

Call
1-800-888-8888

06649090

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

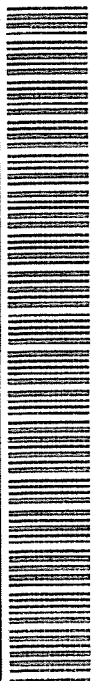
MODEL 700™ M24

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

SERIAL NO.
C6649090

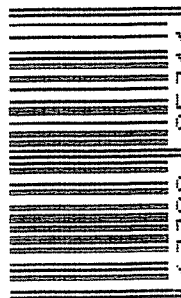
ORDER NO.
5716

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



5716 C6649090

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649090

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KA
600	Proof		6/27/91	KA
607	Check Headspace		6/27/91	KA
610	Dis-assemble Gun		6/27/91	KA
612	Magnaflux Barrel Action		JUL 1 8 1991	GS
	Magnaflux Bolt		JUL 1 8 1991	GS
615	Rollmark Caliber		JUL 1 8 1991	GS
617	Drill and Tap Sight Holes		JUL 1 8 1991	FB
618	Polish Barrel		JUL 1 8 1991	WB
620	Apply Coatings (Barrel Action)		6-27-91	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/22/91	KA
	C) Inspect Ejector Hole for Chamfer		8/22/91	KA
	D) Oil Firing Pin Ass'y		8/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8/24/91	JU

op. #	BARBER - M24 0031533	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6	6			8-26-91	DH
	G) Safety Off Force	2 1/2	3	2 1/2			8-26-91	DH
	H) Trigger Pull Test & Retainability						8/24/91	JK
	I) Firing Pin Indent	.021	.021	.021			8-26-91	DH
	J) Assemble Stock						8/26/91	JK
	K) Assemble Swivel Studs						8-31-91	DH
	L) Attach Front and Rear Sight Assemblies						8/26/91	JK
	M) Iron Sight Alignment						8/26/91	JK
	N) Detach Front & Rear Sights & place in numbered container						8/26/91	JK
	O) Attach Scope to Rifle						8/26/91	JK
	P) Detach & Attach Scope 20 Times						8/26/91	JK
640	Gallery Target & Test						8-27-91	DH
	A) Time						8-27-91	DH
	B) Malfunctions						8-27-91	DH
	C) Pierced Primers						8-27-91	DH
	D) Optical Clarity of Scope						8-27-91	DH
645	Inspect for Live Ammo						8-27-91	DH
655	Final Inspection							
	A) Headspace						8-31-91	DH
	B) Trigger Pull	2.32	2.28	2.33	2.33	2.28	8/29/91	JK
	C) Function						8-31-91	DH
660	Pack						9-18-91	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. 06649090DATE 8/24/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.57	2.52	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.49	2.50	2.28	
PULL #3	2.50	2.38	2.58	2.33	
PULL #4	2.56	2.42	2.43	2.33	
PULL #5	2.43	2.54	2.43	2.28	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.43		
PULL #2	3.31	3.30		
PULL #3	3.38	3.51		
PULL #4	3.23	3.64		
PULL #5	3.32	3.56		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.56		4.42
PULL #2	4.56	4.56		4.50
PULL #3	4.52	4.36		4.20
PULL #4	4.58	4.20		4.60
PULL #5	4.52	4.47		4.64
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649090
28 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.184011
1 TO	2	.459365
1 TO	3	.708467
1 TO	4	.642722
1 TO	5	.618819

$\frac{3}{5} \frac{2}{11}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2094
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2098
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .296410
THE AMR FOR THIS RIFLE IS: .9054

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649090

CENTERFIRE PATTERNS # 1

FOR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 3.284

VS= 1.770

GS= 2.640

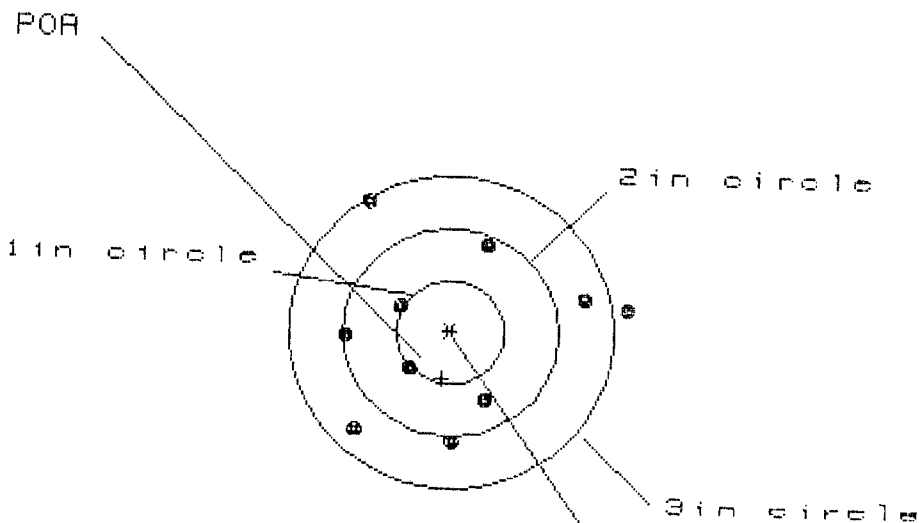
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.438	.782	.697
MINIMUM X	-.846	-.687	-.709
MAXIMUM Y	.888	.937	.833
MINIMUM Y	-.882	-.833	-.509
CENTROID X	.184	.025	.110
CENTROID Y	.002	-.047	.057
POA TO CENTROID in.	.184	.053	.124
MIN RADIUS	.201	.139	.231
MEAN RADIUS	.750	.646	.604
MAX RADIUS	1.504	1.079	.847
HORIZONTAL SPREAD	2.284	1.469	1.406
VERTICAL SPREAD	1.770	1.770	1.342
EXTREME SPREAD	2.640	1.998	1.595
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649090

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 9

HS = 2.539

VS = 2.280

GS = 2.788

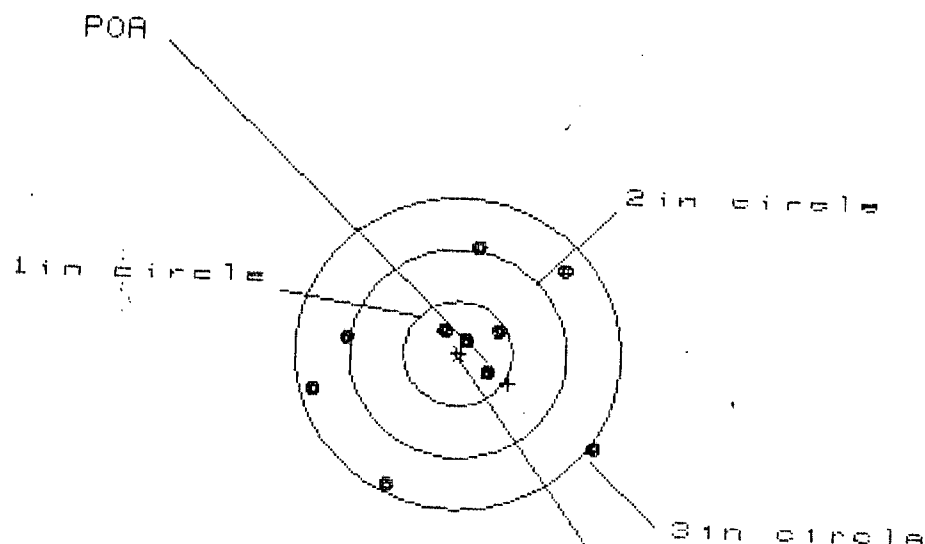
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.625	1.365	1.290
MINIMUM X	:	-1.014	-0.834	-0.909
MAXIMUM Y	:	1.269	1.299	1.001
MINIMUM Y	:	-1.011	-0.981	-0.819
CENTROID X	:	.074	-0.106	-0.031
CENTROID Y	:	.448	.418	.256
POR TO CENTROID in.	:	.454	.431	.257
MIN RADIUS	:	.524	.384	.333
MEAN RADIUS	:	1.032	.933	.856
MAX RADIUS	:	1.647	1.431	1.400
HORIZONTAL SPREAD	:	2.639	2.199	2.199
VERTICAL SPREAD	:	2.280	2.280	1.820
EXTREME SPREAD	:	2.788	2.443	2.443
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS= 2.5000

VS= 2.331

GS= 2.718

PATTERN #

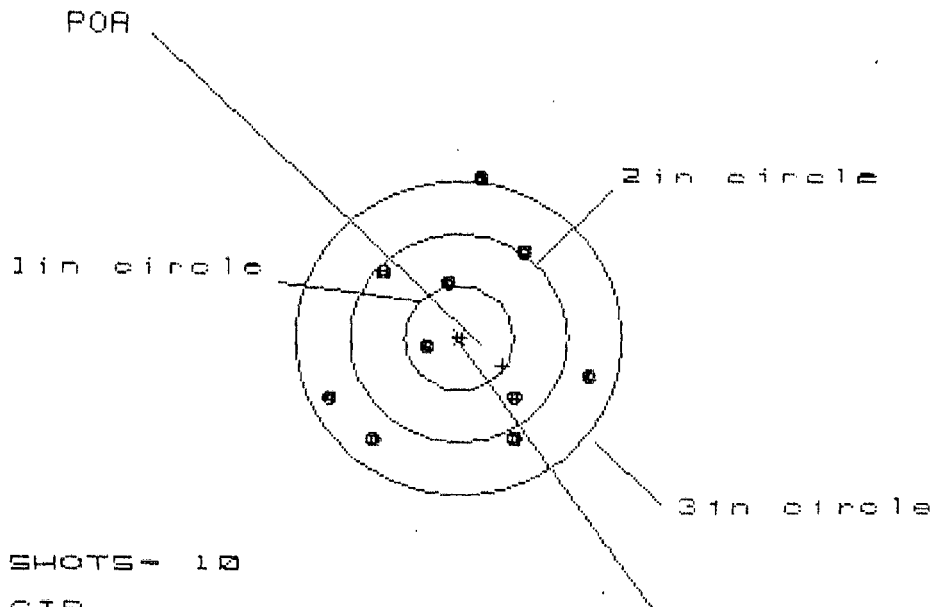
3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.316	1.077	1.013
MINIMUM X	-1.364	-1.218	-1.282
MAXIMUM Y	1.076	.985	.816
MINIMUM Y	-1.255	-1.346	-.634
CENTROID X	-.471	-.617	-.553
CENTROID Y	.272	.363	.532
POA TO CENTROID in.	.544	.716	.767
MIN RADIUS	.205	.103	.093
MEAN RADIUS	.897	.818	.713
MAX RADIUS	1.553	1.441	1.430
HORIZONTAL SPREAD	2.680	2.295	2.295
VERTICAL SPREAD	2.331	2.331	1.450
EXTREME SPREAD	2.718	2.635	2.599
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 9		

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.366

VS= 2.445

GS= 2.630

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.217	1.238	1.097
MINIMUM X	:	-1.149	-1.128	-.903
MAXIMUM Y	:	1.507	.970	.917
MINIMUM Y	:	-.938	-.771	-.824
CENTROID X	:	-.402	-.423	-.282
CENTROID Y	:	.266	.099	.152
POA TO CENTROID in.	:	.483	.435	.321
MIN RADIUS	:	.276	.268	.392
MEAN RADIUS	:	.986	.920	.880
MAX RADIUS	:	1.518	1.260	1.221
HORIZONTAL SPREAD	:	2.366	2.366	2.000
VERTICAL SPREAD	:	2.445	1.741	1.741
EXTREME SPREAD	:	2.630	2.374	2.220
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649090
28 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.184011
1 TO	2	.459365
1 TO	3	.708467
1 TO	4	.642722
1 TO	5	.618819

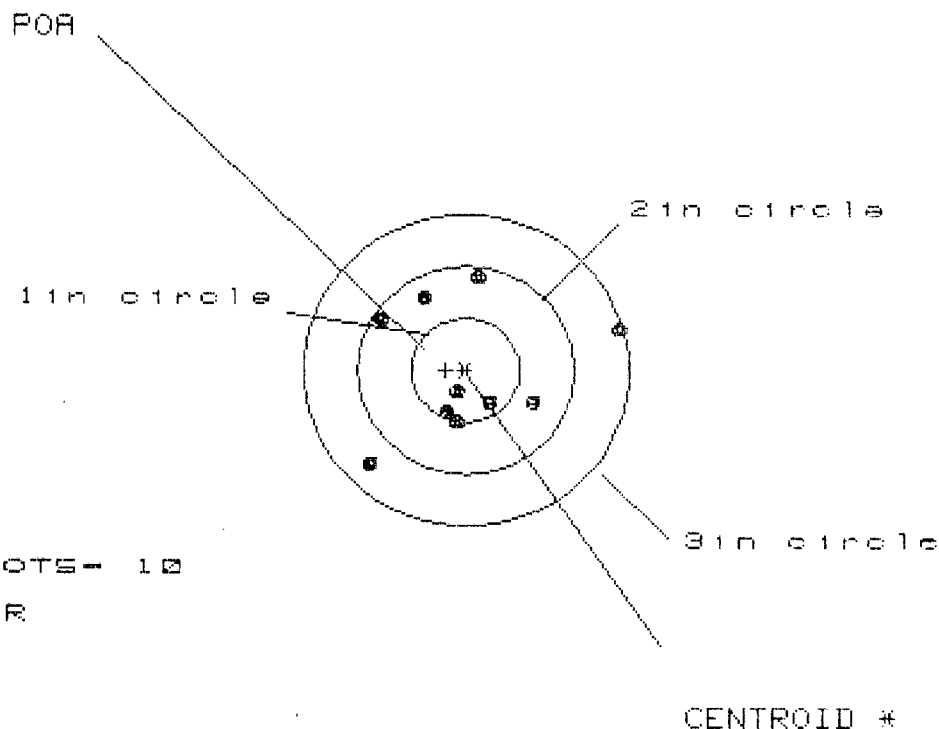
$\frac{2}{3} + 1$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2094
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2098
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .296419
THE AMR FOR THIS RIFLE IS: .9054

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

IS= 2.284

VS= 1.770

GS= 2.640

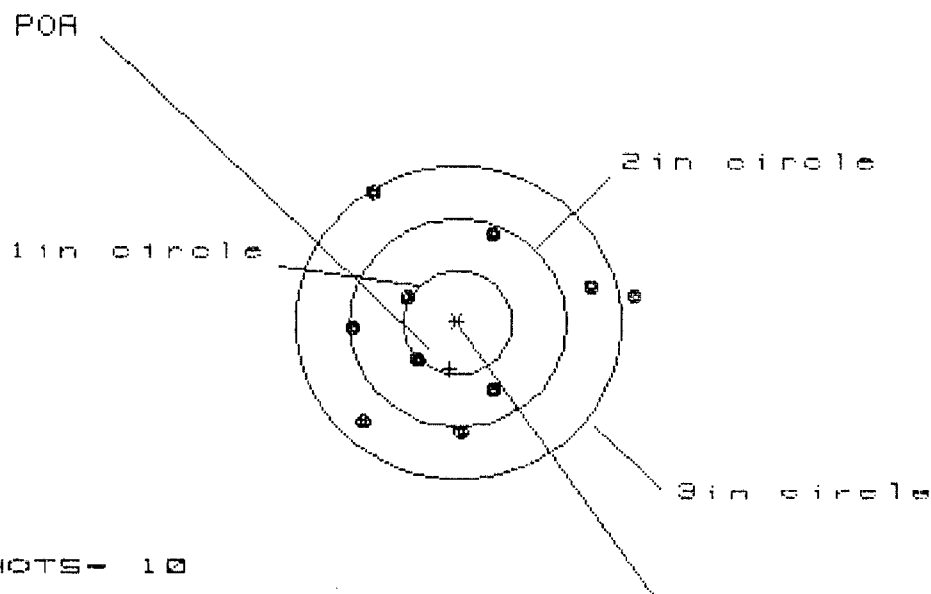
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.438	.782	.697
MINIMUM X	-.846	-.687	-.709
MAXIMUM Y	.888	.937	.833
MINIMUM Y	-.882	-.833	-.509
CENTROID X	.184	.025	.110
CENTROID Y	.002	-.047	.057
POA TO CENTROID in.	.184	.053	.124
MIN RADIUS	.201	.139	.231
MEAN RADIUS	.750	.646	.604
MAX RADIUS	1.504	1.079	.847
HORIZONTAL SPREAD	2.284	1.469	1.406
VERTICAL SPREAD	1.770	1.770	1.342
EXTREME SPREAD	2.640	1.998	1.595
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS = 2.639

VS = 2.280

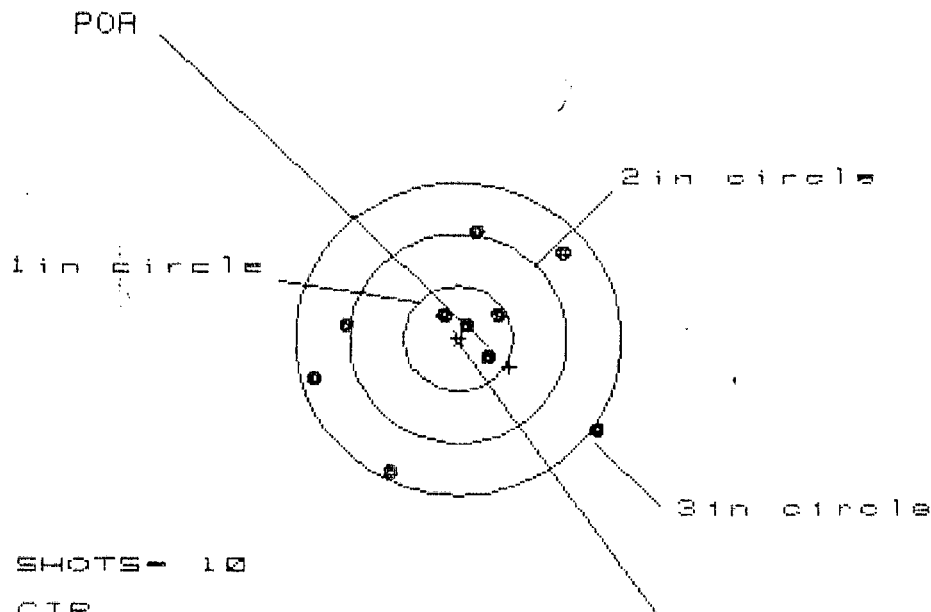
GS = 2.788

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.625	1.365	1.290
MINIMUM X	:	-1.014	-.834	-.909
MAXIMUM Y	:	1.269	1.299	1.001
MINIMUM Y	:	-1.011	-.981	-.819
CENTROID X	:	.074	-.106	-.031
CENTROID Y	:	.448	.418	.256
POA TO CENTROID in.	:	.454	.431	.257
MIN RADIUS	:	.524	.384	.333
MEAN RADIUS	:	1.032	.933	.856
MAX RADIUS	:	1.647	1.431	1.400
HORIZONTAL SPREAD	:	2.639	2.199	2.199
VERTICAL SPREAD	:	2.280	2.280	1.820
EXTREME SPREAD	:	2.788	2.443	2.443
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8849090

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS = 2.600

VS = 2.331

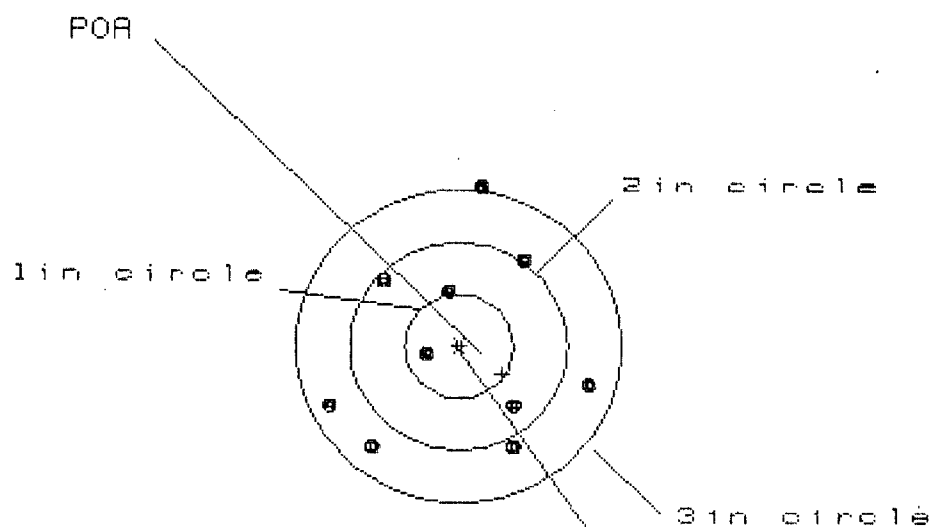
GS = 2.718

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.316	1.077	1.013
MINIMUM X	:	-1.364	-1.218	-1.282
MAXIMUM Y	:	1.076	.985	.816
MINIMUM Y	:	-1.255	-1.346	-.634
CENTROID X	:	-.471	-.617	-.553
CENTROID Y	:	.272	.363	.532
POA TO CENTROID in.	:	.544	.716	.767
MIN RADIUS	:	.205	.103	.093
MEAN RADIUS	:	.897	.818	.713
MAX RADIUS	:	1.553	1.441	1.430
HORIZONTAL SPREAD	:	2.680	2.295	2.295
VERTICAL SPREAD	:	2.331	2.331	1.450
EXTREME SPREAD	:	2.718	2.635	2.599
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 2.366

VS = 2.445

GS = 2.630

CENTROID *

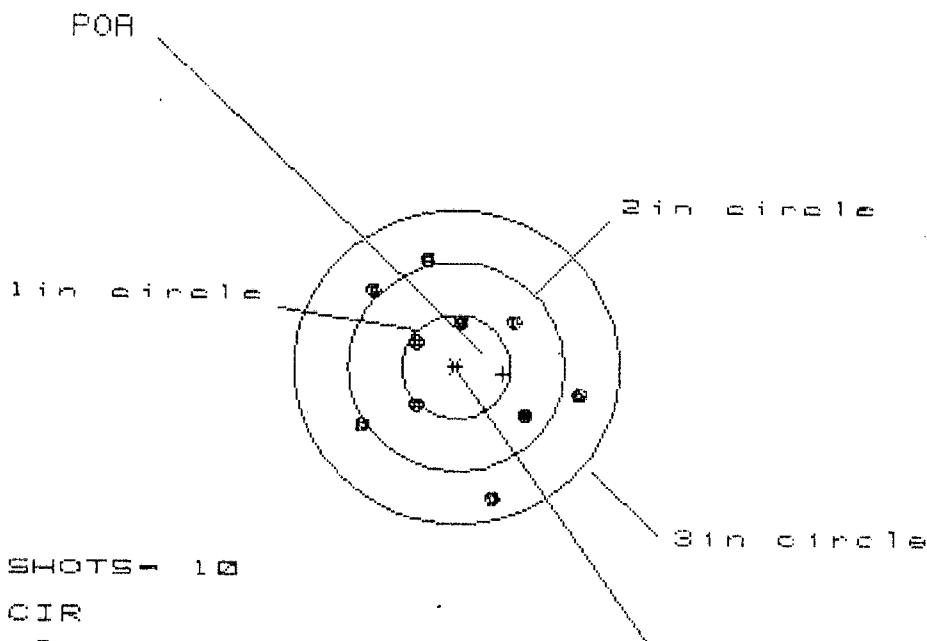
PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.217
MINIMUM X	-1.149
MAXIMUM Y	1.507
MINIMUM Y	-.938
CENTROID X	-.402
CENTROID Y	.266
POA TO CENTROID in.	.483
MIN RADIUS	.276
MEAN RADIUS	.986
MAX RADIUS	1.518
HORIZONTAL SPREAD	2.366
VERTICAL SPREAD	2.445
EXTREME SPREAD	2.630
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649090

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.959

VS= 2.343

GS= 2.414

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.125	1.158	.781
MINIMUM X	-.834	-.801	-.656
MAXIMUM Y	1.083	.943	.897
MINIMUM Y	-1.260	-.730	-.776
CENTROID X	-.432	-.465	-.610
CENTROID Y	.061	.201	.247
POA TO CENTROID in.	.436	.507	.658
MIN RADIUS	.407	.318	.174
MEAN RADIUS	.862	.792	.717
MAX RADIUS	1.295	1.215	1.034
HORIZONTAL SPREAD	1.959	1.959	1.437
VERTICAL SPREAD	2.343	1.673	1.673
EXTREME SPREAD	2.414	2.144	1.864
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		