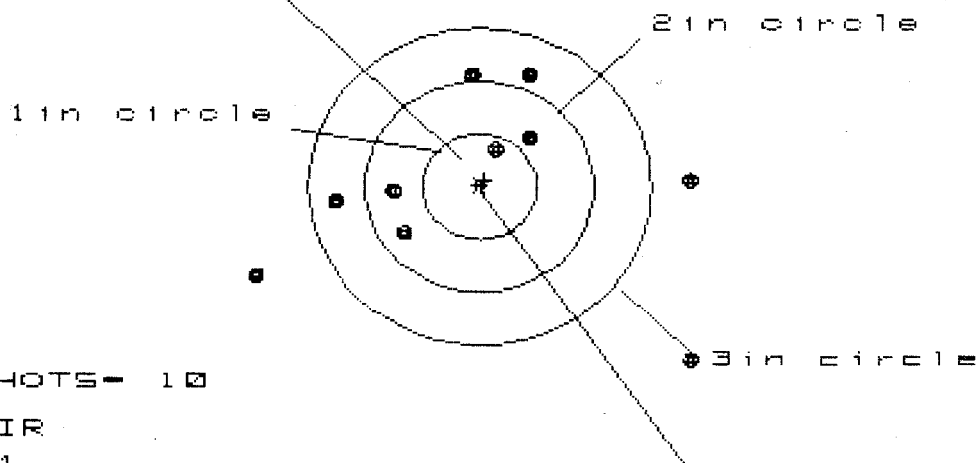
26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611822

CENTERFIRE PATTERNS

5

POA



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 3.839

VS = 2.705

GS = 3.929

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.853	2.056	1.833
MINIMUM X	:	-1.986	-1.783	-1.235
MAXIMUM Y	:	1.104	.927	.804
MINIMUM Y	:	-1.601	-.977	-.770
CENTROID X	:	-.040	-.243	-.020
CENTROID Y	:	-.061	.116	.238
POA TO CENTROID in.	:	.073	.270	.239
MIN RADIUS	:	.397	.371	.119
MEAN RADIUS	:	1.253	1.075	.915
MAX RADIUS	:	2.428	2.061	1.852
HORIZONTAL SPREAD	:	3.839	3.839	3.068
VERTICAL SPREAD	:	2.705	1.904	1.575
EXTREME SPREAD	:	3.929	3.929	3.076
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

R 94-18403

FROM:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL 36201-5025

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL
36201-5025

CUST NO: 098397 C.D.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

[illegible]

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400036600

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611822DATE 2-27-96TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.89	2.50		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.69	2.64		
PULL #3	2.37	2.99	2.84		
PULL #4	2.62	2.88	2.92		
PULL #5	2.61	2.96	2.78		
TOTAL	12.75	14.41	13.74		
AVG.	2.55	2.88	2.74		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	2.97		
PULL #2	3.00	3.12		
PULL #3	3.04	2.84		
PULL #4	3.23	2.74		
PULL #5	2.92	3.02		
TOTAL	15.54	14.69		
AVG.	3.10	2.93		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.29		4.19
PULL #2	4.37	4.34		4.05
PULL #3	4.49	4.43		3.84
PULL #4	4.48	4.15		4.00
PULL #5	4.69	4.44		3.90
TOTAL	22.39	21.65		19.98
AVG.	4.47	4.33		3.99

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611822

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	5½	5½	5½			3/7	AC
	G) Safety Off Force	3	3	3			3/7	AC
	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	2.31	2.41	2.46	2.47	2.53	3/7/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611822
2 Jan 1900

CENTROIDAL DISTANCES

0 TO 1	1.56363
1 TO 2	.550023
1 TO 3	.18348
1 TO 4	.391343
1 TO 5	.213843

+ + + + +

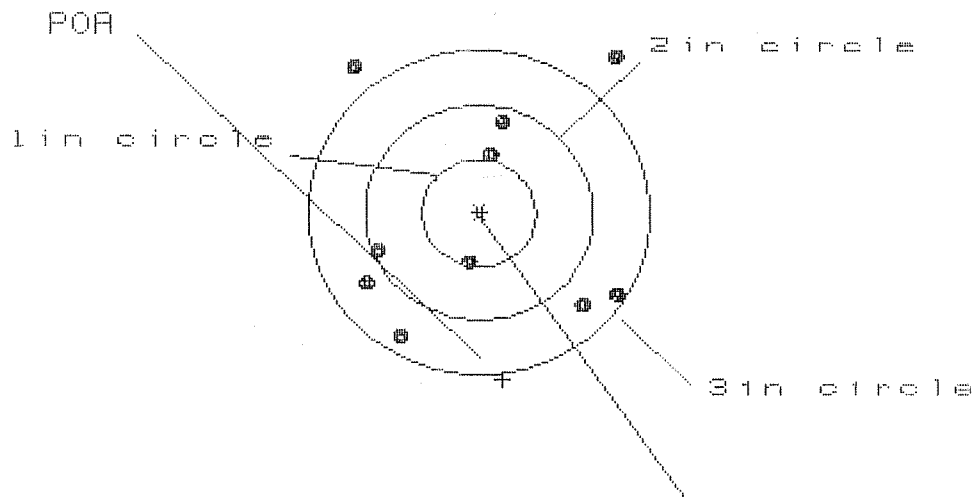
+ + + + + POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0908
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.3288
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.3319
THE AMR FOR THIS RIFLE IS: 1.13

2 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6611822

CENTERFIRE PATTERNS # 1



OF SHOTS-- 10

CENTROID #

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.369

VS= 2.600

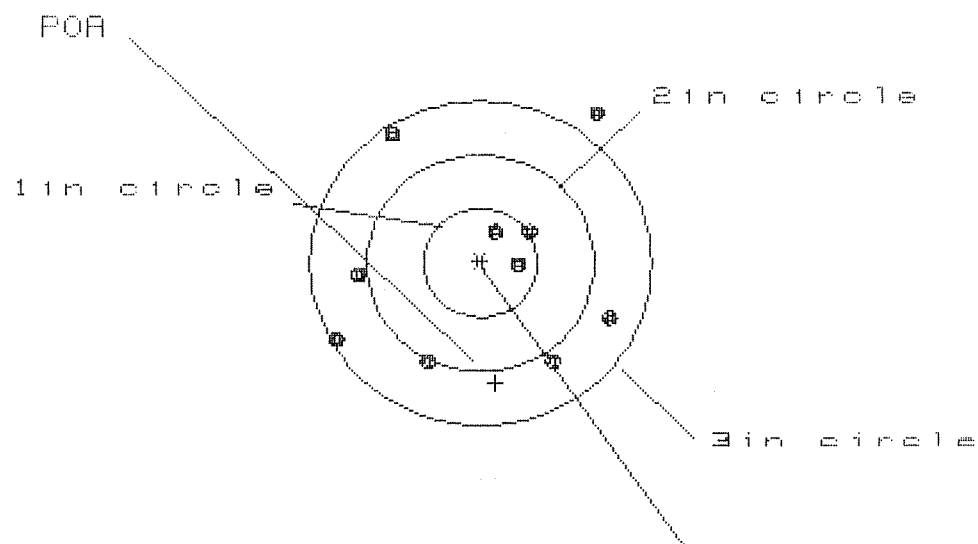
GS= 3.263

PATTERN # :

1

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.246	1.366	1.243
MINIMUM X	:	-1.123	-.984	-.981
MAXIMUM Y	:	1.402	1.516	1.211
MINIMUM Y	:	-1.198	-1.042	-.853
CENTROID X	:	-.206	-.345	-.222
CENTROID Y	:	1.550	1.394	1.205
POA TO CENTROID in.	:	1.564	1.436	1.225
MIN RADIUS	:	.418	.272	.079
MEAN RADIUS	:	1.172	1.067	.947
MAX RADIUS	:	1.876	1.807	1.314
HORIZONTAL SPREAD	:	2.369	2.350	2.224
VERTICAL SPREAD	:	2.600	2.558	2.064
EXTREME SPREAD	:	3.263	3.174	2.275
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	8		

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 3

3in = 9

HS= 2.341

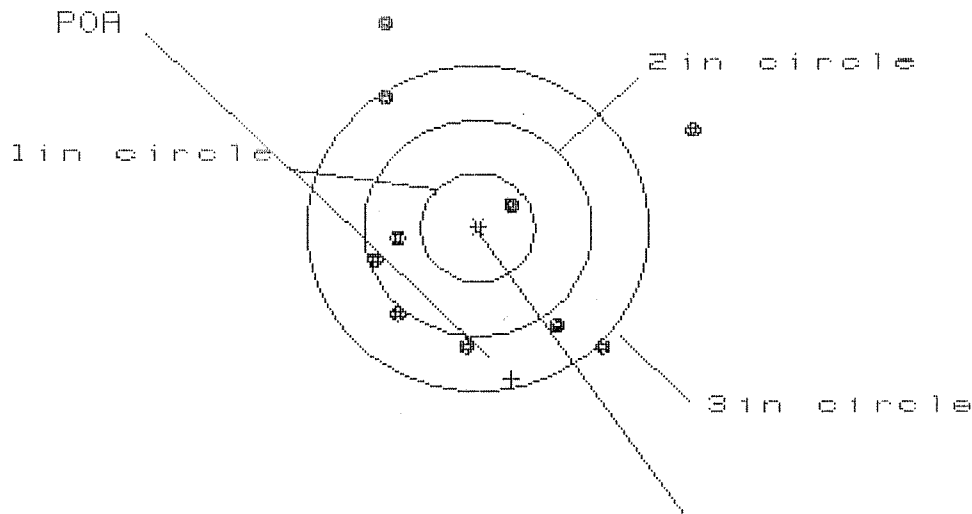
VS= 2.309

GS= 3.126

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	1.205	1.063
MINIMUM X	:	-1.254	-1.136	-1.074
MAXIMUM Y	:	1.415	1.302	1.235
MINIMUM Y	:	-.894	-.736	-.803
CENTROID X	:	1.107	.949	1.016
CENTROID Y	:	1.114	.981	1.021
POA TO CENTROID in.	:	.297	.441	.285
MIN RADIUS	:	1.002	.931	.854
MEAN RADIUS	:	1.766	1.461	1.474
MAX RADIUS	:	2.341	2.341	2.137
HORIZONTAL SPREAD	:	2.309	2.038	2.038
VERTICAL SPREAD	:	3.126	2.498	2.498
EXTREME SPREAD	:			
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

CENTROID #

IN CIR

1in = 1

2in = 3

3in = 7

HS= 2.721

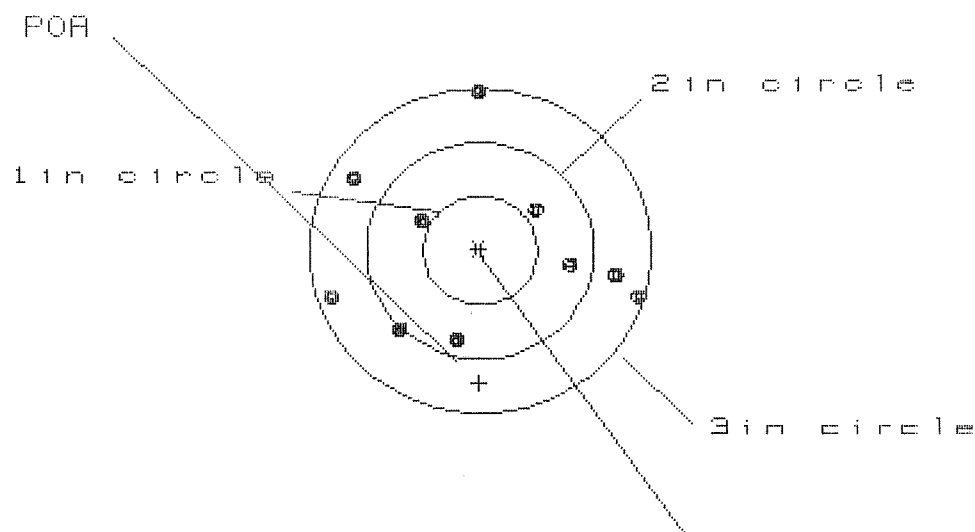
VS= 2.993

GS= 3.561

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.846	1.753	1.265
MINIMUM X	:	-.875	-.968	-.749
MAXIMUM Y	:	1.871	1.371	1.505
MINIMUM Y	:	-1.122	-.914	-.780
CENTROID X	:	-.294	-.201	-.420
CENTROID Y	:	1.389	1.181	1.047
POA TO CENTROID in.	:	1.420	1.198	1.128
MIN RADIUS	:	.389	.492	.667
MEAN RADIUS	:	1.233	1.122	.962
MAX RADIUS	:	2.049	2.055	1.636
HORIZONTAL SPREAD	:	2.721	2.721	2.014
VERTICAL SPREAD	:	2.993	2.285	2.285
EXTREME SPREAD	:	3.561	3.019	2.954
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			3	
NUMBER IN THREE INCH CIRCLE =			7	

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 4

3 in = 10

HS= 2.664

VS= 2.277

GS= 2.753

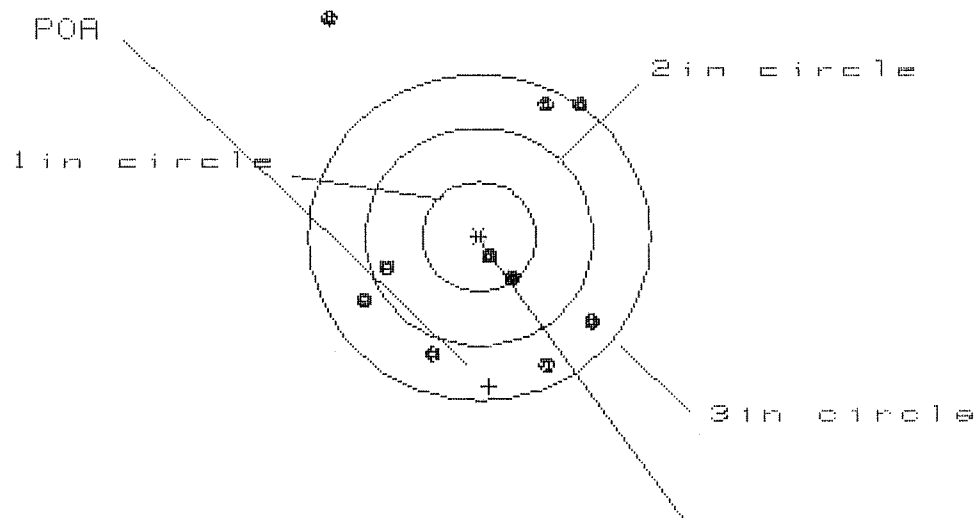
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.380	1.376	1.395
MINIMUM X	-1.284	-1.288	-1.116
MAXIMUM Y	1.454	.822	.792
MINIMUM Y	-.823	-.661	-.691
CENTROID X	.012	.016	-.156
CENTROID Y	1.225	1.063	1.093
POA TO CENTROID in.	1.225	1.063	1.105
MIN RADIUS	.608	.686	.585
MEAN RADIUS	1.075	1.022	.964
MAX RADIUS	1.454	1.425	1.397
HORIZONTAL SPREAD	2.664	2.664	2.511
VERTICAL SPREAD	2.277	1.483	1.483
EXTREME SPREAD	2.753	2.753	2.537
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

2 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6611822

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

CENTROID *

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.342

VS= 3.168

GS= 3.713

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.025	.879	.969
MINIMUM X	:	-1.317	-1.128	-1.038
MAXIMUM Y	:	2.030	1.451	1.630
MINIMUM Y	:	-1.138	-.912	-.733
CENTROID X	:	-.086	.060	-.030
CENTROID Y	:	1.373	1.147	.968
POA TO CENTROID in.	:	1.376	1.149	.969
MIN RADIUS	:	.226	.043	.200
MEAN RADIUS	:	1.166	.949	.853
MAX RADIUS	:	2.420	1.605	1.723
HORIZONTAL SPREAD	:	2.342	2.007	2.007
VERTICAL SPREAD	:	3.168	2.363	2.363
EXTREME SPREAD	:	3.713	2.604	2.502
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	